

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034344.D
 Acq On : 06 Sep 2019 20:26
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:30:37 PM

Quant Time: Sep 07 04:46:49 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	310479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	472263	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	458482	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	297444	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	229199	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	4.86	113	210270	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
50) Toluene-d8	7.55	98	817398	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
62) 4-Bromofluorobenzene	10.29	95	305870	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	147310	45.366	ug/l	98
3) Chloromethane	1.32	50	173648	49.498	ug/l	98
4) Vinyl Chloride	1.40	62	186434	46.075	ug/l	99
5) Bromomethane	1.61	94	117131	57.691	ug/l	100
6) Chloroethane	1.69	64	119021	50.620	ug/l	98
7) Trichlorofluoromethane	1.87	101	257566	47.474	ug/l	98
8) Diethyl Ether	2.09	74	118899	49.822	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.27	101	171122	47.621	ug/l	99
10) Methyl Iodide	2.40	142	169165	51.343	ug/l	99
11) Tert butyl alcohol	2.81	59	268617	270.663	ug/l	99
12) 1,1-Dichloroethene	2.27	96	164598	48.726	ug/l	99
13) Acrolein	2.18	56	129385	155.113	ug/l	98
14) Allyl chloride	2.58	41	309032m	47.852	ug/l	
15) Acrylonitrile	2.92	53	637071	257.777	ug/l	98
16) Acetone	2.31	43	501446	206.271	ug/l	98
17) Carbon Disulfide	2.46	76	335104	44.138	ug/l	100
18) Methyl Acetate	2.60	43	280427	47.407	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	649092	52.717	ug/l	100
20) Methylene Chloride	2.69	84	209250	52.572	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	174718	49.081	ug/l	97
22) Diisopropyl ether	3.55	45	654902	52.000	ug/l	99
23) Vinyl Acetate	3.50	43	2728860	266.001	ug/l	99
24) 1,1-Dichloroethane	3.43	63	362853	48.244	ug/l	99
25) 2-Butanone	4.24	43	828553	255.327	ug/l	98
26) 2,2-Dichloropropane	4.20	77	274006	45.297	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	225317	52.115	ug/l	97
28) Bromochloromethane	4.52	49	169019	48.857	ug/l	97
29) Tetrahydrofuran	4.61	42	525296	266.020	ug/l	99
30) Chloroform	4.65	83	364894	47.729	ug/l	100
31) Cyclohexane	4.97	56	266517	48.436	ug/l	99
32) 1,1,1-Trichloroethane	4.89	97	300930	49.233	ug/l	98
36) 1,1-Dichloropropene	5.12	75	243251	47.494	ug/l	99
37) Ethyl Acetate	4.36	43	304307	50.252	ug/l	99
38) Carbon Tetrachloride	5.11	117	256141	46.838	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	266009	48.585	ug/l	97
40) Benzene	5.37	78	782768	47.364	ug/l	100
41) Methacrylonitrile	4.52	41	165072	51.176	ug/l	98
42) 1,2-Dichloroethane	5.38	62	265550	46.280	ug/l	99
43) Isopropyl Acetate	5.53	43	477540	50.551	ug/l	99
44) Trichloroethene	6.16	130	226045	49.428	ug/l	99
45) 1,2-Dichloropropane	6.41	63	231614	47.939	ug/l	99
46) Dibromomethane	6.54	93	143987	47.478	ug/l	98
47) Bromodichloromethane	6.74	83	295999	47.416	ug/l	99
48) Methyl methacrylate	6.60	41	225443	50.247	ug/l	99
49) 1,4-Dioxane	6.59	88	106441	1086.416	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1625316	248.560	ug/l	99
52) Toluene	7.62	92	510908	49.281	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	318722	49.252	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	352092	49.574	ug/l	100
55) 1,1,2-Trichloroethane	8.04	97	224216	47.630	ug/l	99
56) Ethyl methacrylate	8.00	69	345516	48.414	ug/l	99
57) 1,3-Dichloropropane	8.22	76	371331	48.442	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	591810	244.941	ug/l	100
59) 2-Hexanone	8.34	43	1226697	251.119	ug/l	98
60) Dibromochloromethane	8.46	129	250296	49.571	ug/l	99
61) 1,2-Dibromoethane	8.57	107	226142	49.081	ug/l	100
64) Tetrachloroethene	8.21	164	196709	49.454	ug/l	97
65) Chlorobenzene	9.10	112	593756	51.046	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	220598	49.694	ug/l	100
67) Ethyl Benzene	9.23	91	1000026	52.581	ug/l	99
68) m/p-Xylenes	9.35	106	767760	107.203	ug/l	99
69) o-Xylene	9.76	106	379809	54.228	ug/l	99
70) Styrene	9.77	104	677038	55.135	ug/l	99
71) Bromoform	9.94	173	198438	51.579	ug/l #	99
73) Isopropylbenzene	10.14	105	1036613	53.552	ug/l	100
74) N-amyl acetate	9.99	43	441270	56.633	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	388581	49.594	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	320826m	49.414	ug/l	
77) Bromobenzene	10.43	156	279804	51.696	ug/l	97
78) n-propylbenzene	10.57	91	1184339	52.978	ug/l	99
79) 2-Chlorotoluene	10.64	91	710758	52.107	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	880605	54.395	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	94297m	48.842	ug/l	
82) 4-Chlorotoluene	10.75	91	822347	52.388	ug/l	99
83) tert-Butylbenzene	11.08	119	878363	54.236	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	892261	54.753	ug/l	99
85) sec-Butylbenzene	11.30	105	1041957	54.497	ug/l	100
86) p-Isopropyltoluene	11.45	119	967676	54.835	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	511390	51.778	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	515770	50.067	ug/l	99
89) n-Butylbenzene	11.87	91	850956	55.489	ug/l	100
90) Hexachloroethane	12.12	117	142426	50.446	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	500261	51.539	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	79024	54.886	ug/l	96

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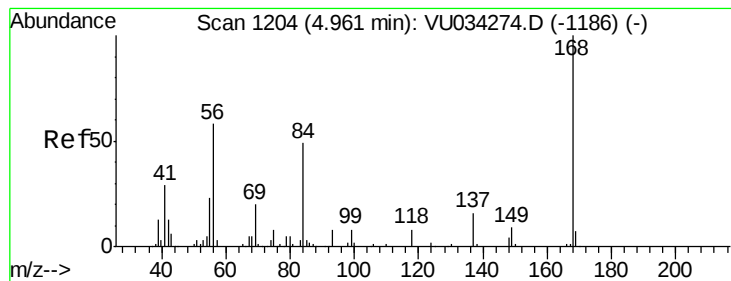
Manual Integrations
APPROVED

MMDadoda
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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	368926	52.240	ug/l	100
94) Hexachlorobutadiene	13.67	225	163424	48.132	ug/l	99
95) Naphthalene	13.72	128	1125831	56.252	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	363761	53.313	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: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 310479

Ion Ratio Lower Upper

168 100

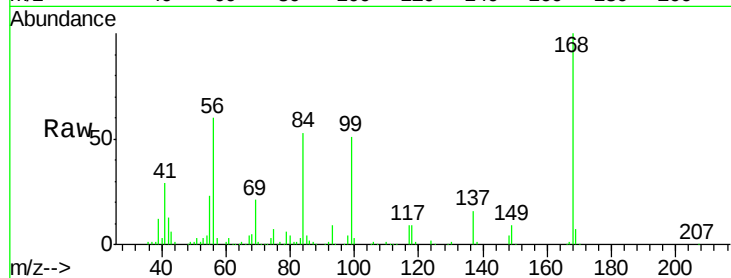
99 50.7 41.6 62.4

Manual Integrations

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9/10/2019 1:30:37 PM



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

150000

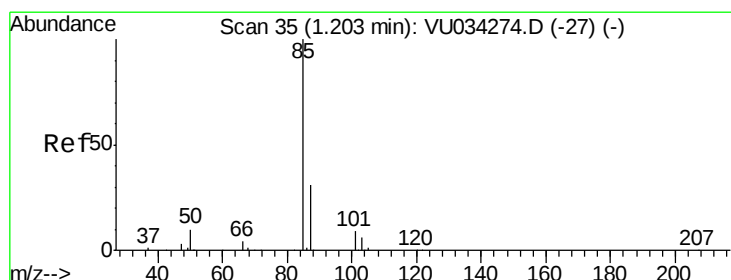
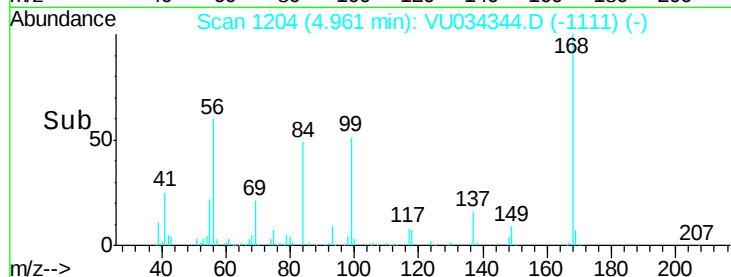
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50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 45.366 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034344.D

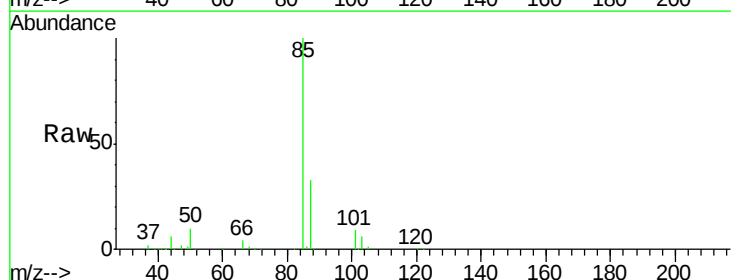
Acq: 06 Sep 2019 20:26

Tgt Ion: 85 Resp: 147310

Ion Ratio Lower Upper

85 100

87 32.6 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

150000

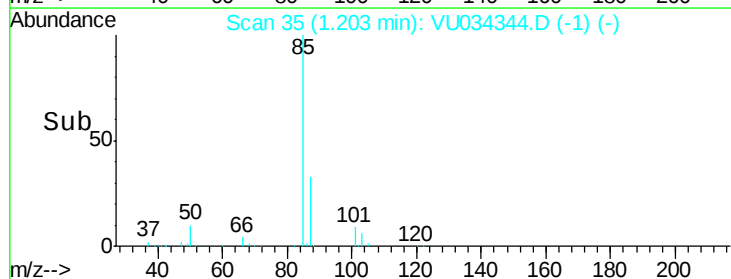
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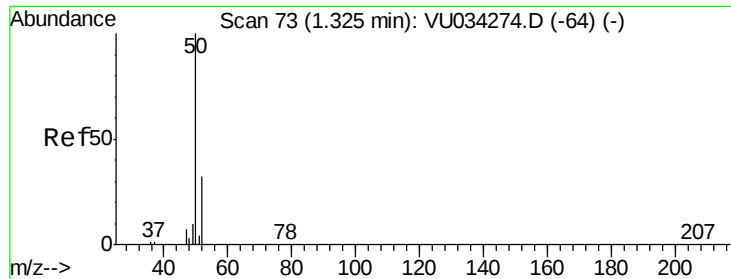
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 49.498 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 173648

Ion Ratio Lower Upper

50 100

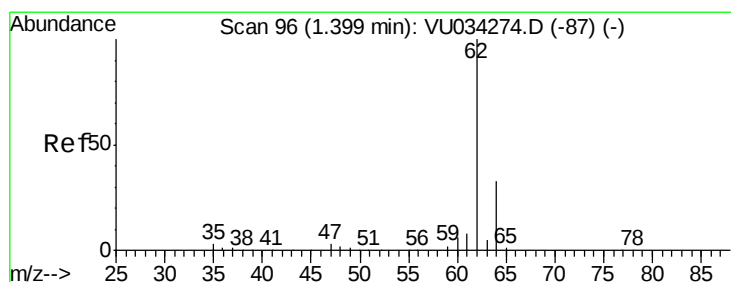
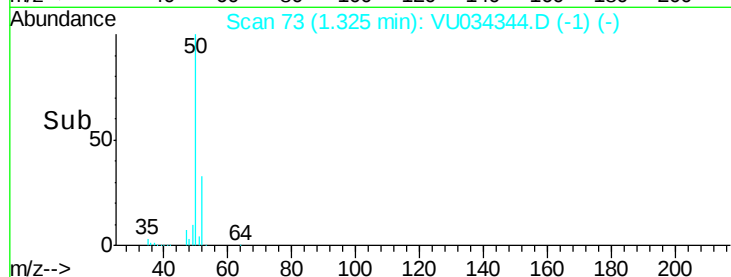
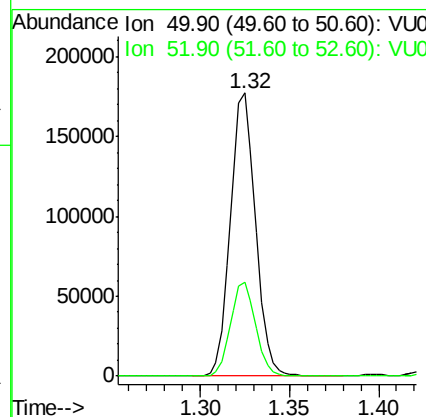
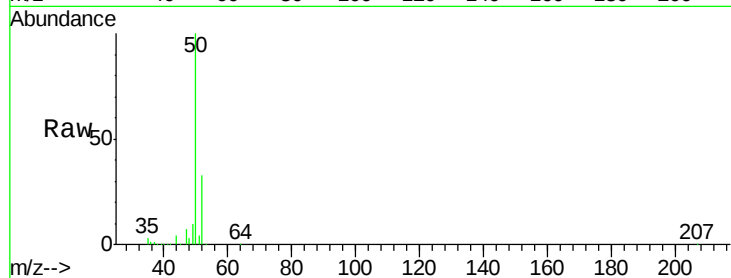
52 33.2 25.8 38.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 46.075 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034344.D

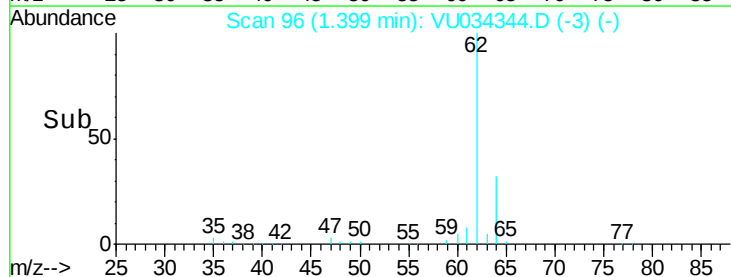
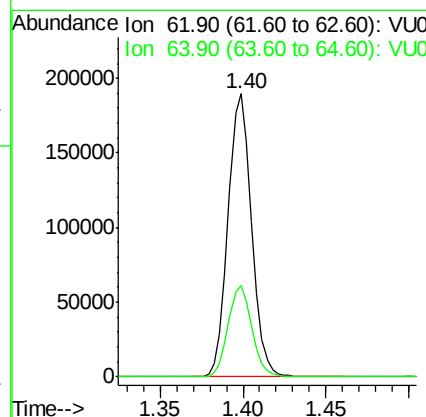
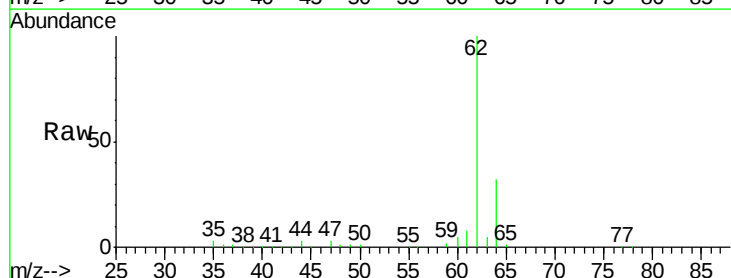
Acq: 06 Sep 2019 20:26

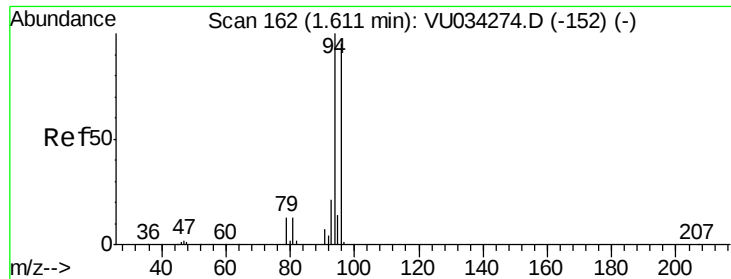
Tgt Ion: 62 Resp: 186434

Ion Ratio Lower Upper

62 100

64 32.2 26.2 39.4





#5

Bromomethane

Concen: 57.691 ug/l

RT: 1.61 min Scan# 162

Delta R.T. 0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 117131

Ion Ratio Lower Upper

94 100

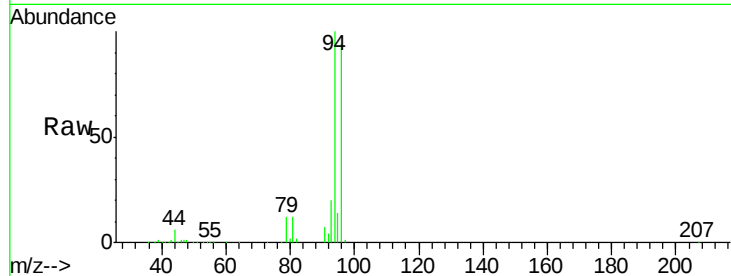
96 94.2 75.7 113.5

Manual Integrations

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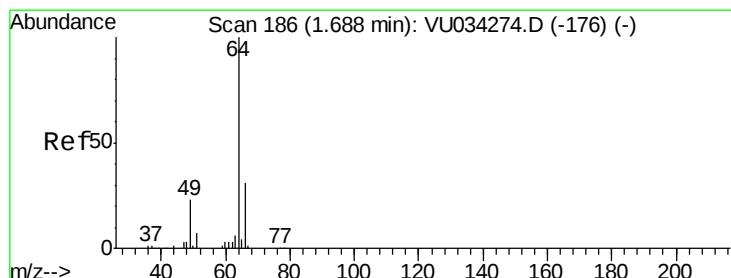
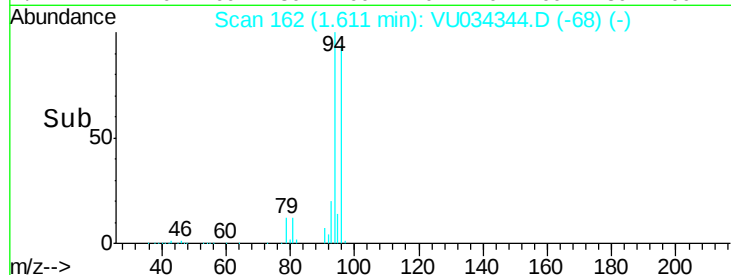
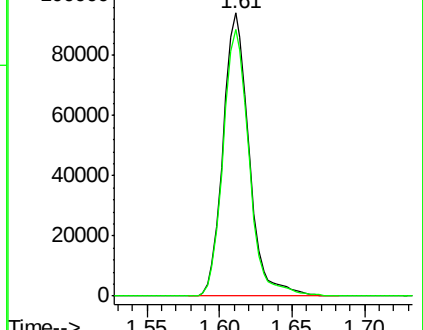
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Abundance Ion 93.90 (93.60 to 94.60): VU034344.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034344.D (-68) (-)



#6

Chloroethane

Concen: 50.620 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034344.D

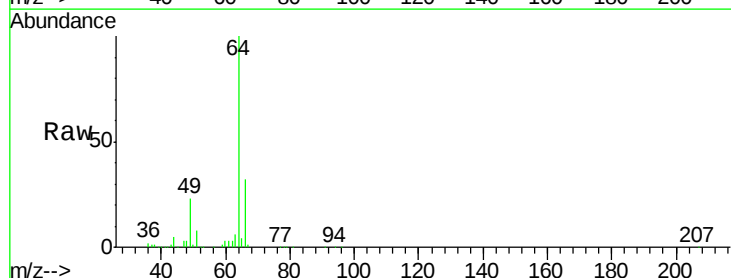
Acq: 06 Sep 2019 20:26

Tgt Ion: 64 Resp: 119021

Ion Ratio Lower Upper

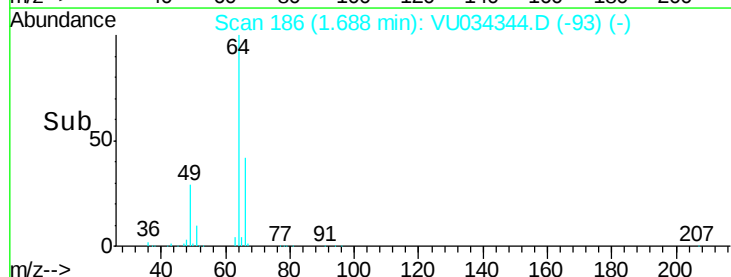
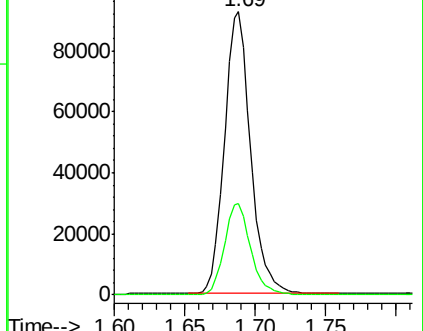
64 100

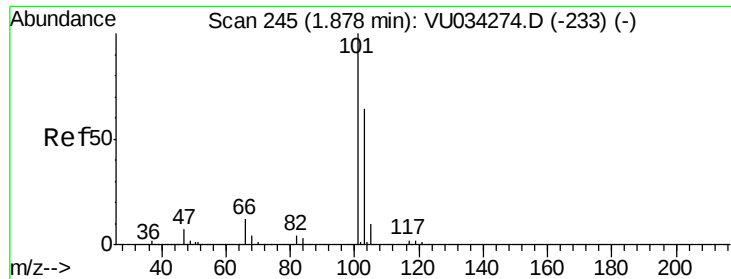
66 32.3 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034344.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034344.D (-93) (-)





#7

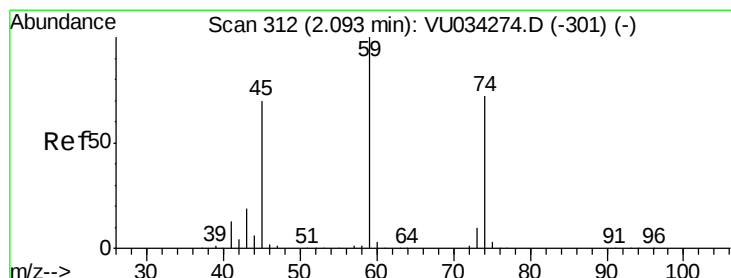
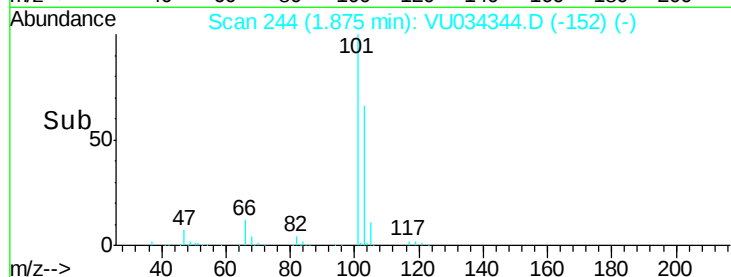
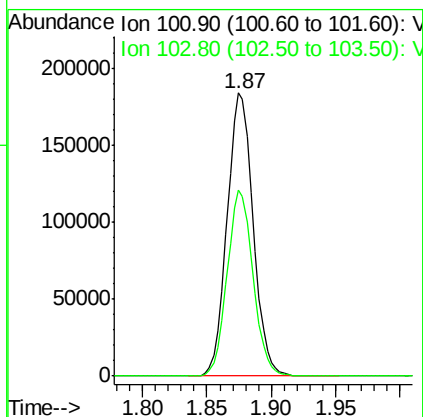
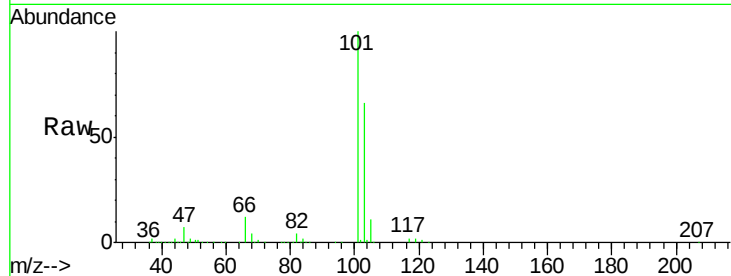
Trichlorofluoromethane
 Concen: 47.474 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.0	76.6

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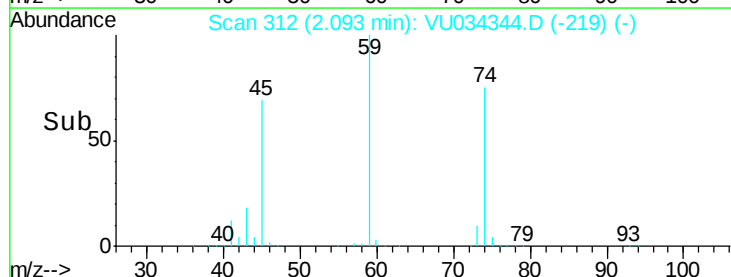
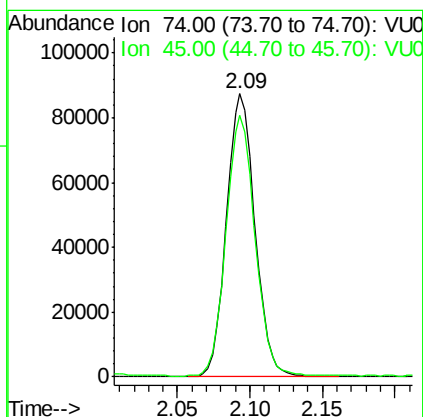
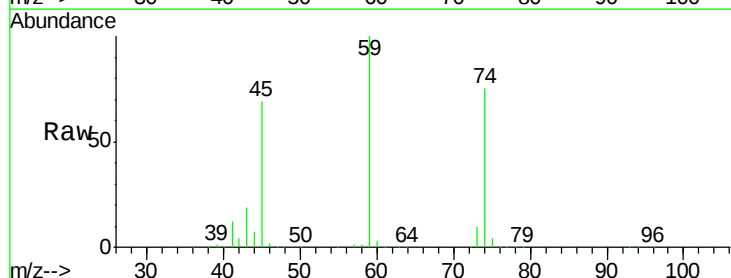
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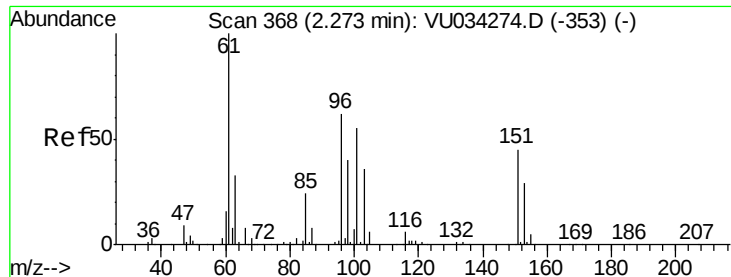


#8

Diethyl Ether
 Concen: 49.822 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.6	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.621 ug/l

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

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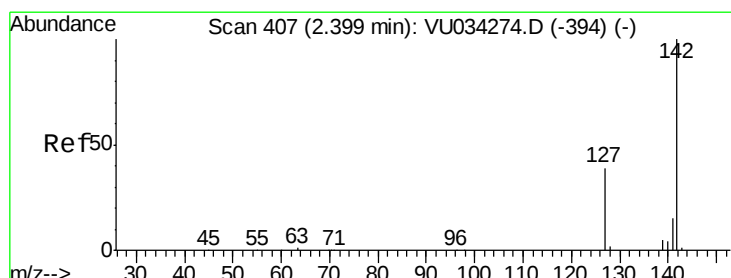
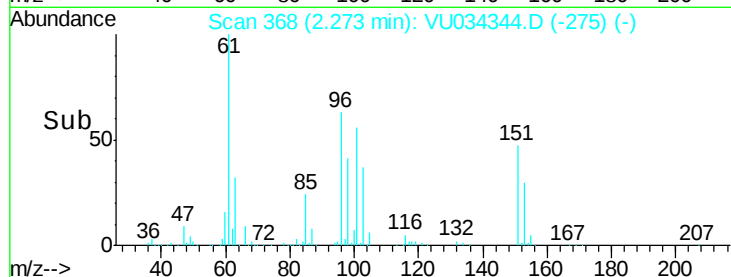
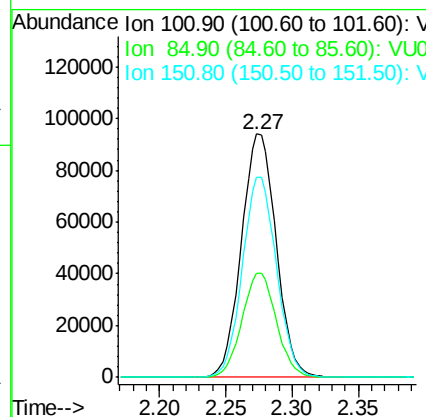
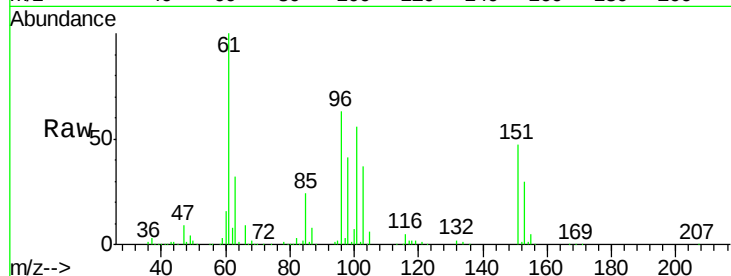
ClientSampleId :

VSTDCCC050EC

Tot Ion	101	Resp	171122
Ion	Ratio	Lower	Upper
101	100		
85	42.3	34.4	51.6
151	80.8	64.4	96.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:37 PM



#10

Methyl Iodide

Concen: 51.343 ug/l

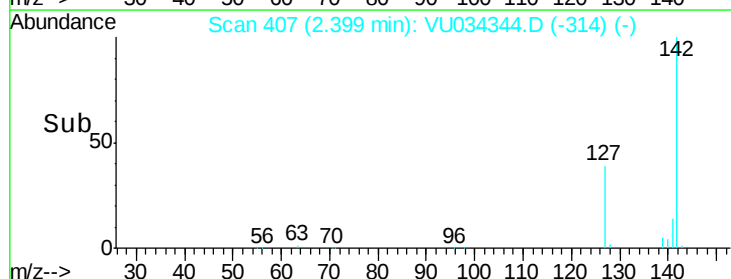
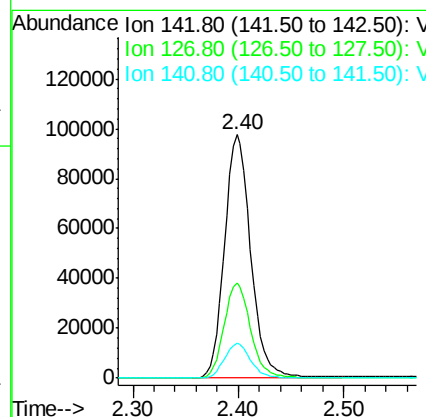
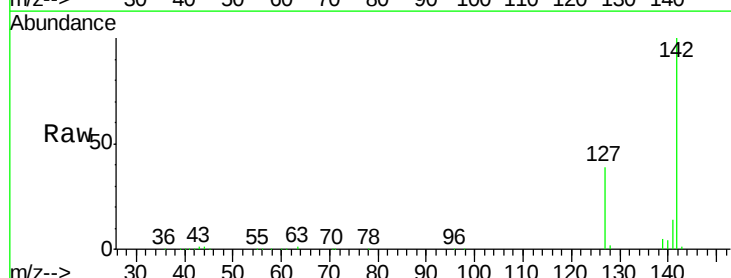
RT: 2.40 min Scan# 407

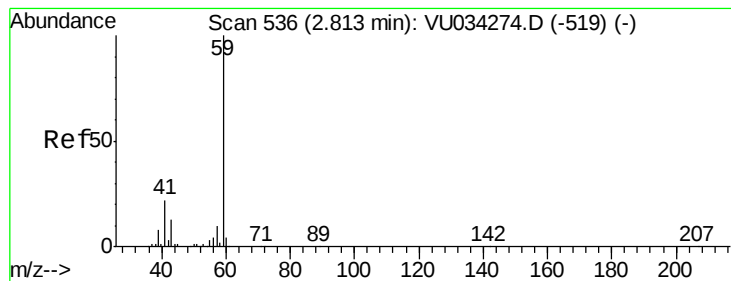
Delta R.T. 0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion	142	Resp	169165
Ion	Ratio	Lower	Upper
142	100		
127	39.2	32.1	48.1
141	14.2	11.5	17.3





#11

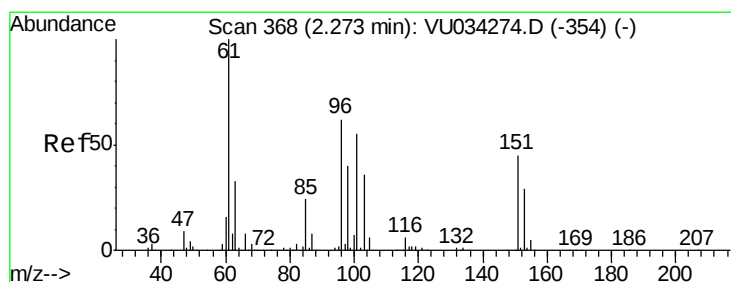
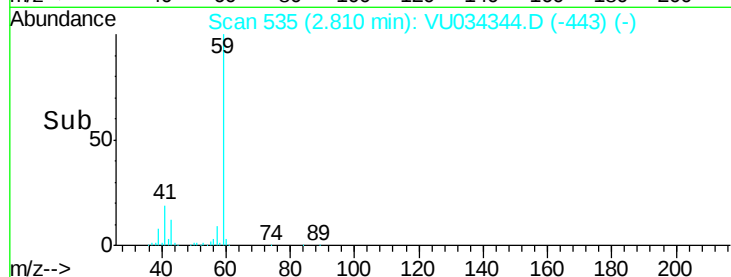
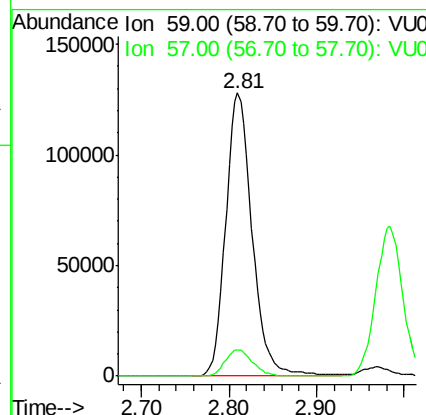
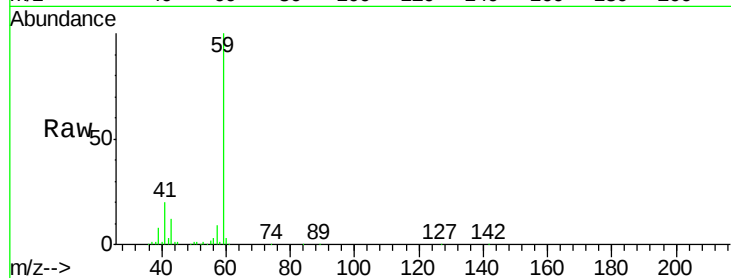
Tert butyl alcohol
 Concen: 270.663 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
59	100	268617		
57	9.7		7.9	11.9

Manual Integrations
 APPROVED

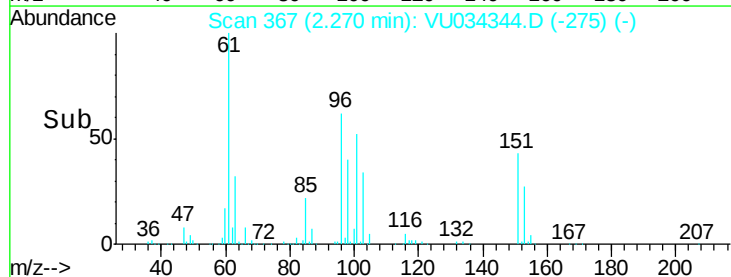
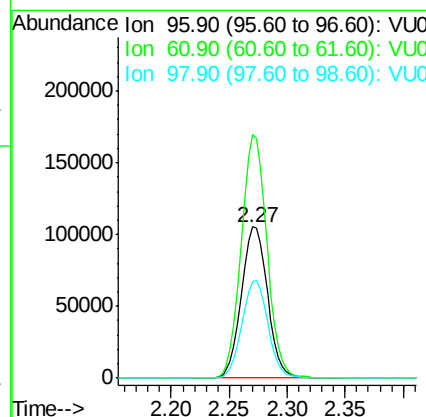
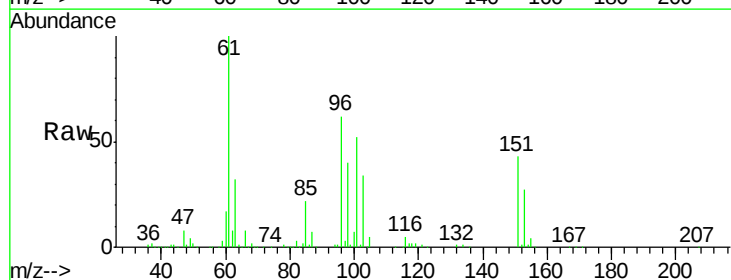
MMDadoda
 9/10/2019 1:30:37 PM

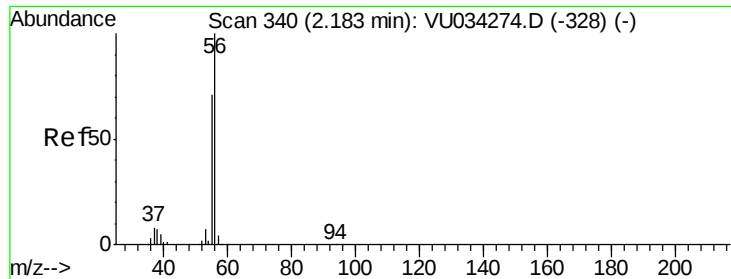


#12

1,1-Dichloroethene
 Concen: 48.726 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	164598		
61	161.3		130.0	195.0
98	63.8		52.2	78.4





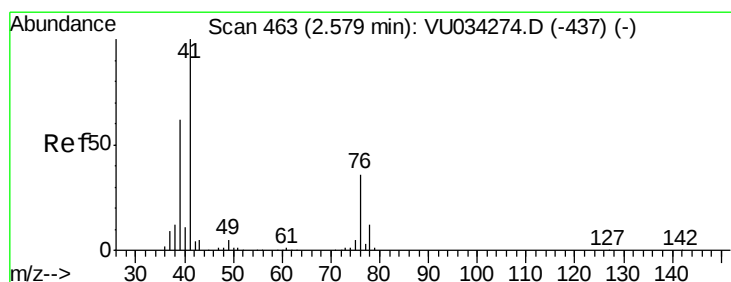
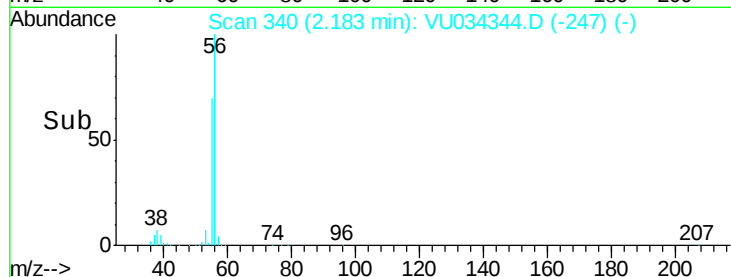
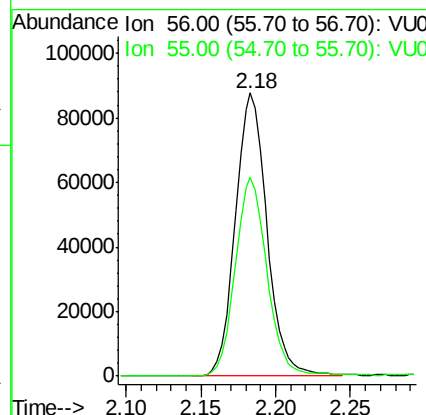
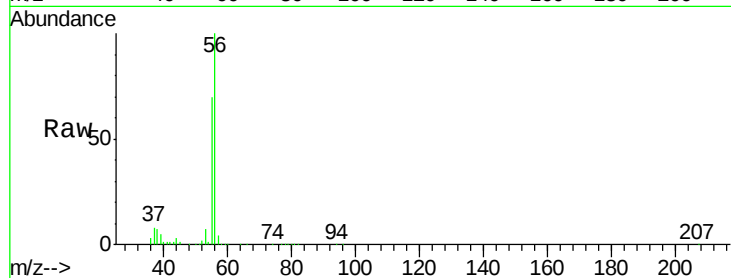
#13
Acrolein
Concen: 155.113 ug/l
RT: 2.18 min Scan# 340
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.4	57.4	86.2

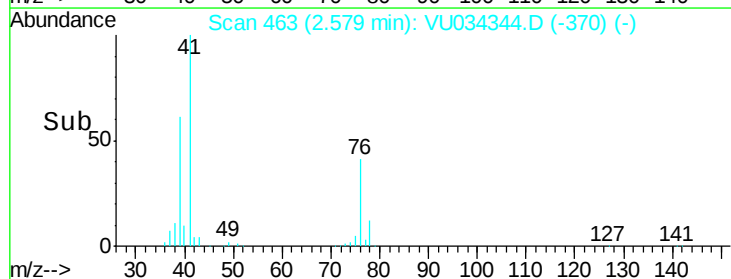
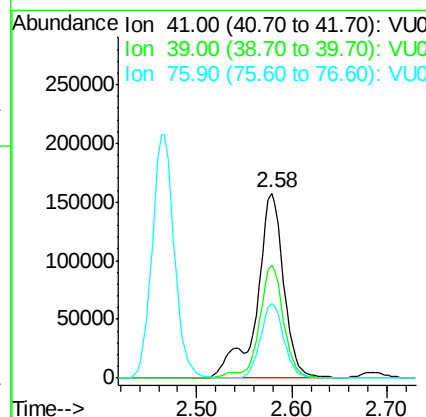
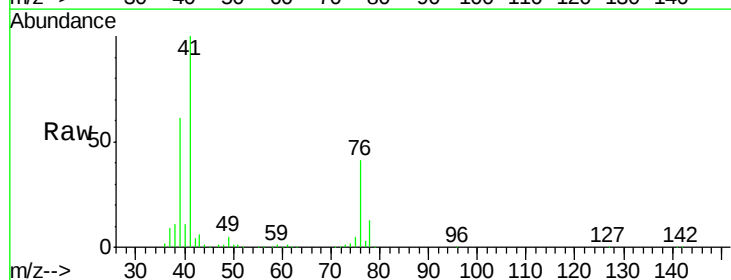
Manual Integrations
APPROVED

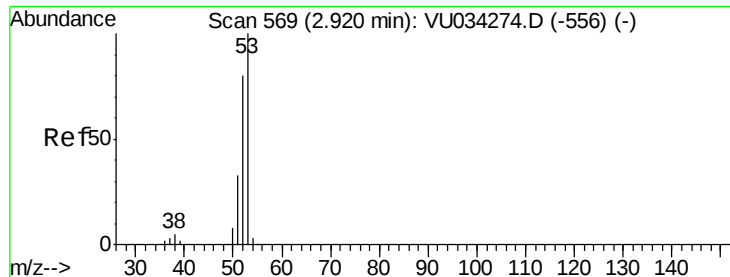
MMDadoda
9/10/2019 1:30:37 PM



#14
Allyl chloride
Concen: 47.852 ug/l m
RT: 2.58 min Scan# 463
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.6	43.5	65.3
76	34.4	27.0	40.6





#15

Acrylonitrile

Concen: 257.777 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

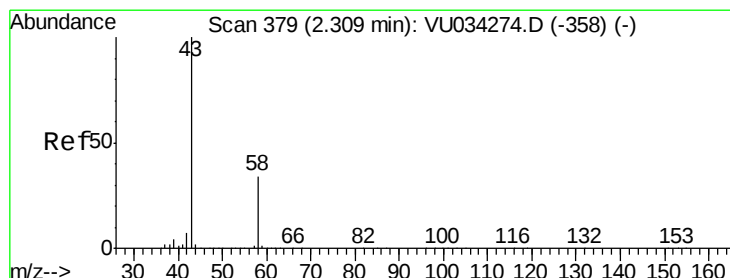
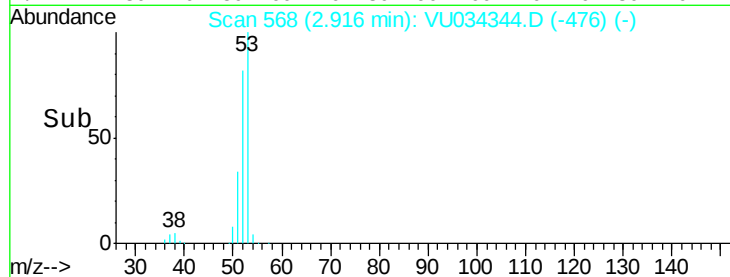
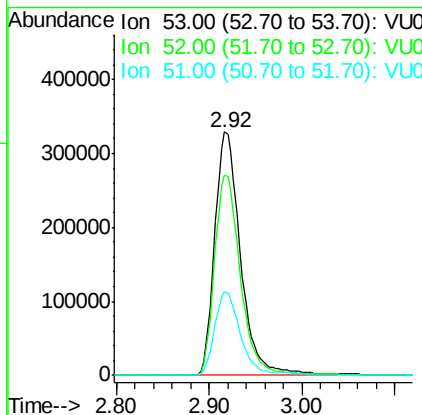
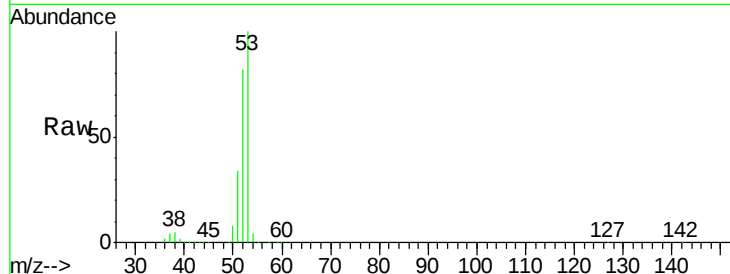
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	637071
Ion	Ratio	Lower	Upper
53	100		
52	82.6	64.1	96.1
51	35.1	27.4	41.0

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:30:37 PM



#16

Acetone

Concen: 206.271 ug/l

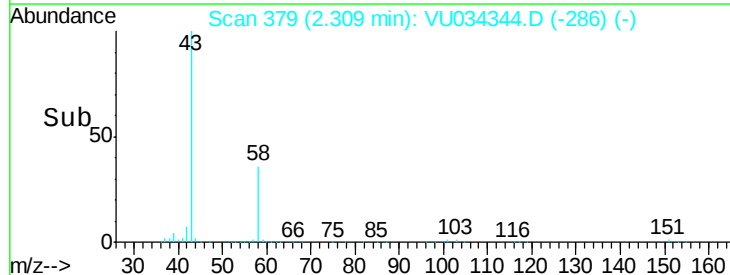
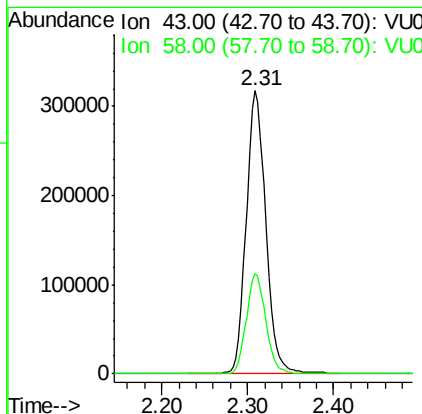
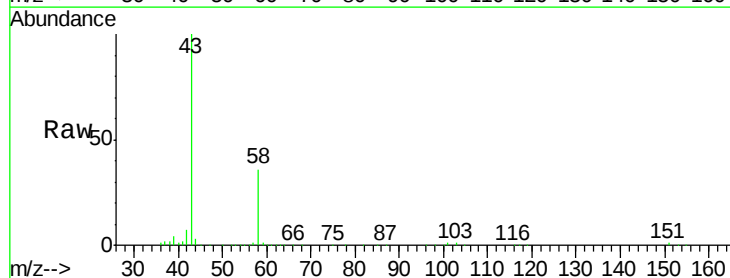
RT: 2.31 min Scan# 379

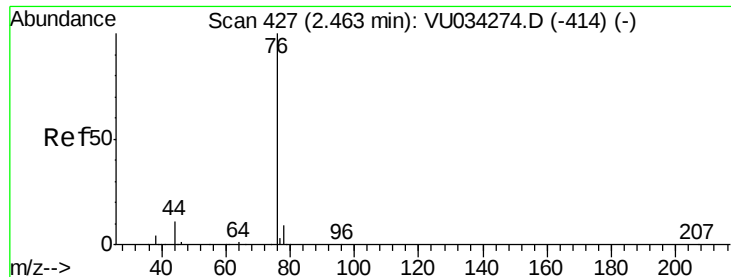
Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion:	43	Resp:	501446
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.6	41.4





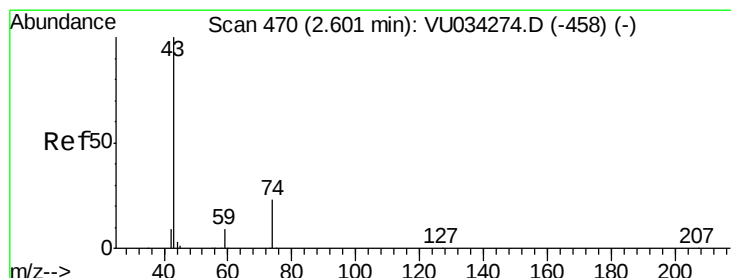
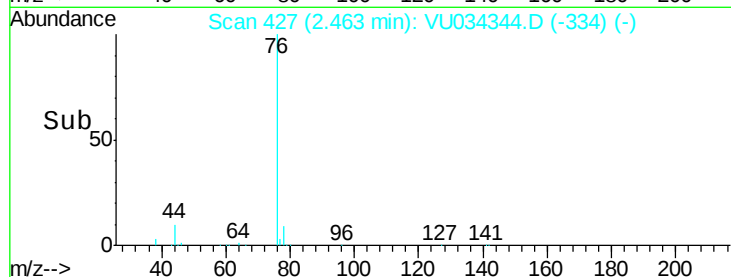
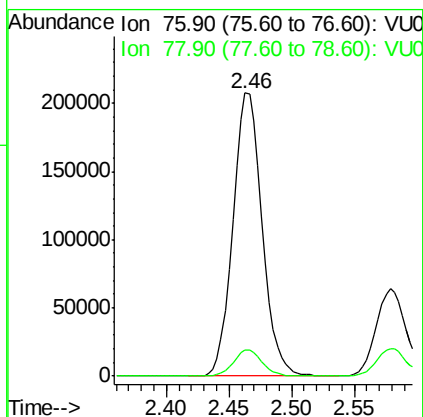
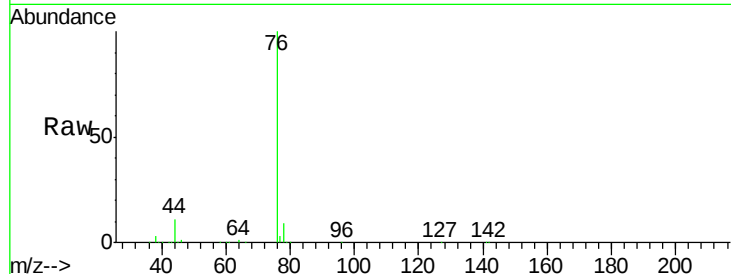
#17
Carbon Disulfide
Concen: 44.138 ug/l
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

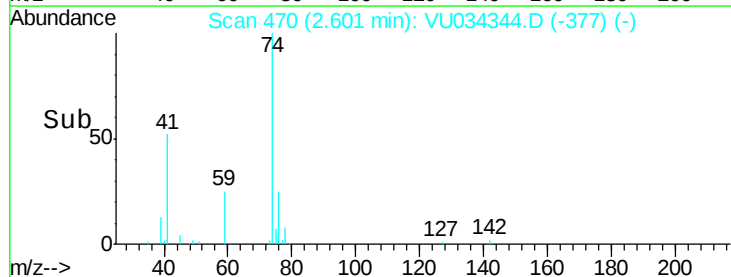
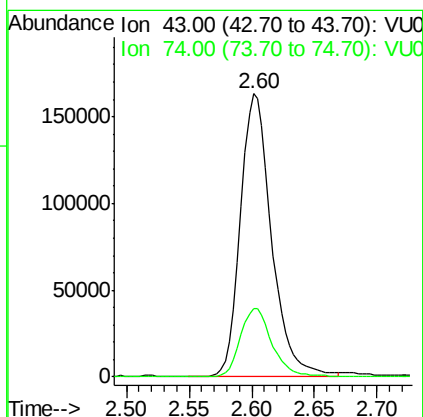
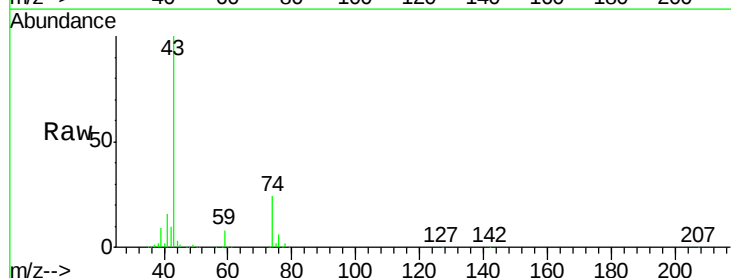
Manual Integrations
APPROVED

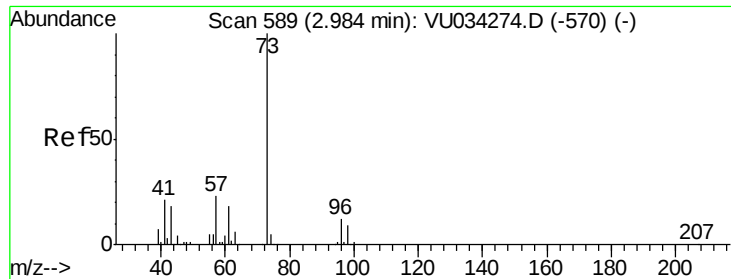
MMDadoda
9/10/2019 1:30:37 PM



#18
Methyl Acetate
Concen: 47.407 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	18.9	28.3





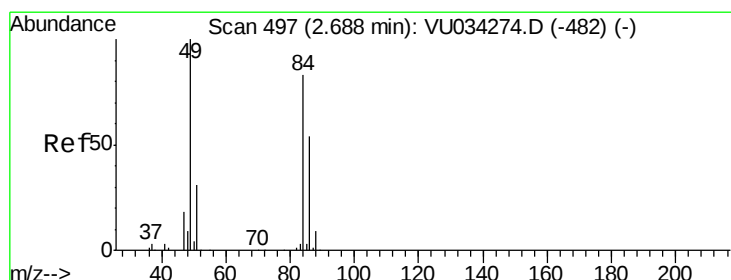
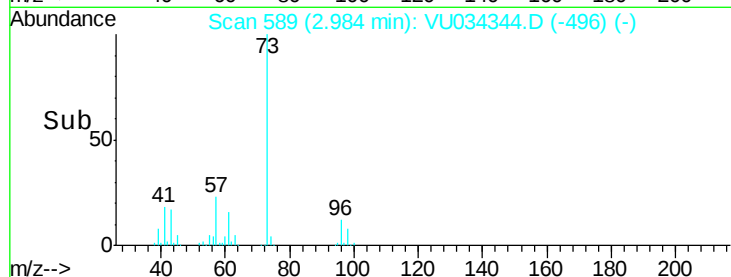
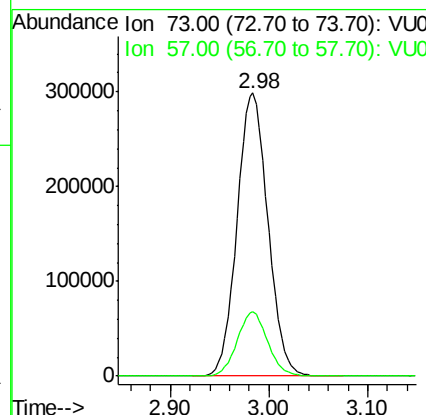
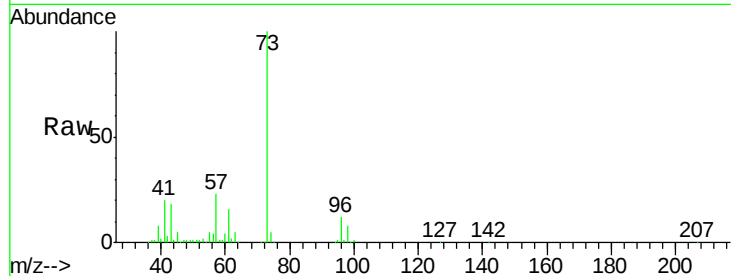
#19
Methvl tert-butvl Ether
Concen: 52.717 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 649092
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4

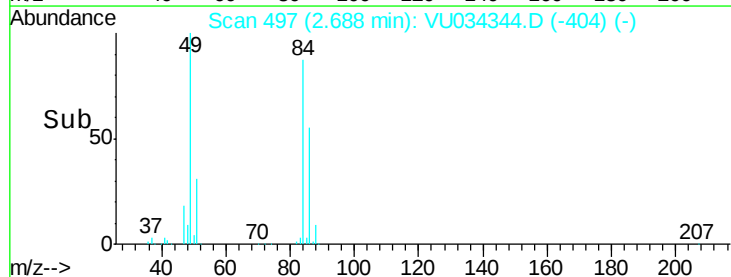
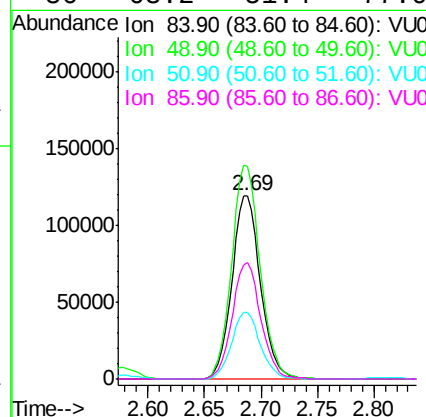
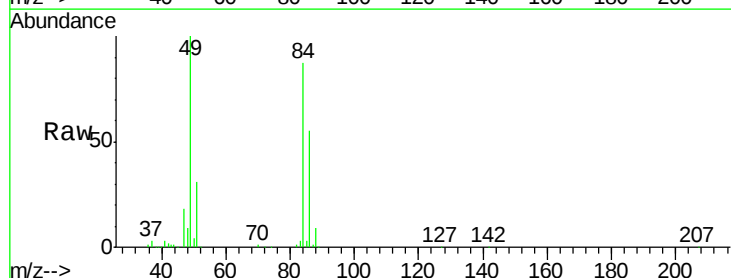
Manual Integrations
APPROVED

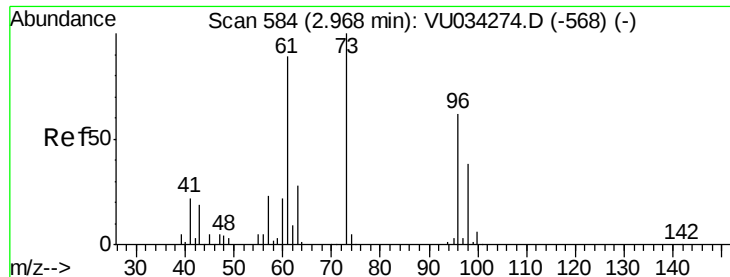
MMDadoda
9/10/2019 1:30:37 PM



#20
Methylene Chloride
Concen: 52.572 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion: 84 Resp: 209250
Ion Ratio Lower Upper
84 100
49 115.5 96.0 144.0
51 36.3 30.0 45.0
86 63.2 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 49.081 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 174718

Ion Ratio Lower Upper

96 100

61 139.4 114.8 172.2

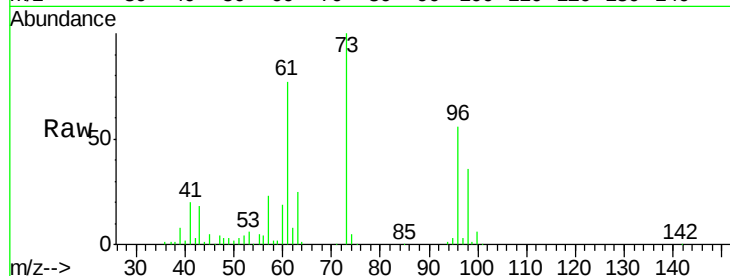
98 64.1 49.8 74.8

Manual Integrations

APPROVED

MMDadoda

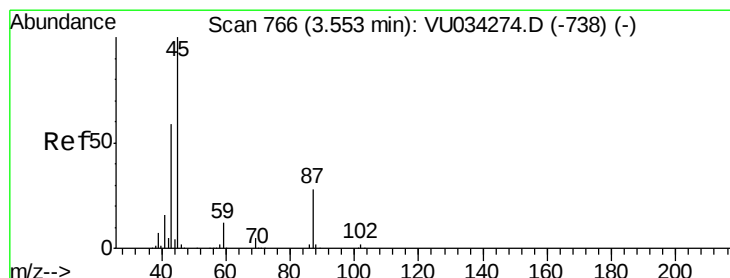
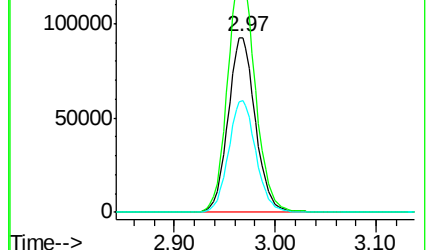
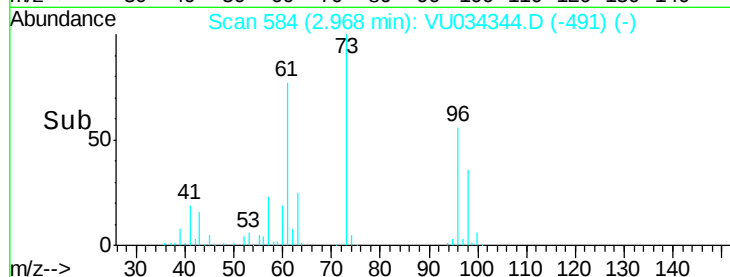
9/10/2019 1:30:37 PM



Abundance Ion 95.90 (95.60 to 96.60): VU034344.D (-491) (-)

Ion 60.90 (60.60 to 61.60): VU034344.D (-491) (-)

Ion 97.90 (97.60 to 98.60): VU034344.D (-491) (-)



#22

Diisopropyl ether

Concen: 52.000 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion: 45 Resp: 654902

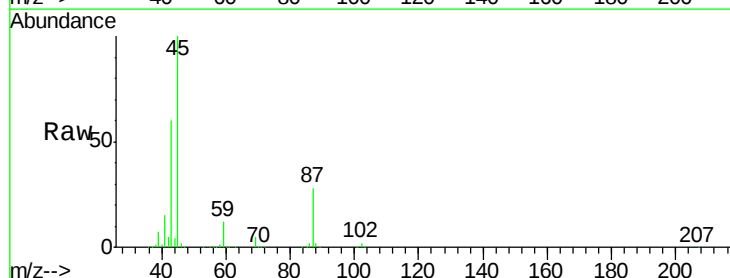
Ion Ratio Lower Upper

45 100

43 59.8 47.5 71.3

87 28.4 22.2 33.4

59 11.9 9.4 14.2

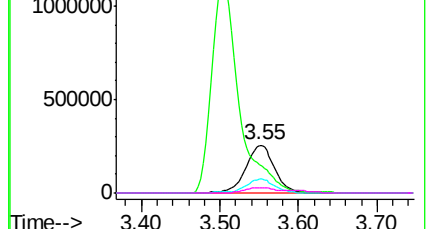
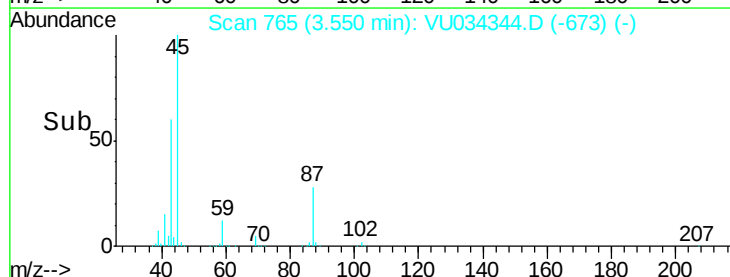


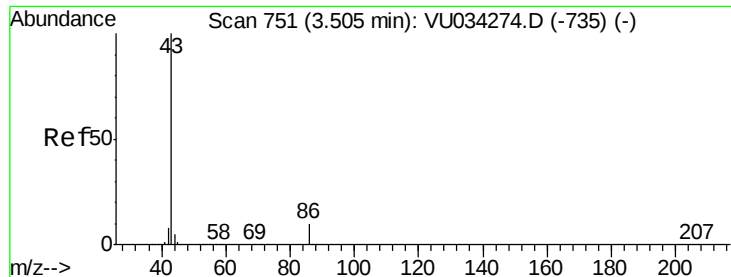
Abundance Ion 45.00 (44.70 to 45.70): VU034344.D (-673) (-)

Ion 43.00 (42.70 to 43.70): VU034344.D (-673) (-)

Ion 87.00 (86.70 to 87.70): VU034344.D (-673) (-)

Ion 59.00 (58.70 to 59.70): VU034344.D (-673) (-)





#23

Vinyl Acetate

Concen: 266.001 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2728860

Ion Ratio Lower Upper

43 100

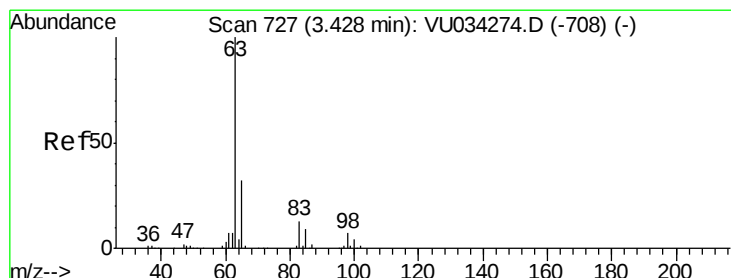
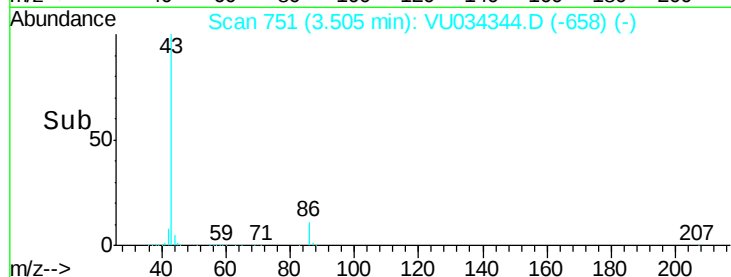
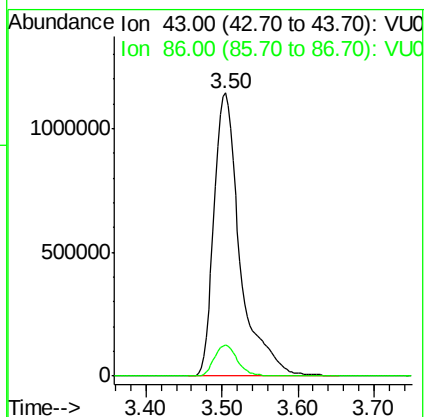
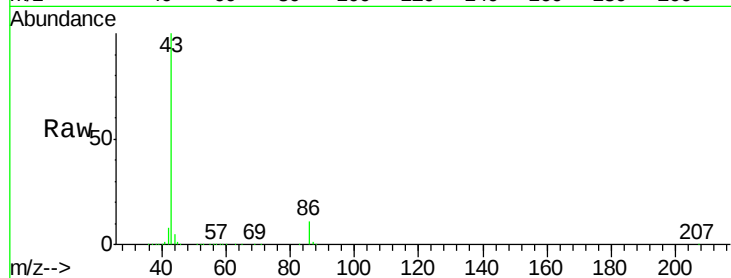
86 11.0 8.3 12.5

Manual Integrations

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MMDadoda

9/10/2019 1:30:37 PM



#24

1,1-Dichloroethane

Concen: 48.244 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

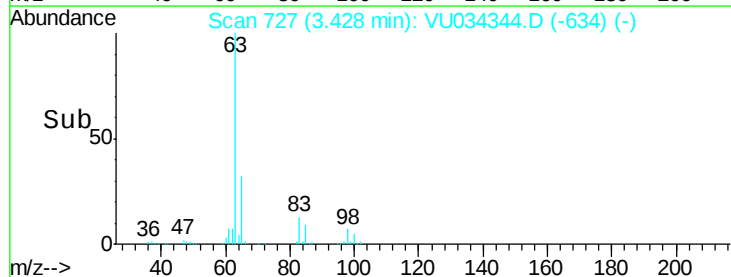
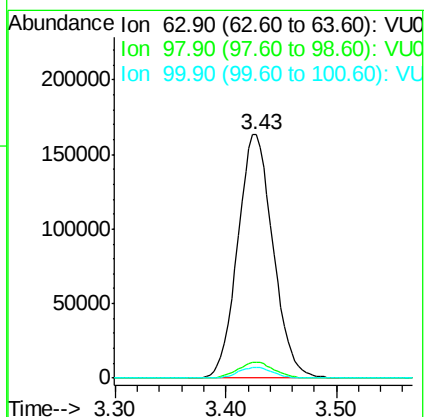
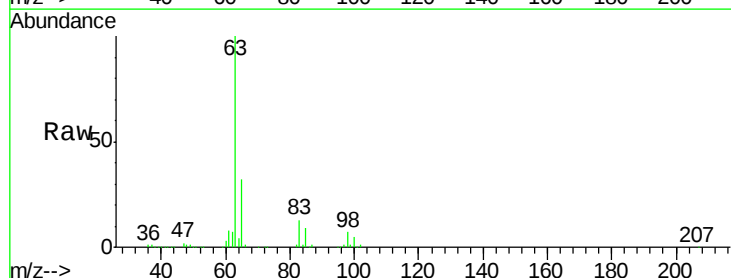
Tgt Ion: 63 Resp: 362853

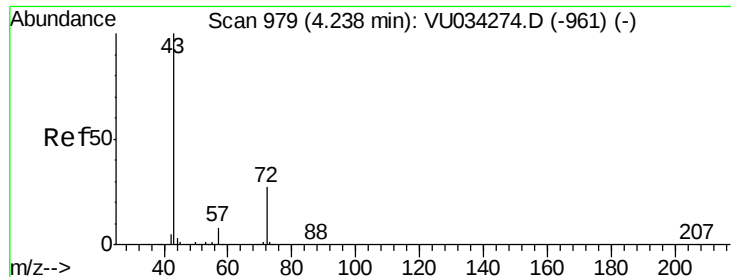
Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.5





#25

2-Butanone

Concen: 255.327 ug/l

RT: 4.24 min Scan# 979

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tot Ion: 43 Resp: 828553

Ion Ratio Lower Upper

43 100

72 28.3 21.8 32.6

Instrument :

MSVOA_U

ClientSampleId :

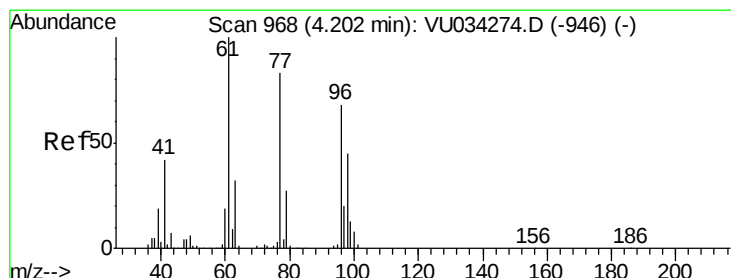
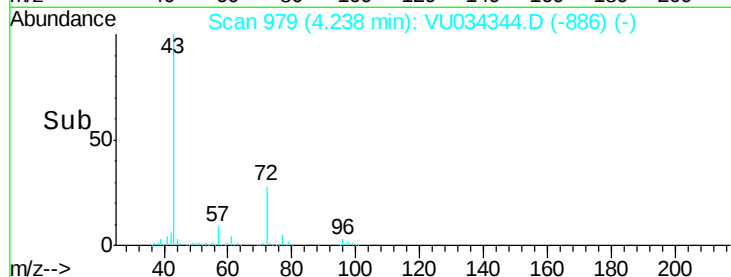
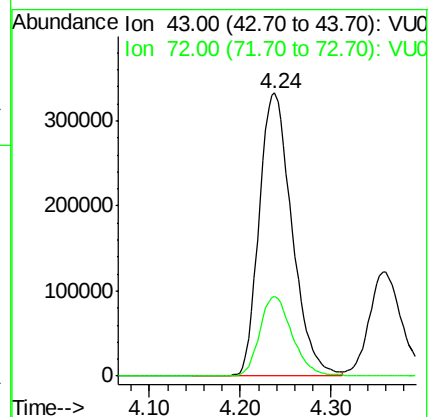
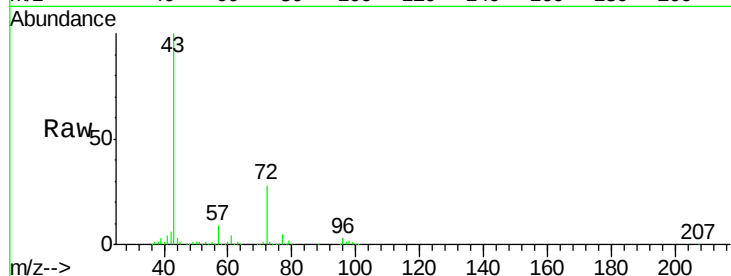
VSTDCCC050EC

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#26

2,2-Dichloropropane

Concen: 45.297 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034344.D

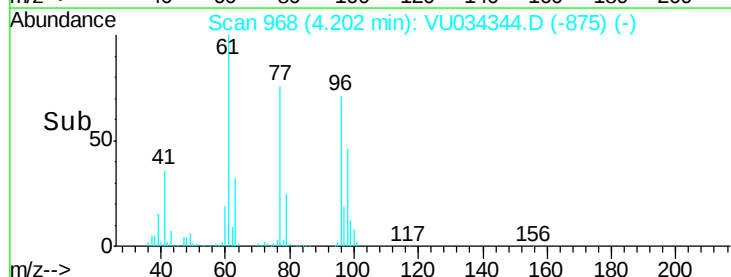
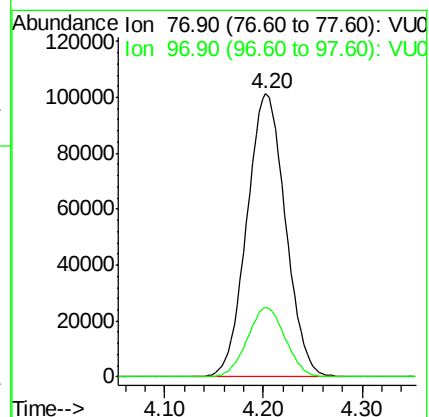
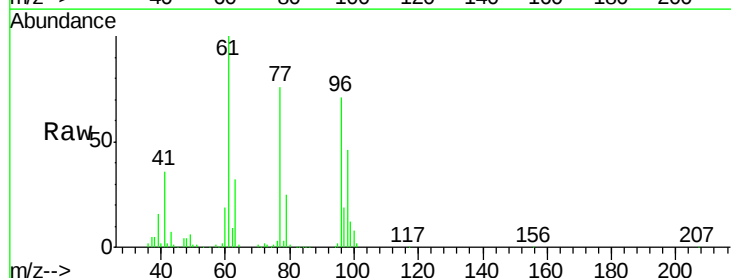
Acq: 06 Sep 2019 20:26

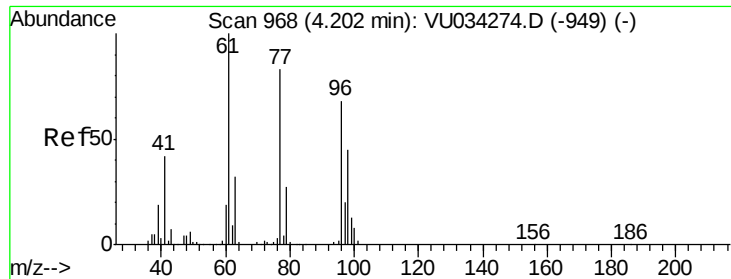
Tgt Ion: 77 Resp: 274006

Ion Ratio Lower Upper

77 100

97 24.2 11.8 35.3





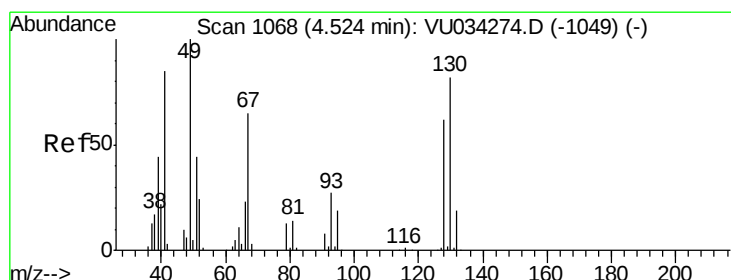
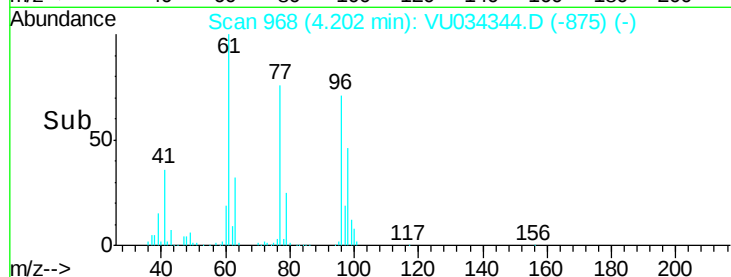
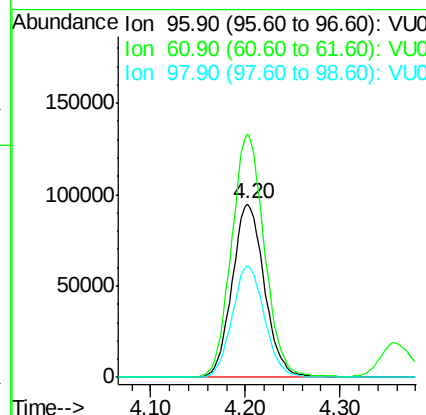
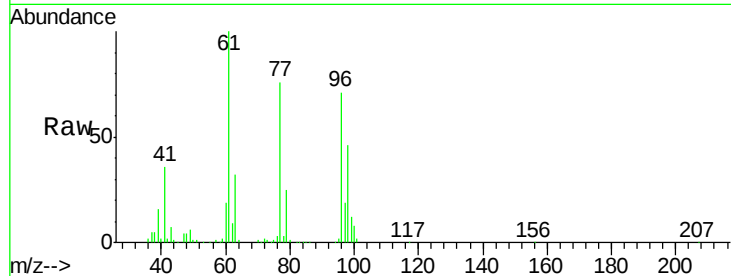
#27
 cis-1,2-Dichloroethene
 Concen: 52.115 ug/l
 RT: 4.20 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	142.8	0.0	297.4	
98	64.5	0.0	130.0	

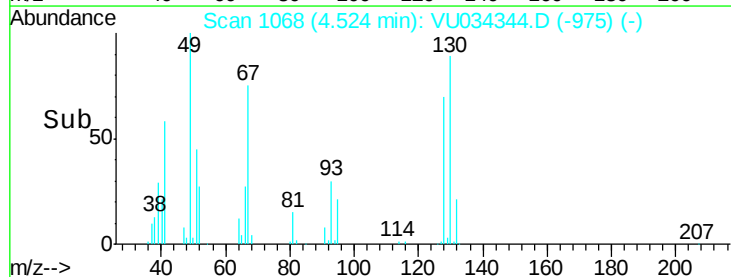
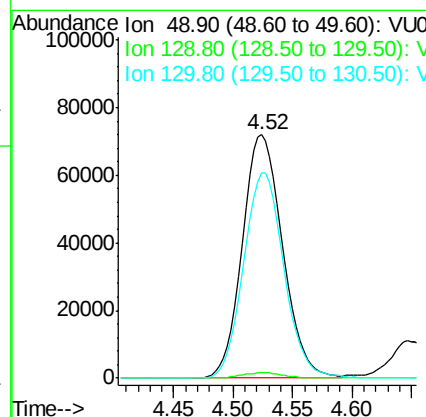
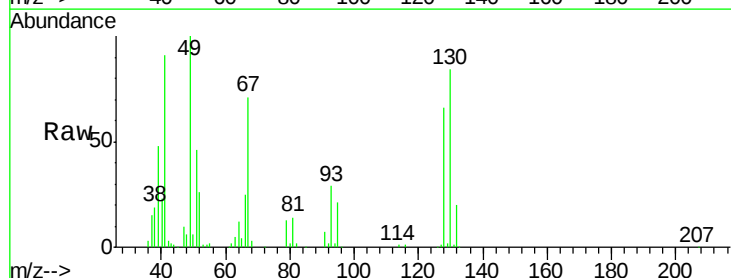
Manual Integrations
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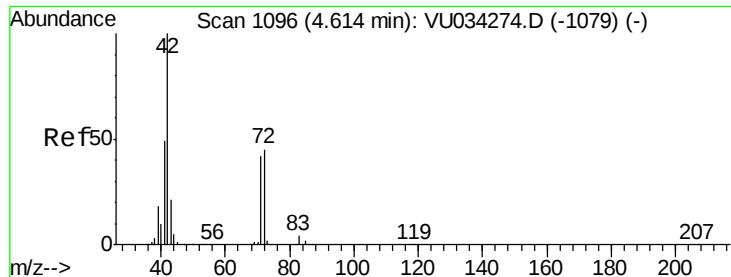
MMDadoda
 9/10/2019 1:30:37 PM



#28
 Bromochloromethane
 Concen: 48.857 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.3	0.0	3.8	
130	84.6	65.2	97.8	





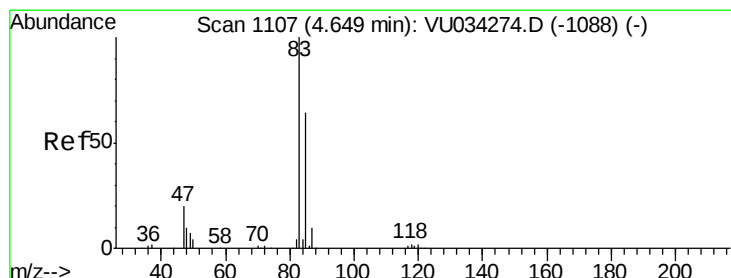
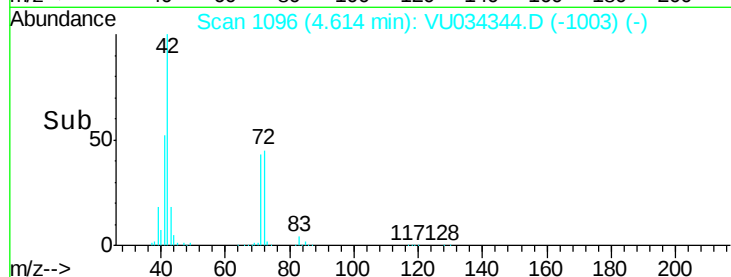
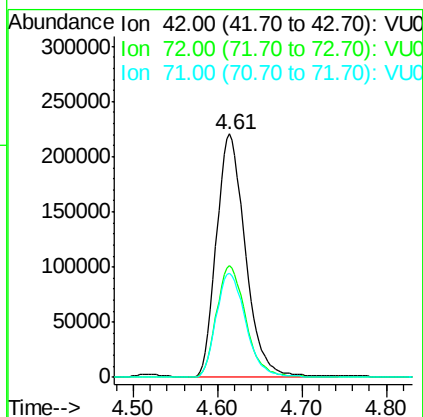
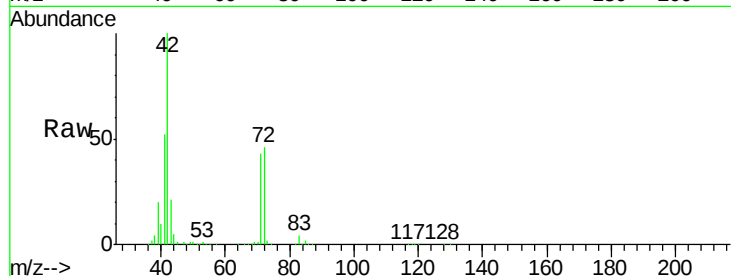
#29
Tetrahydrofuran
Concen: 266.020 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	36.6	54.8
71	43.8	34.3	51.5

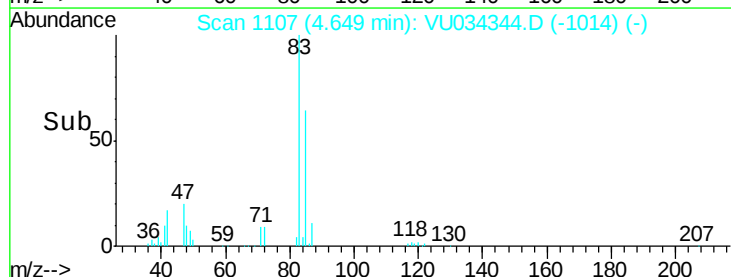
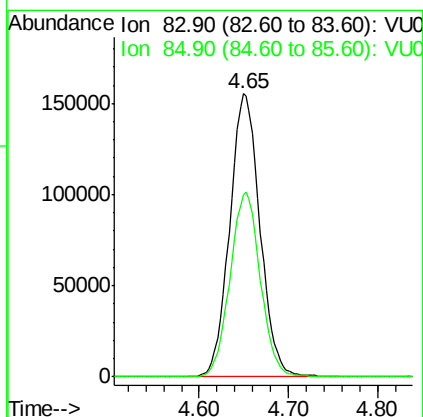
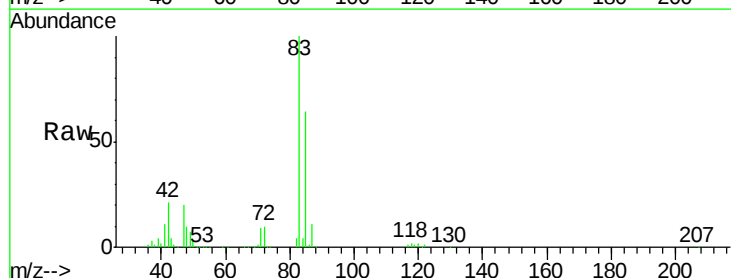
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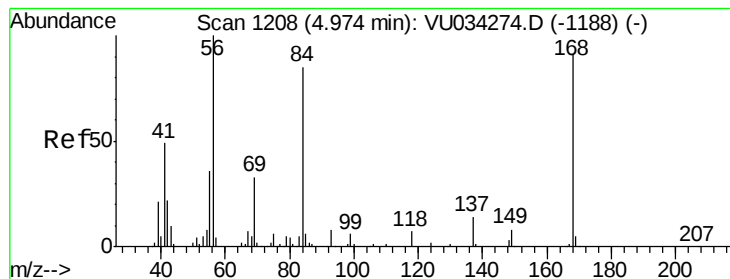
MMDadoda
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#30
Chloroform
Concen: 47.729 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.5	77.3





#31

Cyclohexane

Concen: 48.436 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 266517

Ion Ratio Lower Upper

56 100

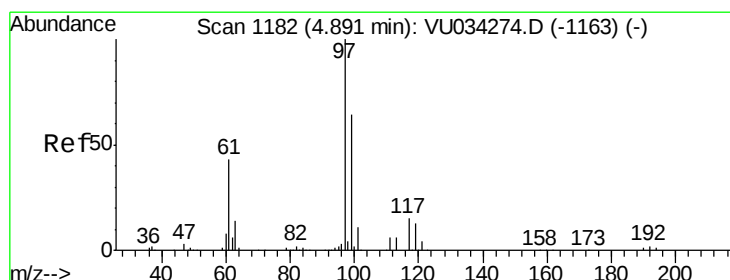
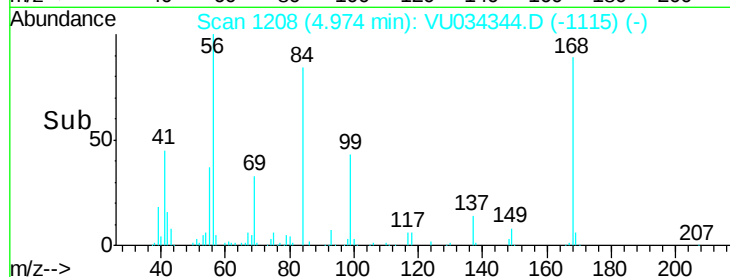
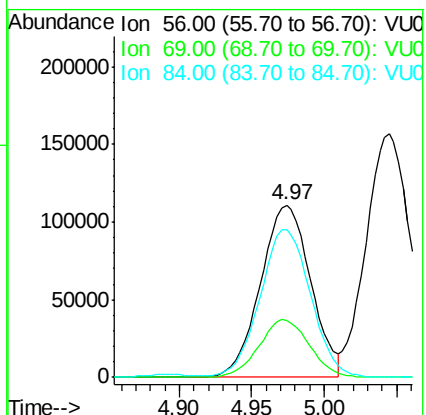
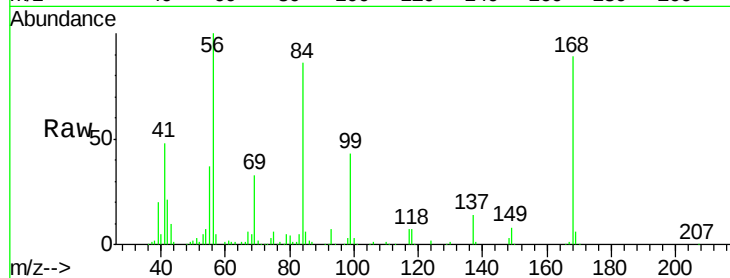
69 33.1 26.7 40.1

84 84.5 68.2 102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.233 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

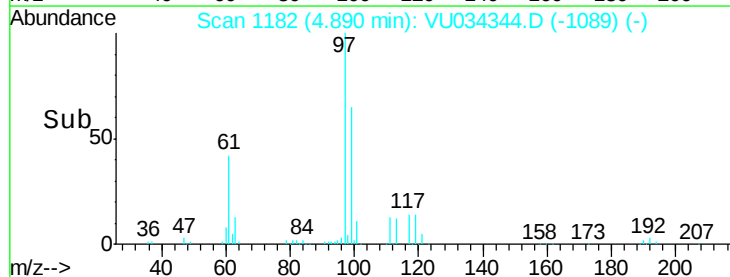
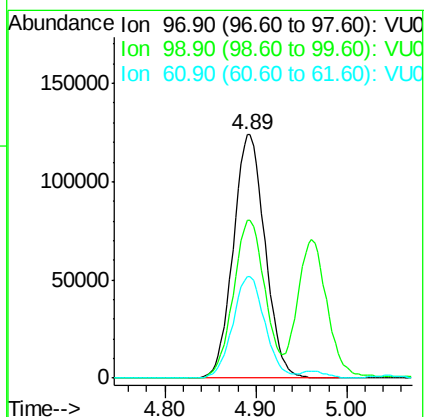
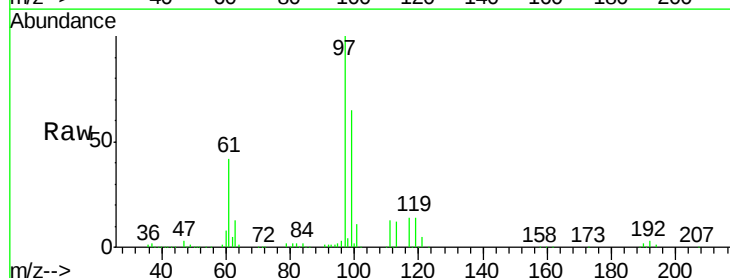
Tgt Ion: 97 Resp: 300930

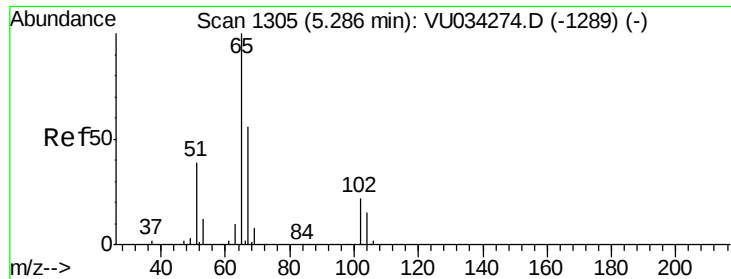
Ion Ratio Lower Upper

97 100

99 64.5 50.9 76.3

61 42.1 34.7 52.1





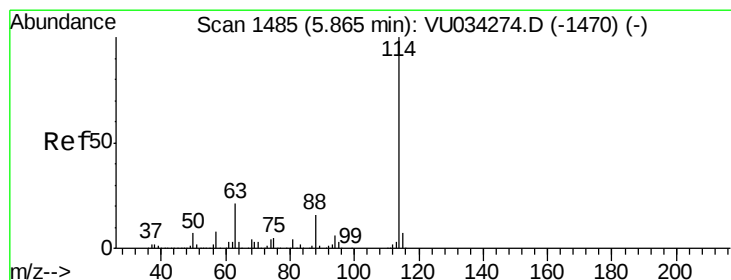
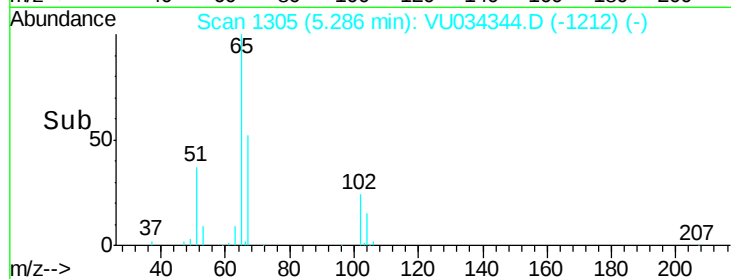
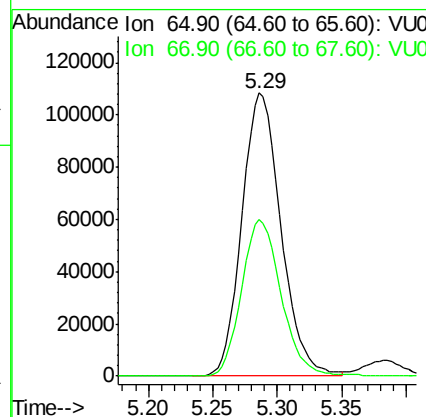
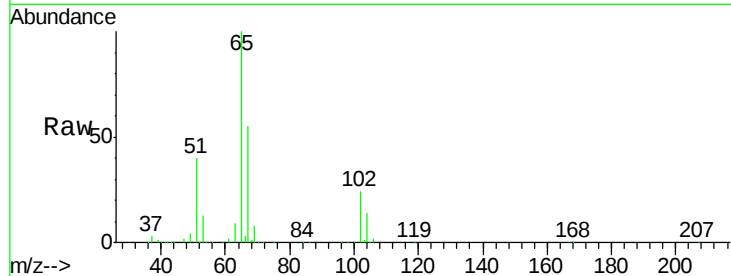
#33
 1,2-Dichloroethane-d4
 Concen: 48.790 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.1	0.0	112.4

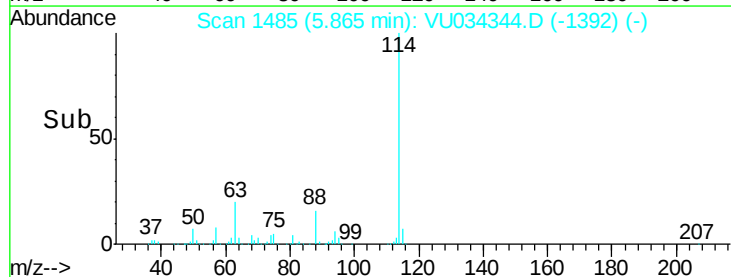
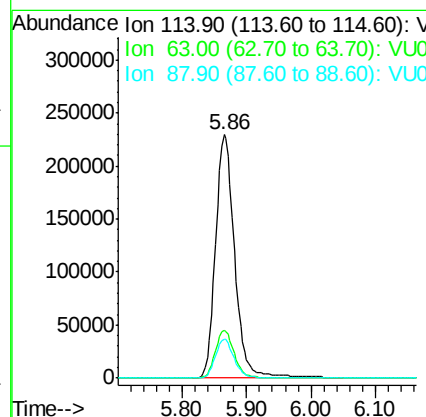
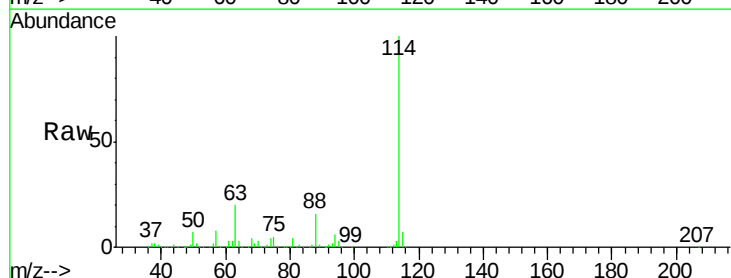
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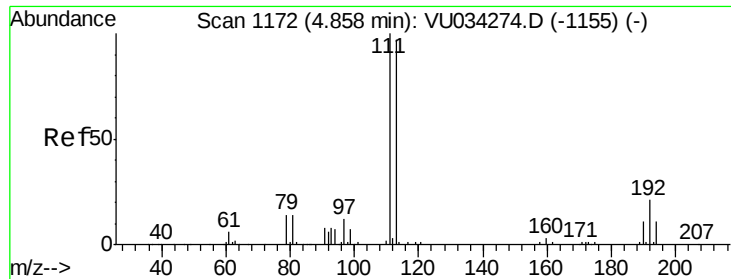
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

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





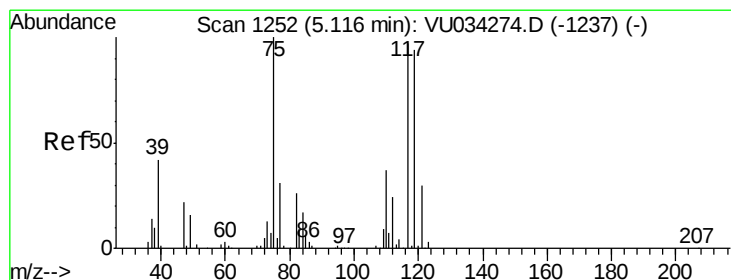
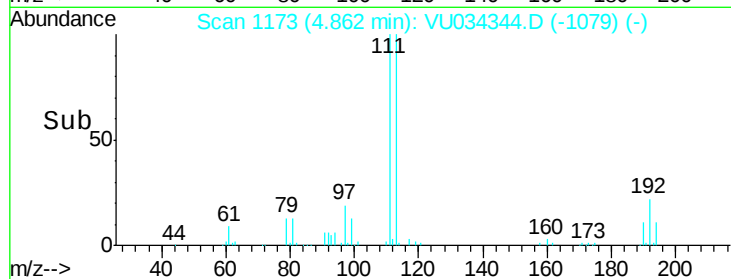
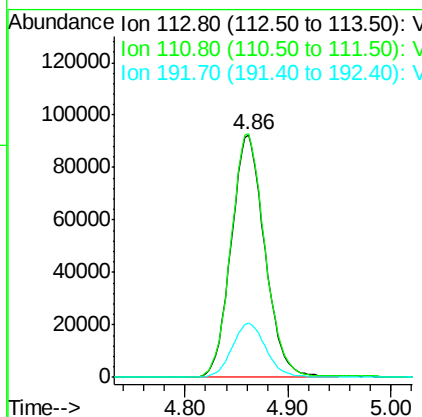
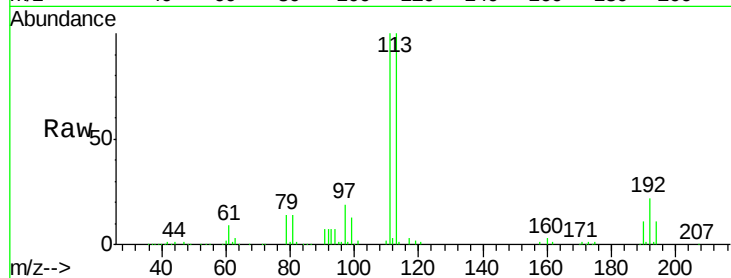
#35
 Dibromofluoromethane
 Concen: 47.849 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	210270		
111	100.9	81.5	122.3	
192	22.4	17.8	26.8	

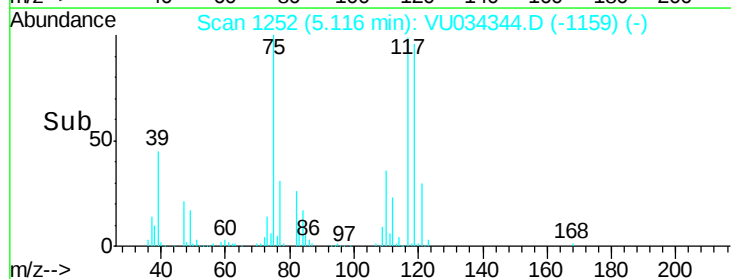
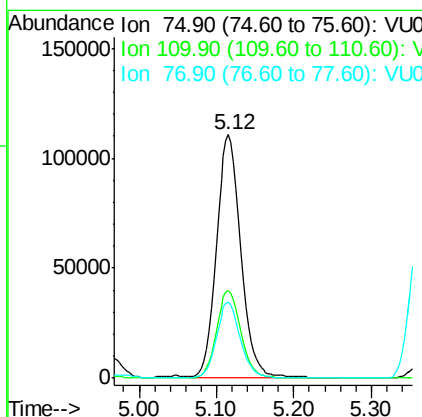
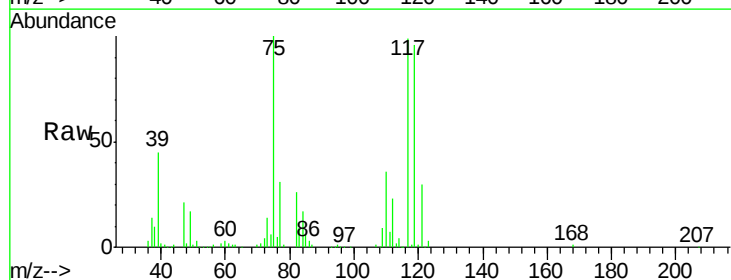
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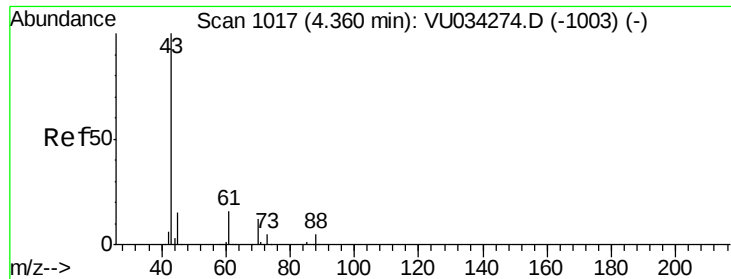
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.494 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	243251		
110	36.2	18.3	54.9	
77	30.3	24.9	37.3	





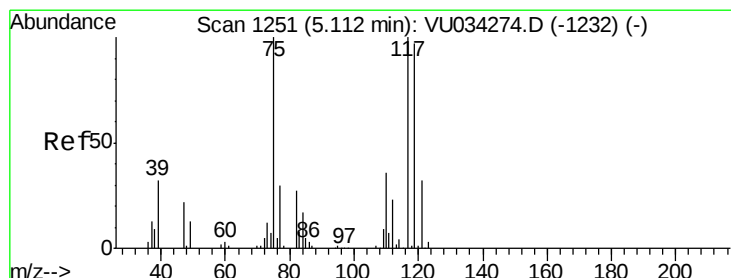
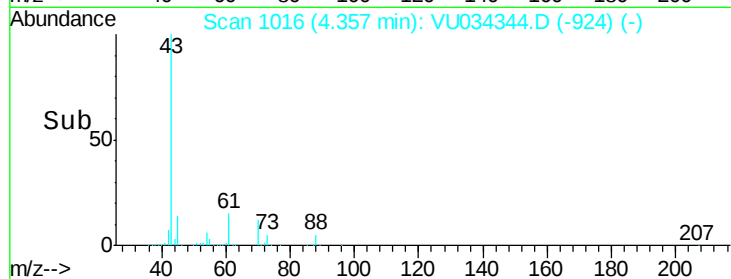
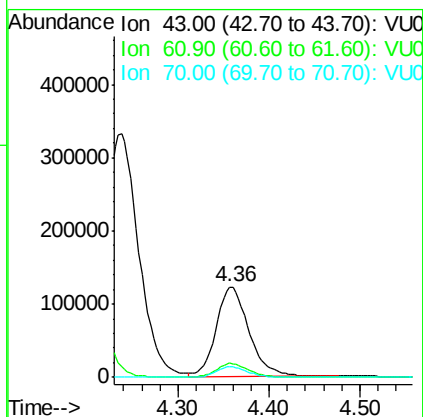
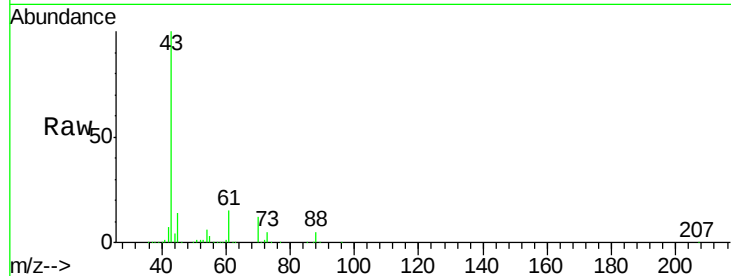
#37
Ethyl Acetate
Concen: 50.252 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	12.3	18.5
70	11.4	9.1	13.7

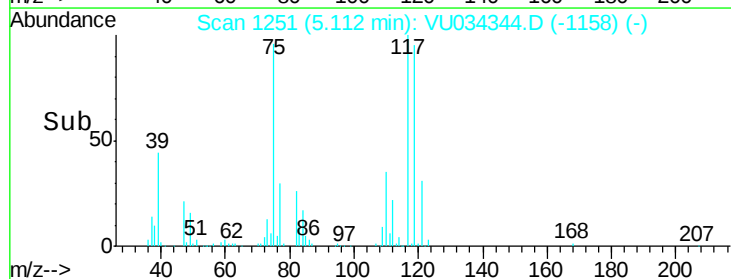
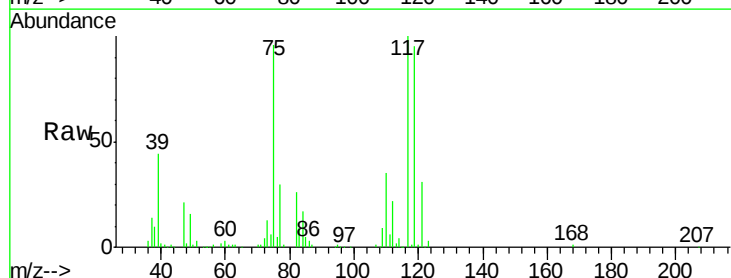
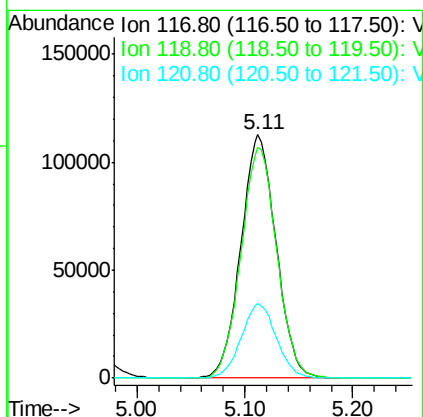
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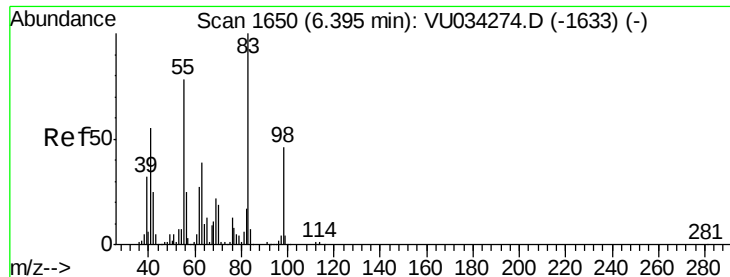
MMDadoda
9/10/2019 1:30:37 PM



#38
Carbon Tetrachloride
Concen: 46.838 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.6
121	30.5	25.2	37.8





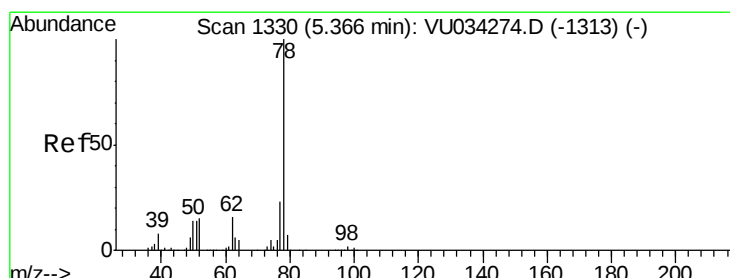
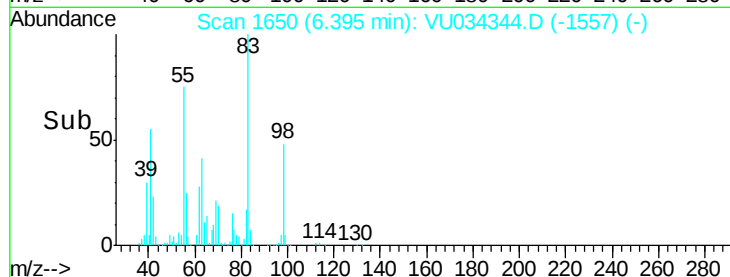
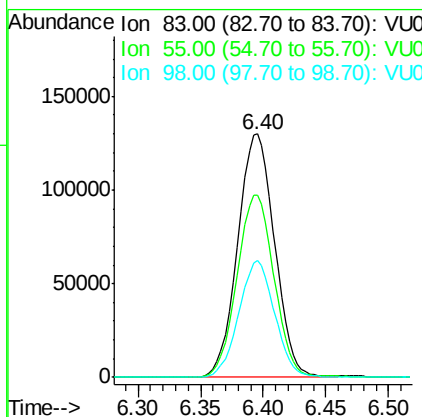
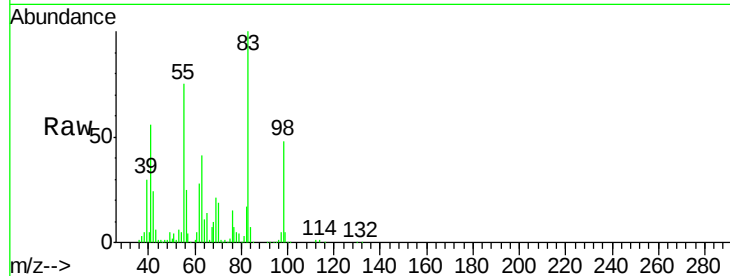
#39
Methylvlcyclohexane
Concen: 48.585 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	62.1	93.1
98	47.9	37.0	55.6

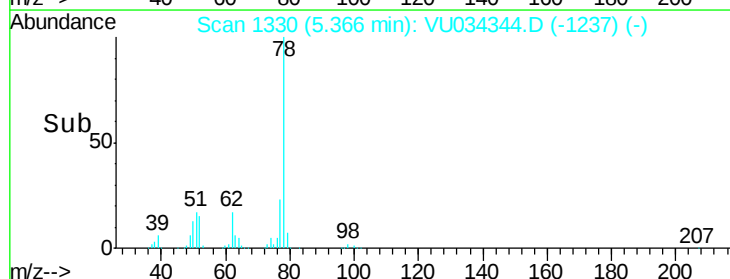
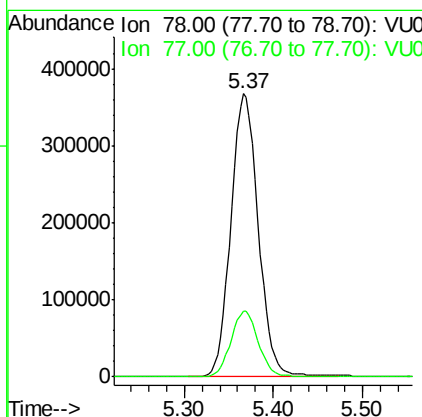
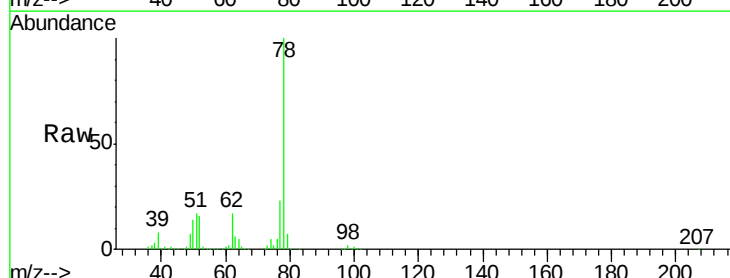
Manual Integrations
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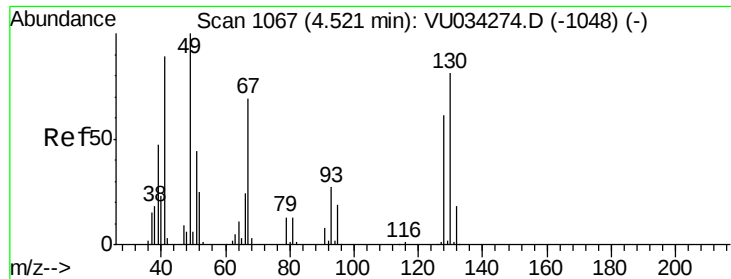
MMDadoda
9/10/2019 1:30:37 PM



#40
Benzene
Concen: 47.364 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





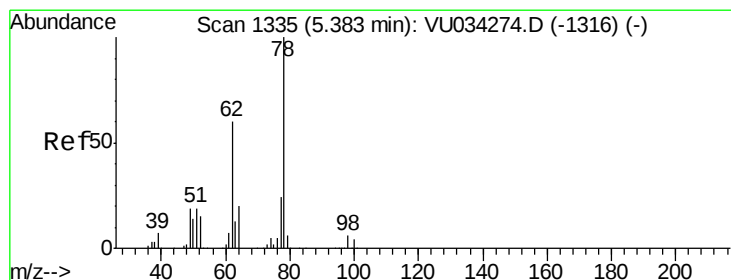
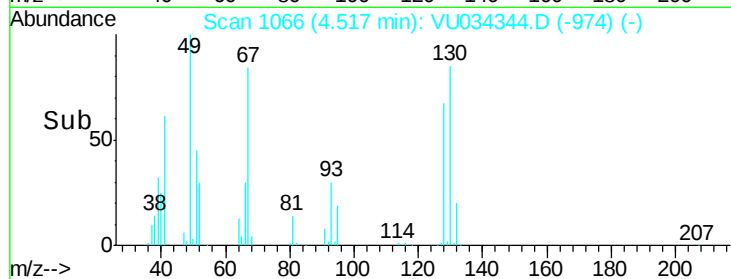
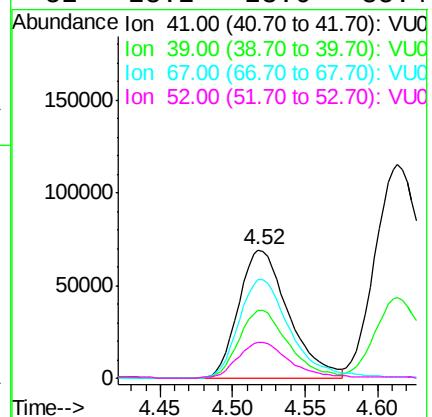
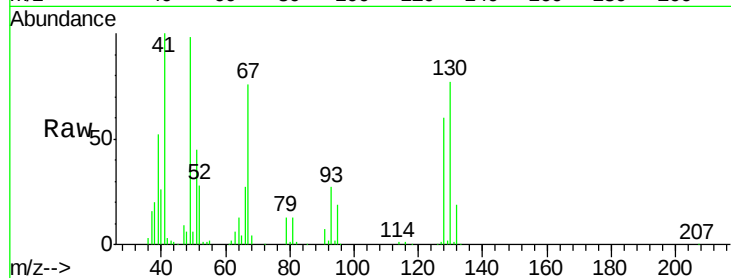
#41
Methacrylonitrile
Concen: 51.176 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	165072
Ion	Ratio	Lower	Upper
41	100		
39	51.7	41.0	61.4
67	80.0	62.4	93.6
52	28.2	23.6	35.4

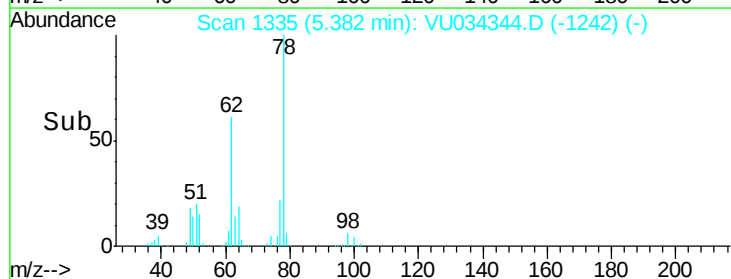
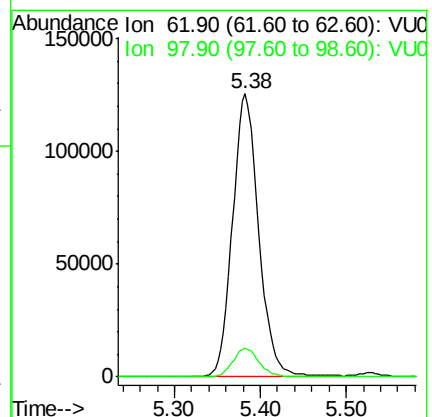
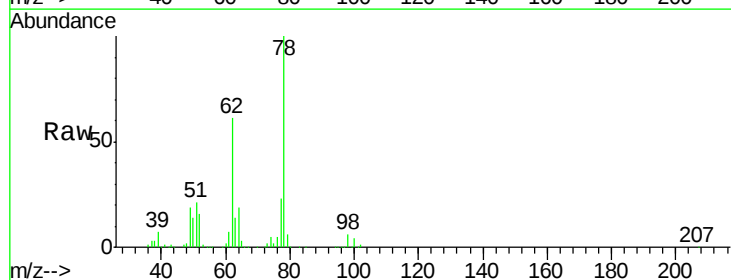
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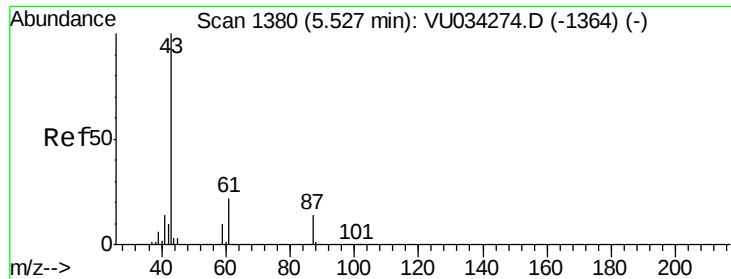
MMDadoda
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#42
1,2-Dichloroethane
Concen: 46.280 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	62	Resp	265550
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.0





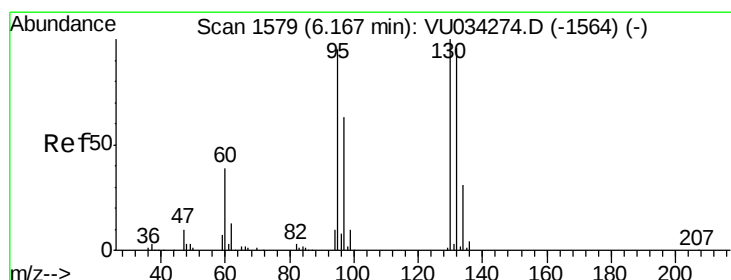
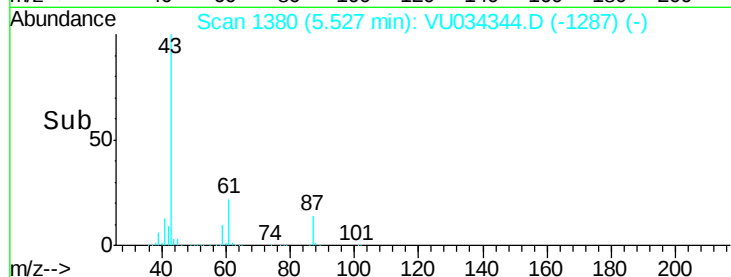
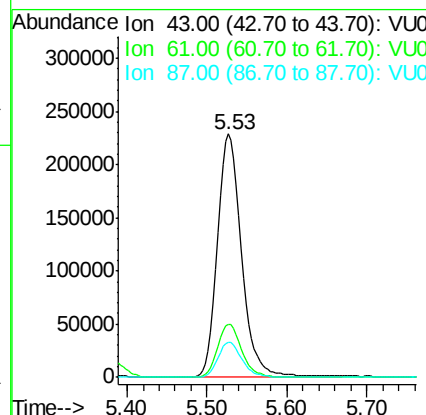
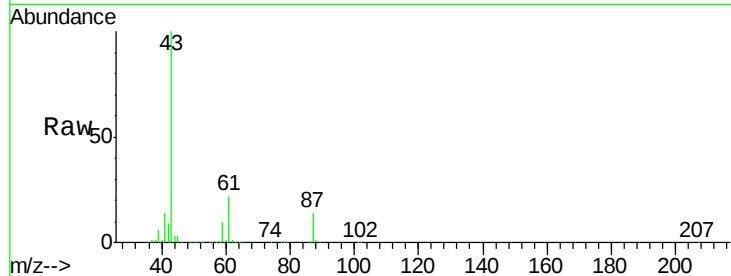
#43
Isopropyl Acetate
Concen: 50.551 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.1	25.7
87	14.5	11.1	16.7

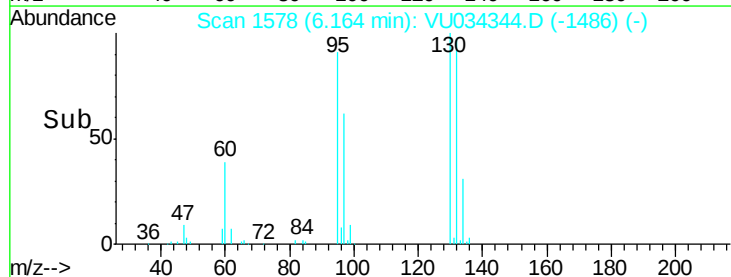
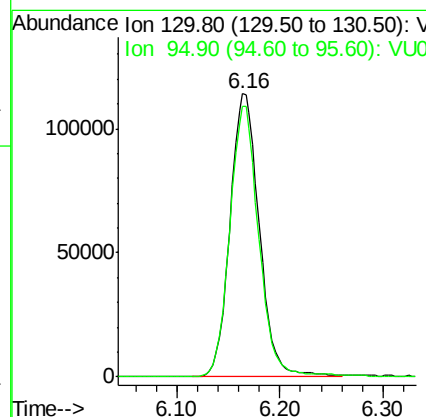
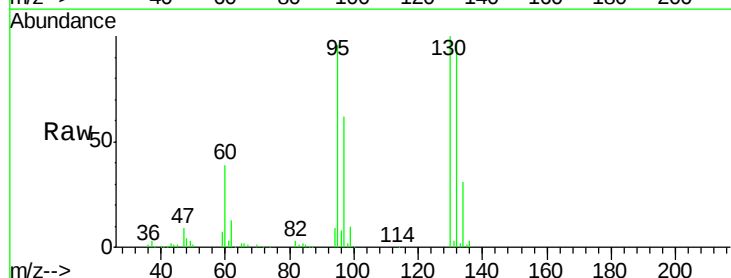
Manual Integrations
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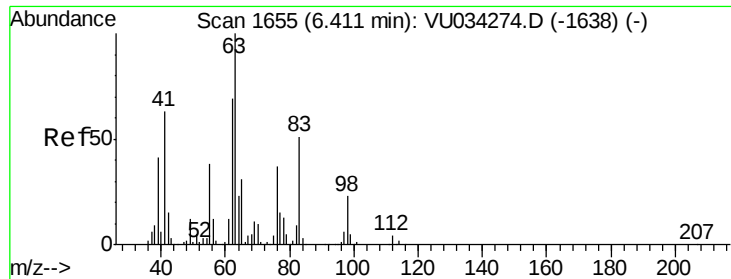
MMDadoda
9/10/2019 1:30:37 PM



#44
Trichloroethene
Concen: 49.428 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	189.2





#45

1,2-Dichloropropane

Concen: 47.939 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 231614

Ion Ratio Lower Upper

63 100

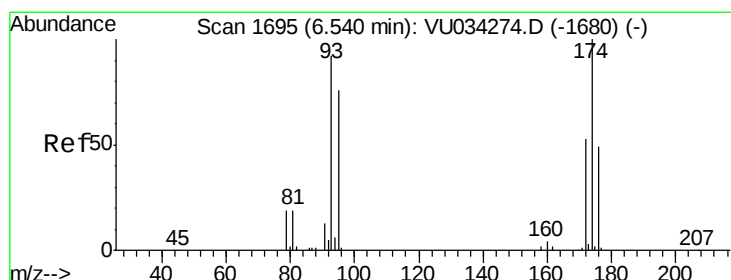
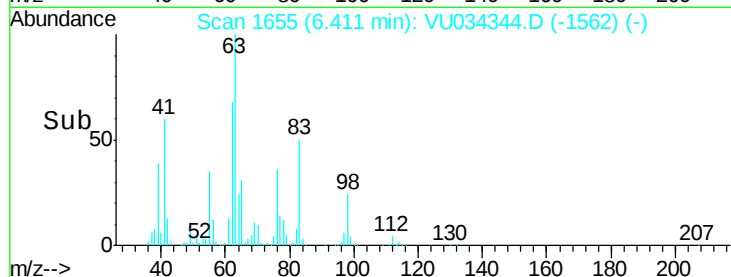
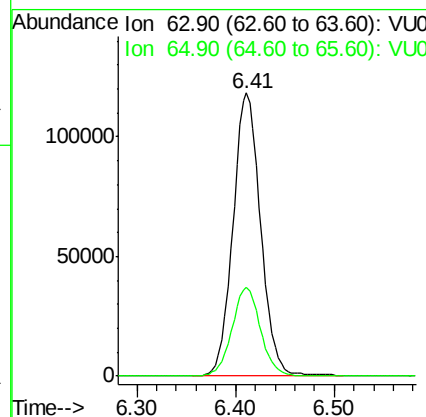
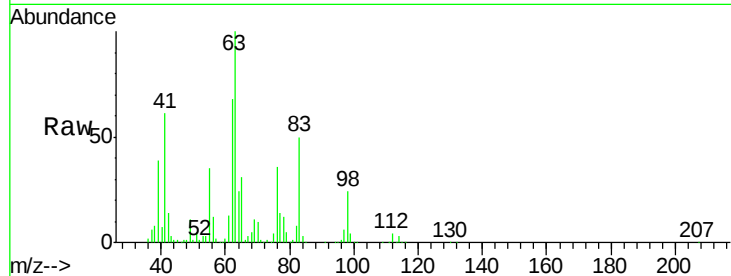
65 31.4 24.6 37.0

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#46

Dibromomethane

Concen: 47.478 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

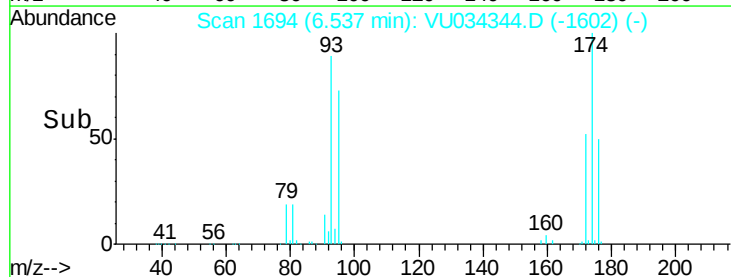
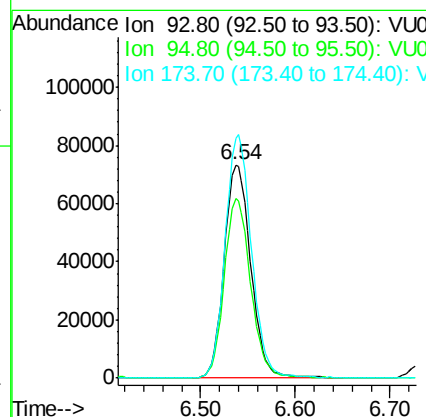
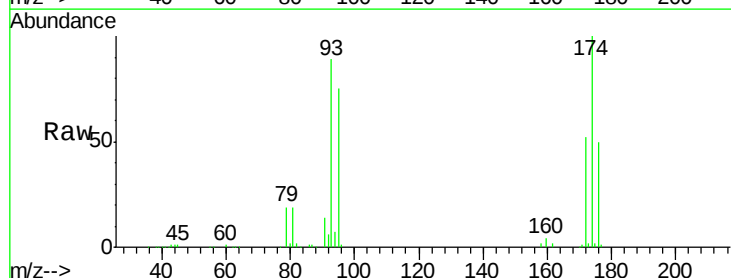
Tgt Ion: 93 Resp: 143987

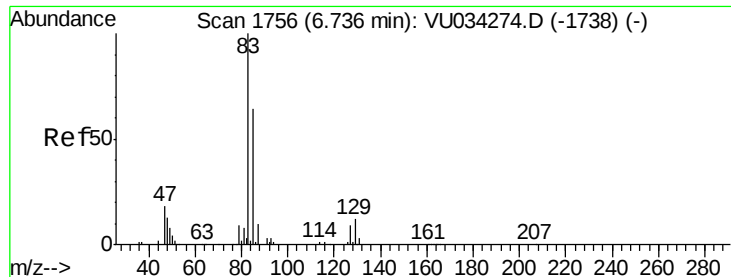
Ion Ratio Lower Upper

93 100

95 83.6 66.5 99.7

174 112.7 87.8 131.6





#47

Bromodichloromethane

Concen: 47.416 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

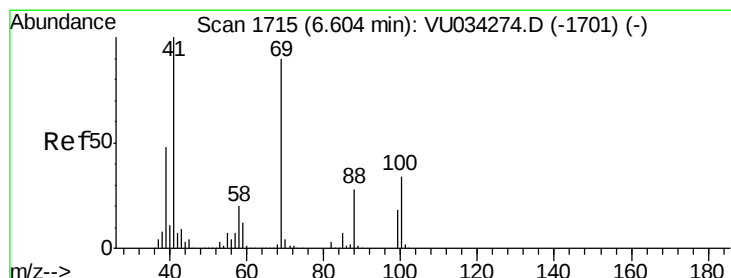
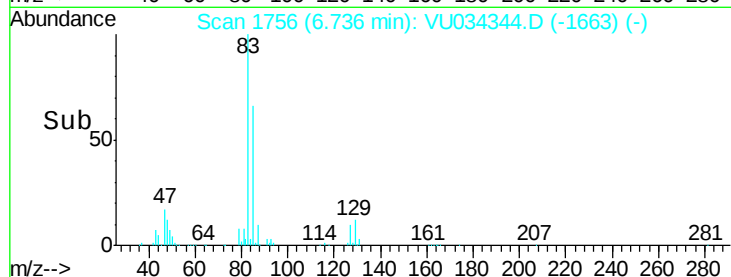
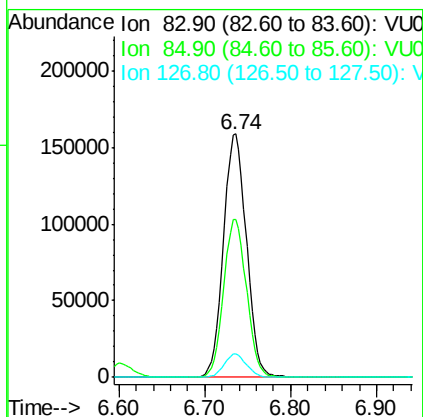
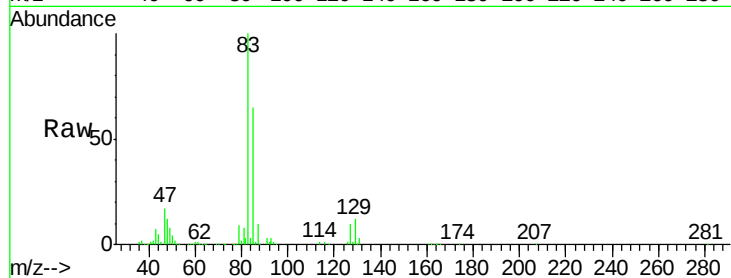
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	295999
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.1	76.7
127	9.6	7.2	10.8

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#48

Methyl methacrylate

Concen: 50.247 ug/l

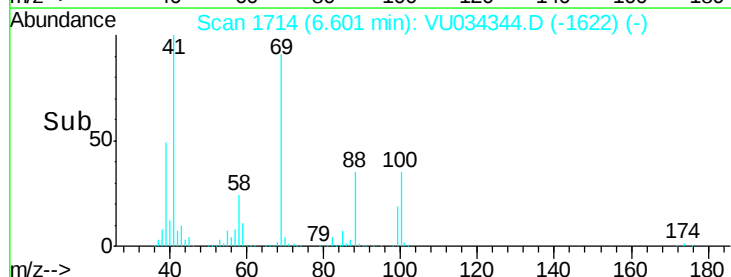
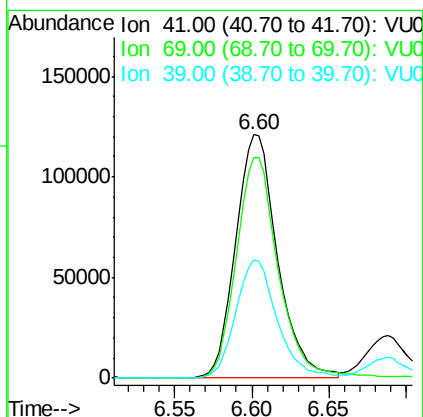
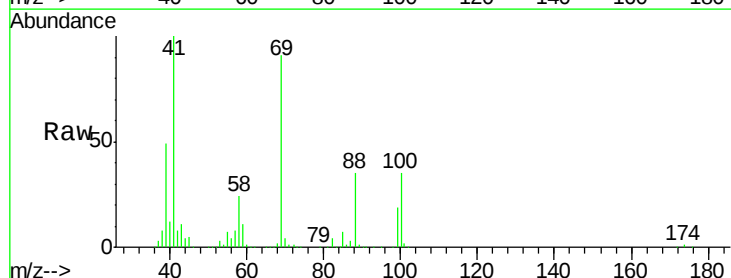
RT: 6.60 min Scan# 1714

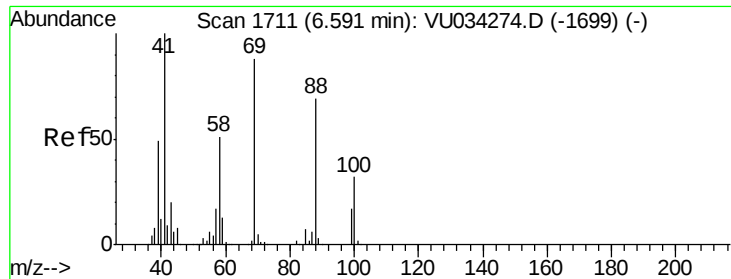
Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion:	41	Resp:	225443
Ion	Ratio	Lower	Upper
41	100		
69	92.9	72.8	109.2
39	48.3	38.6	58.0





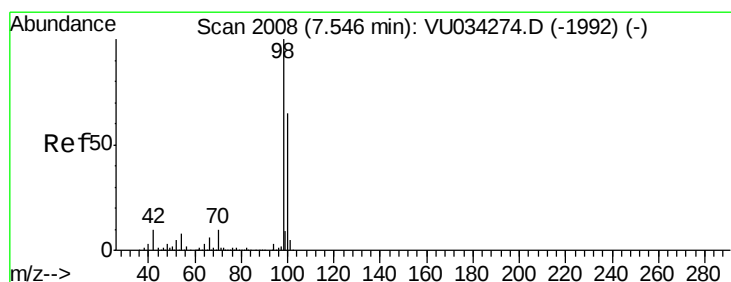
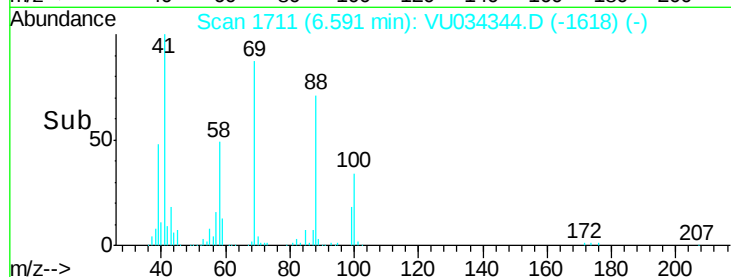
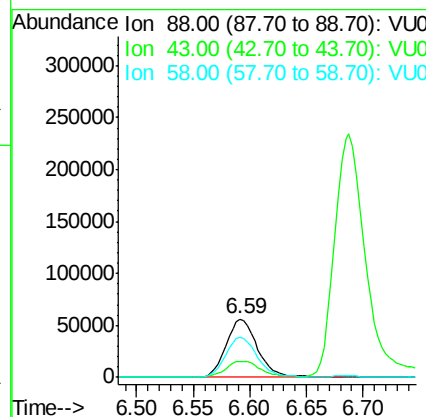
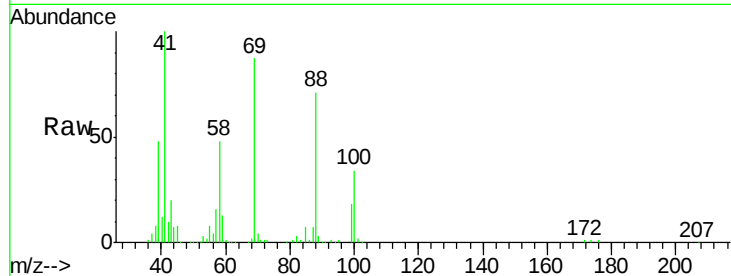
#49
1,4-Dioxane
Concen: 1086.416 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.8	35.6
58	70.7	58.4	87.6

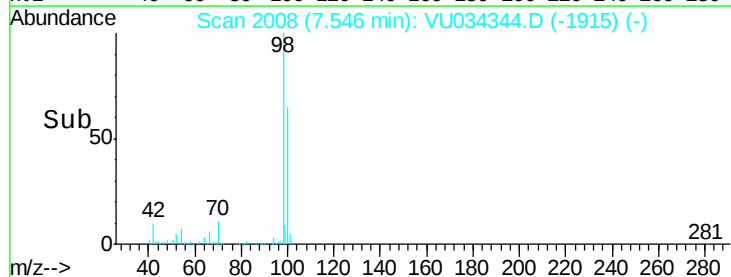
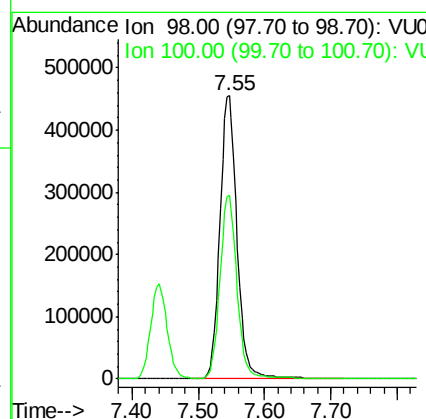
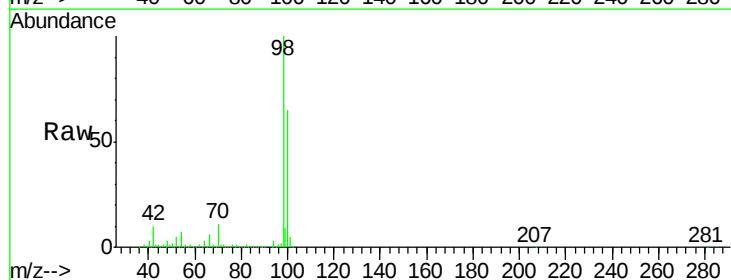
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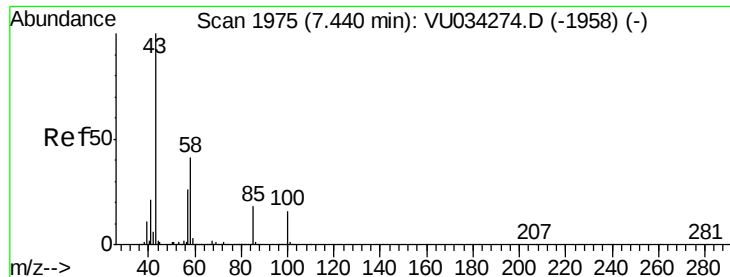
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#50
Toluene-d8
Concen: 49.509 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





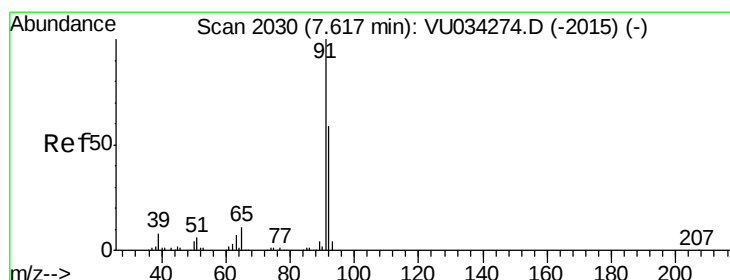
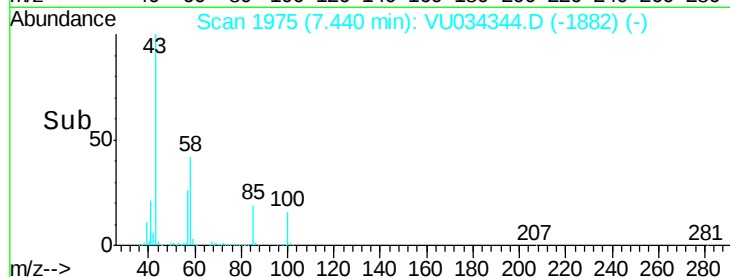
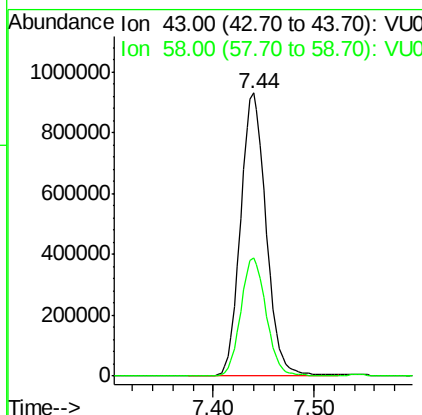
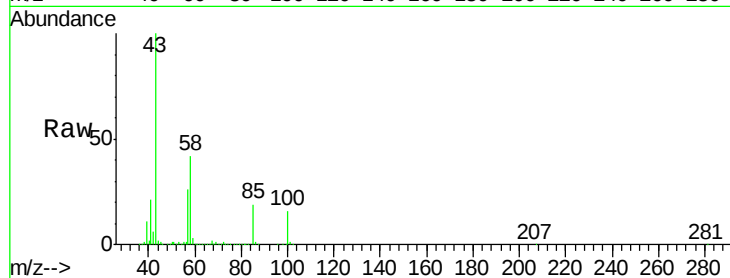
#51
 4-Methyl-2-Pentanone
 Concen: 248.560 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1625316
 Ion Ratio Lower Upper
 43 100
 58 41.9 33.0 49.4

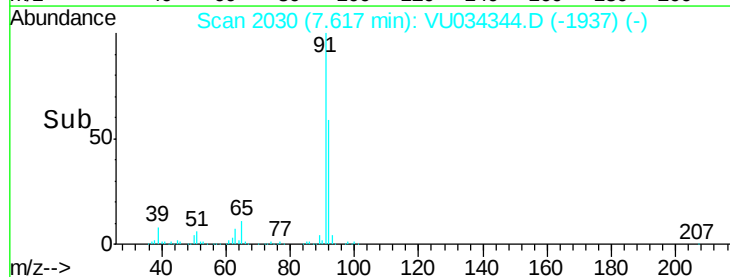
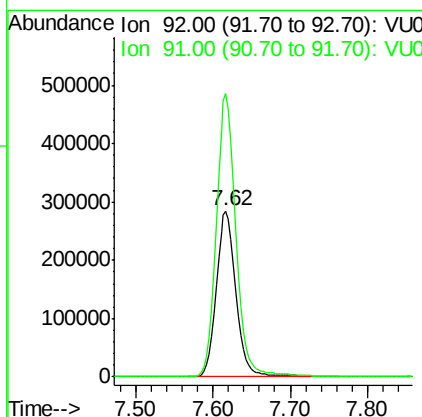
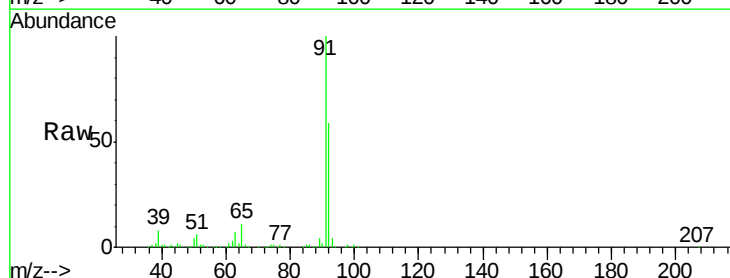
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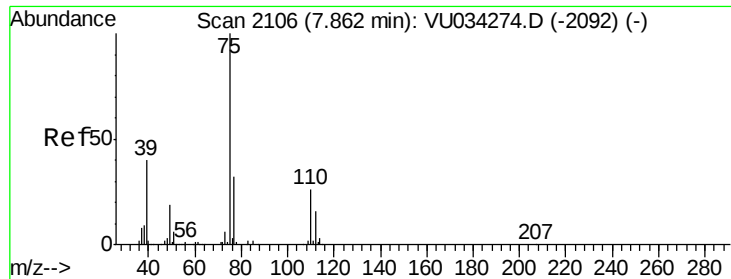
MMDadoda
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#52
 Toluene
 Concen: 49.281 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion: 92 Resp: 510908
 Ion Ratio Lower Upper
 92 100
 91 170.8 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 49.252 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tot Ion: 75 Resp: 318722

Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

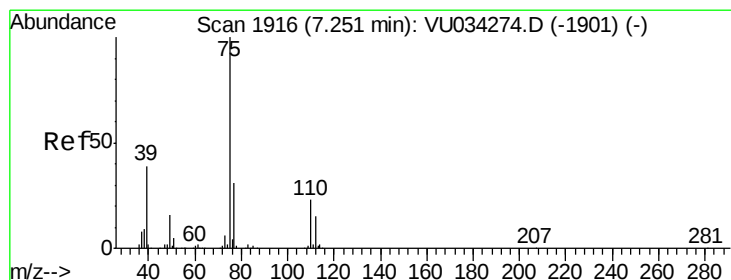
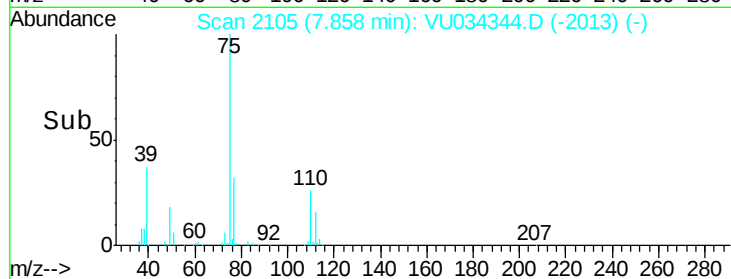
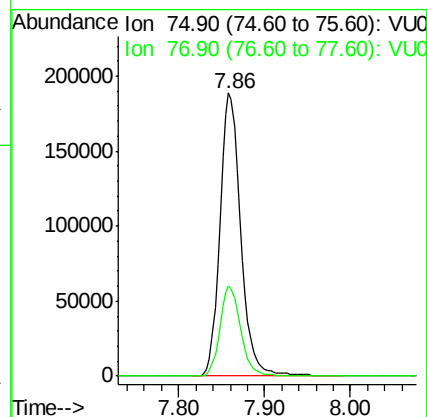
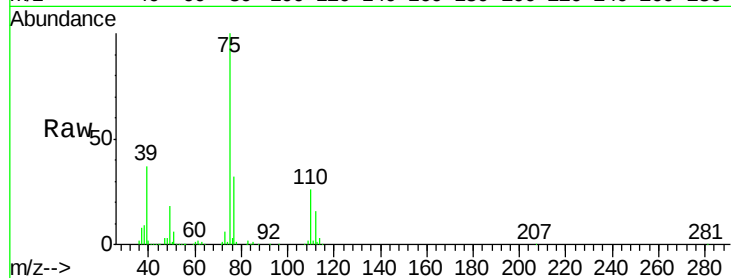
VSTDCCC050EC

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#54

cis-1,3-Dichloropropene

Concen: 49.574 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

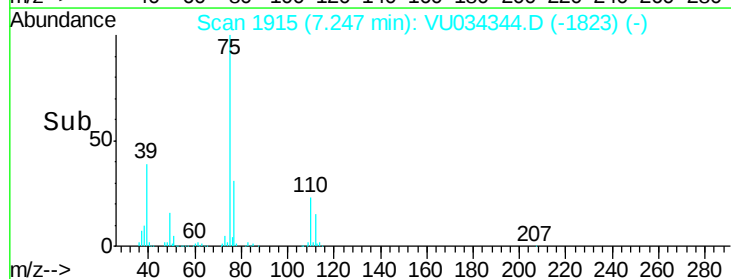
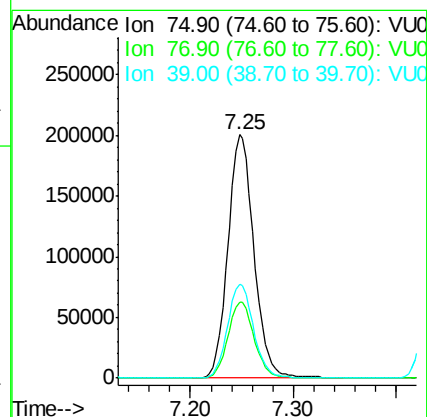
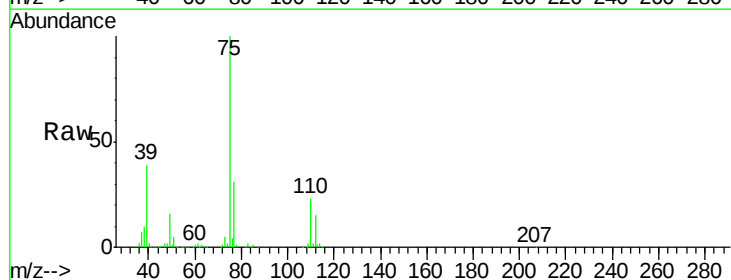
Tgt Ion: 75 Resp: 352092

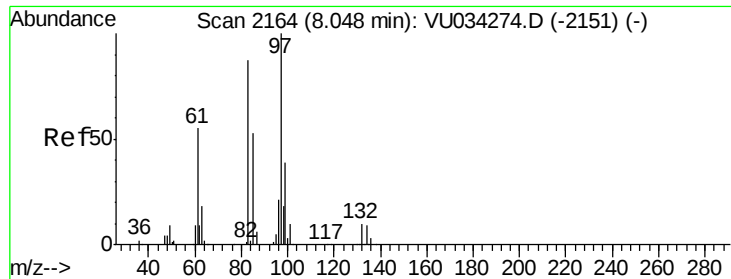
Ion Ratio Lower Upper

75 100

77 31.2 25.1 37.7

39 38.7 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 47.630 ug/l

RT: 8.04 min Scan# 2163

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

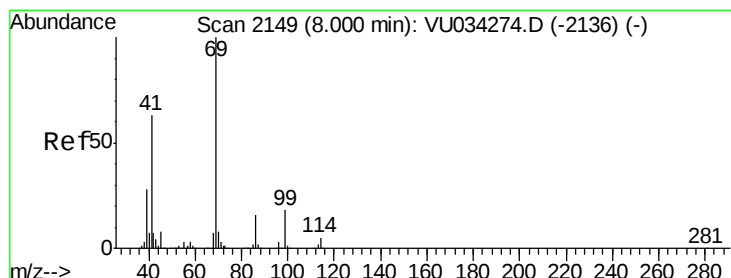
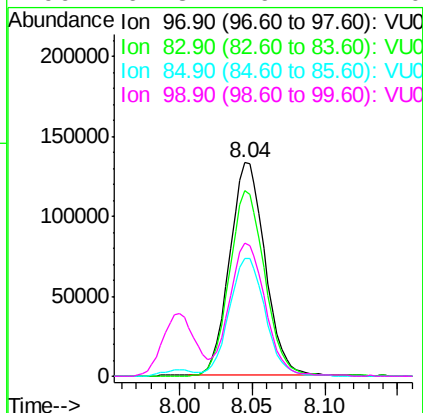
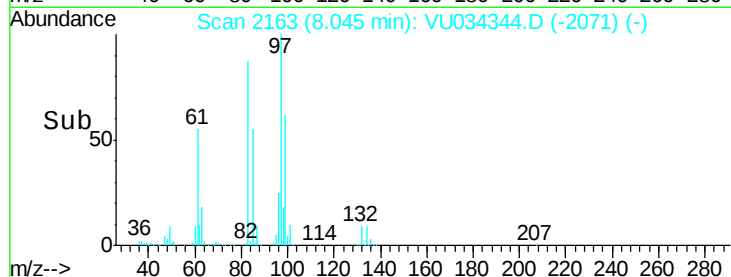
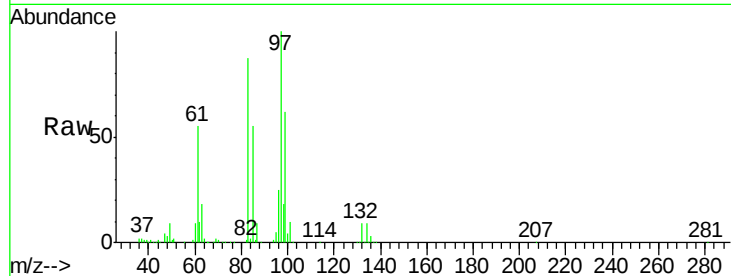
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		224216		
83	87.3	69.0	103.6		
85	55.3	44.2	66.2		
99	62.3	49.4	74.0		

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#56

Ethyl methacrylate

Concen: 48.414 ug/l

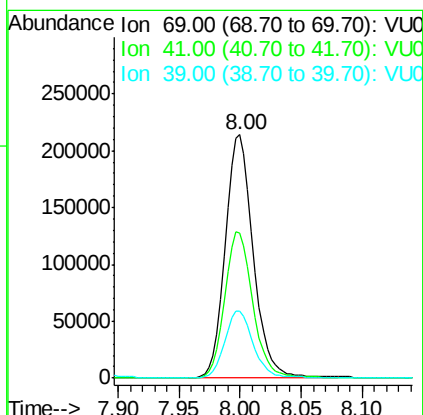
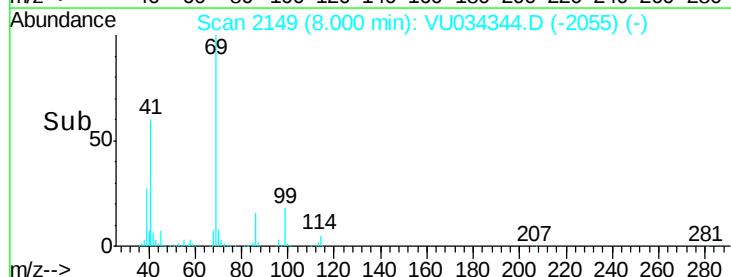
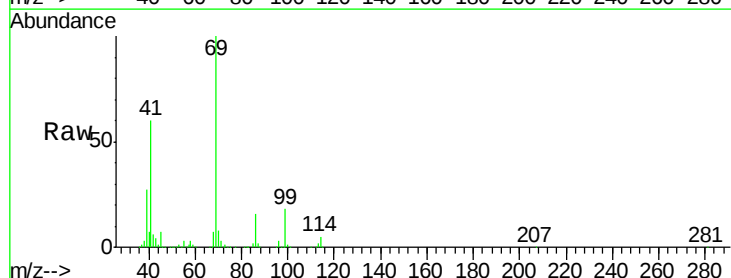
RT: 8.00 min Scan# 2149

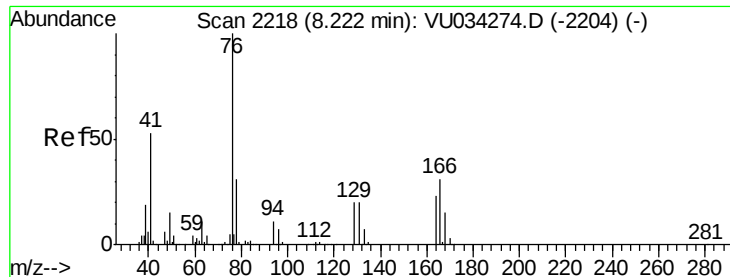
Delta R.T. 0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		345516		
41	60.7	49.5	74.3		
39	27.7	22.5	33.7		





#57

1,3-Dichloropropane

Concen: 48.442 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleID :

VSTDCCC050EC

Tot Ion: 76 Resp: 371331

Ion Ratio Lower Upper

76 100

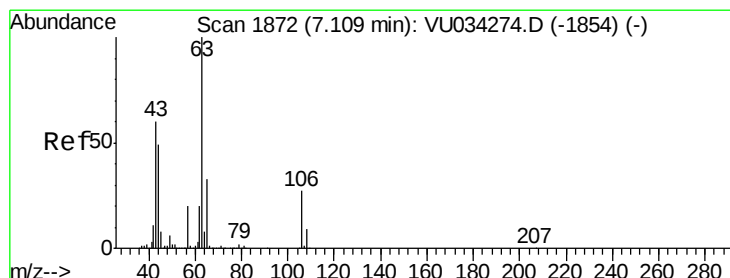
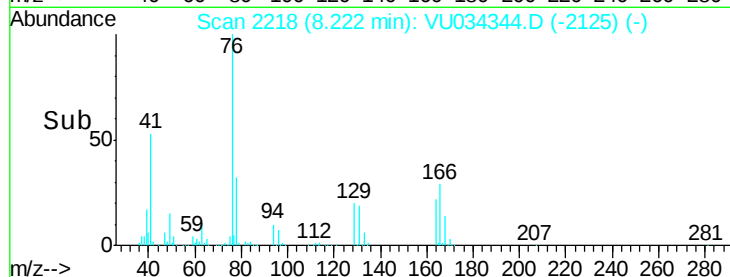
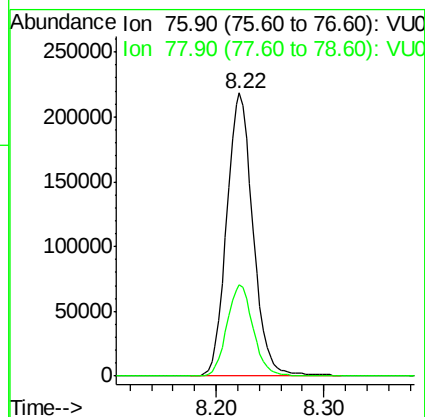
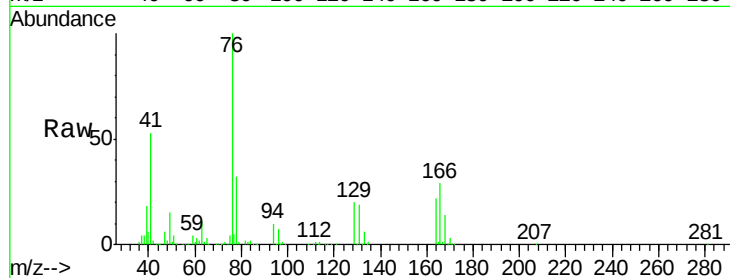
78 32.1 25.4 38.2

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 244.941 ug/l

RT: 7.11 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VU034344.D

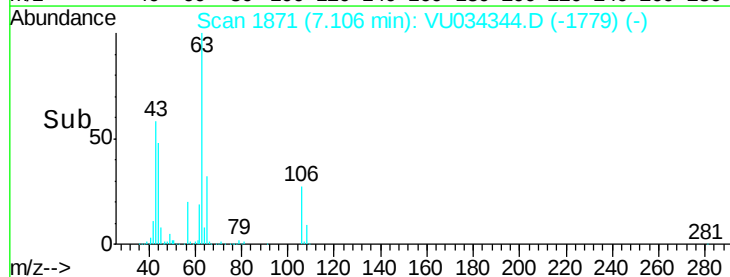
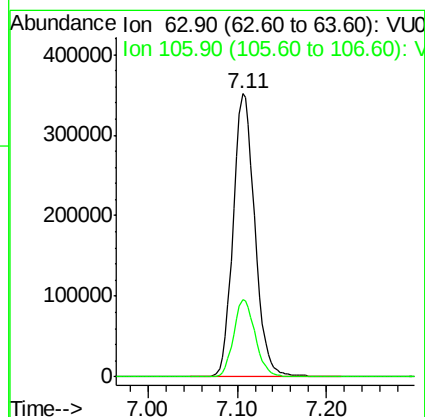
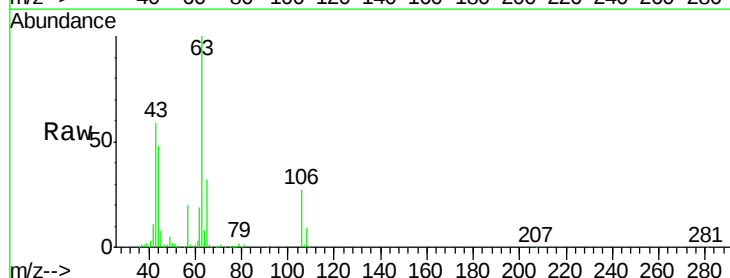
Acq: 06 Sep 2019 20:26

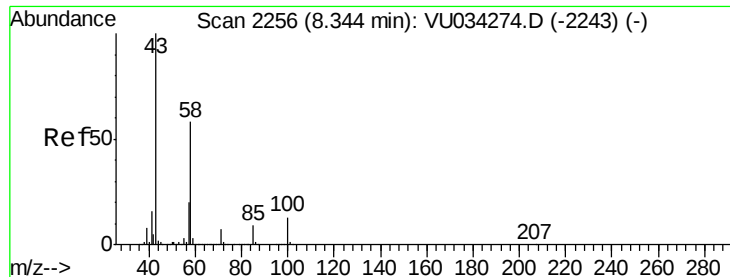
Tgt Ion: 63 Resp: 591810

Ion Ratio Lower Upper

63 100

106 27.2 21.6 32.4





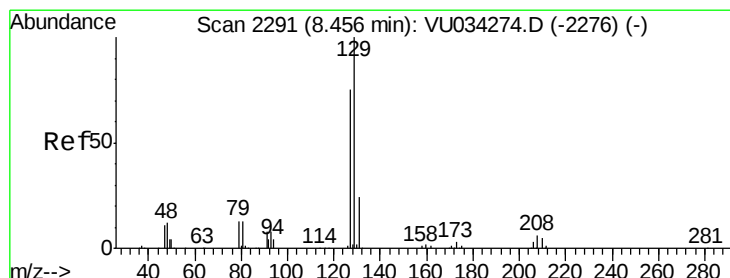
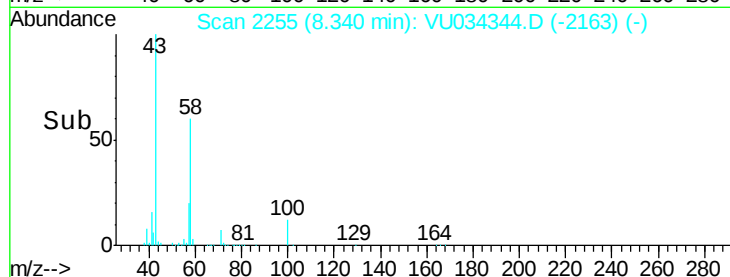
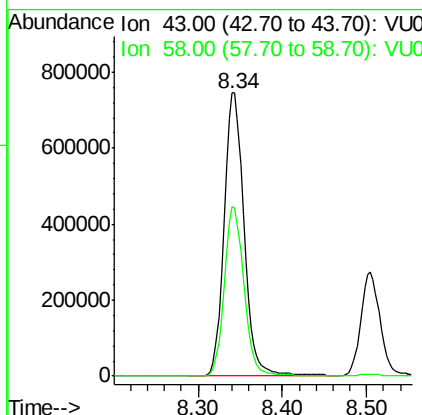
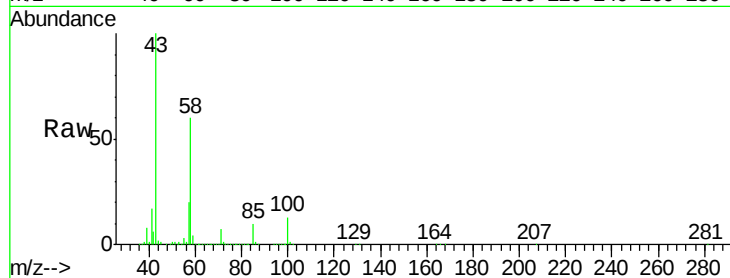
#59
2-Hexanone
Concen: 251.119 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1226697
Ion Ratio Lower Upper
43 100
58 59.4 28.8 86.5

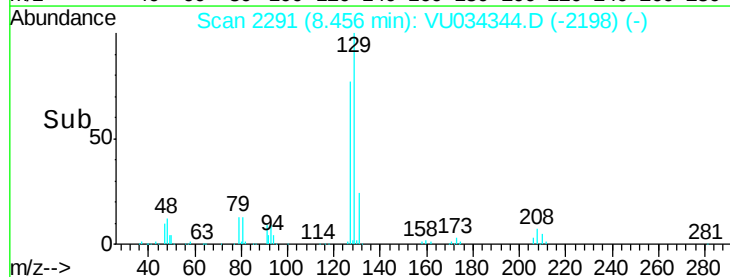
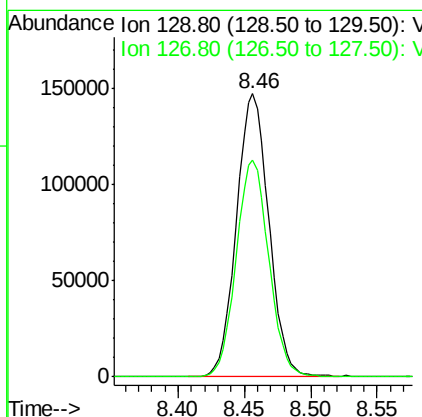
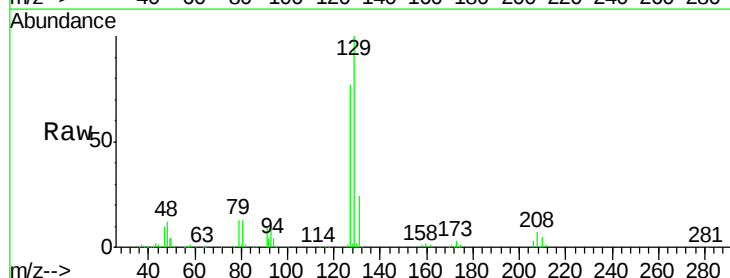
Manual Integrations
APPROVED

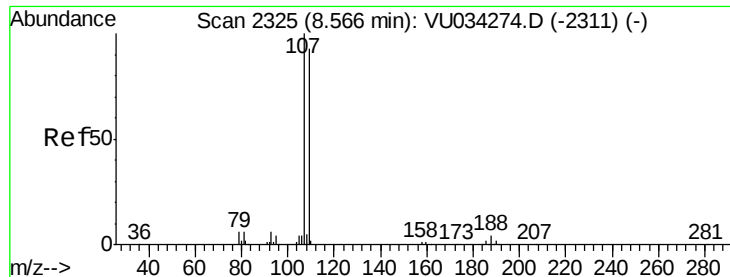
MMDadoda
9/10/2019 1:30:37 PM



#60
Dibromochloromethane
Concen: 49.571 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion: 129 Resp: 250296
Ion Ratio Lower Upper
129 100
127 77.0 37.9 113.7





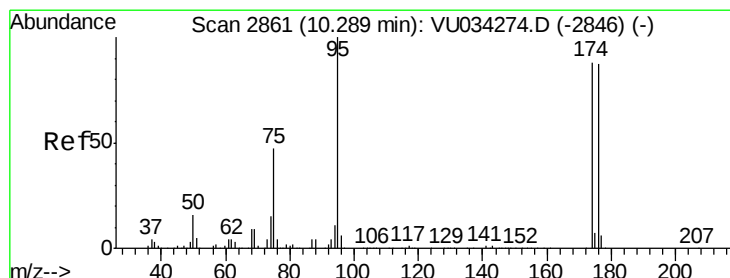
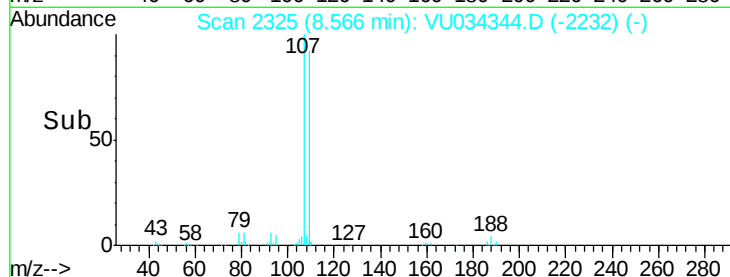
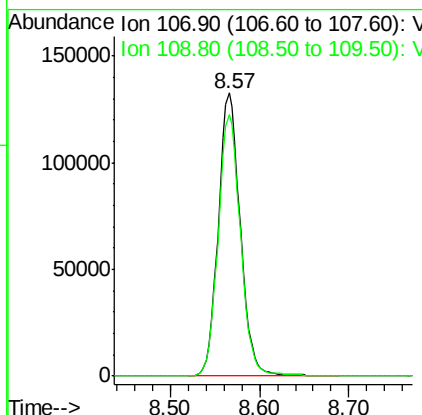
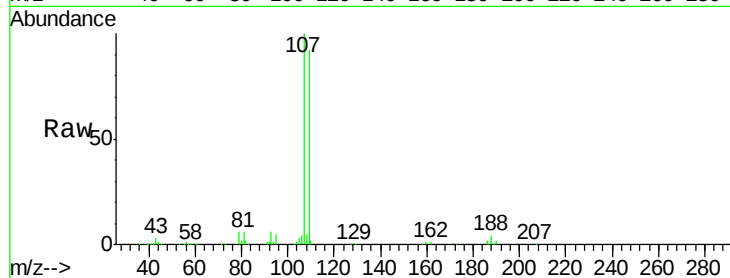
#61
 1,2-Dibromoethane
 Concen: 49.081 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	75.0	112.6

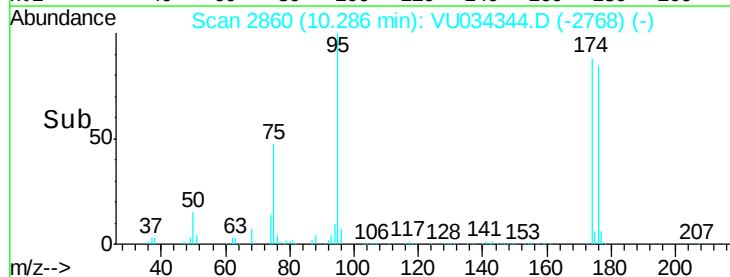
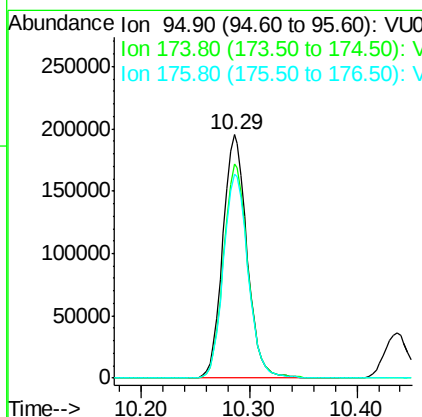
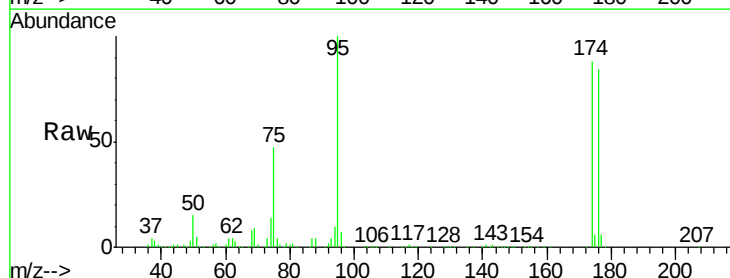
Manual Integrations
 APPROVED

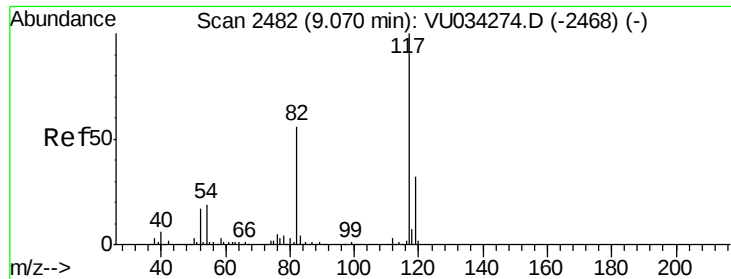
MMDadoda
 9/10/2019 1:30:37 PM



#62
 4-Bromofluorobenzene
 Concen: 47.984 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	0.0	175.2
176	85.5	0.0	168.0





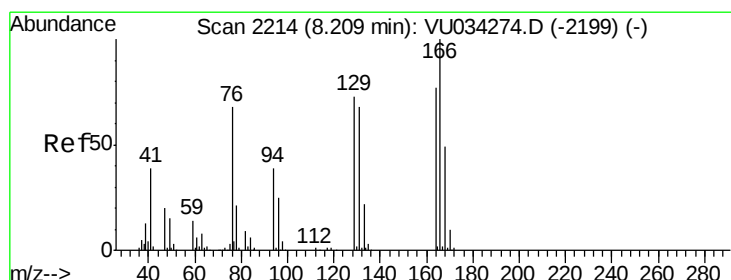
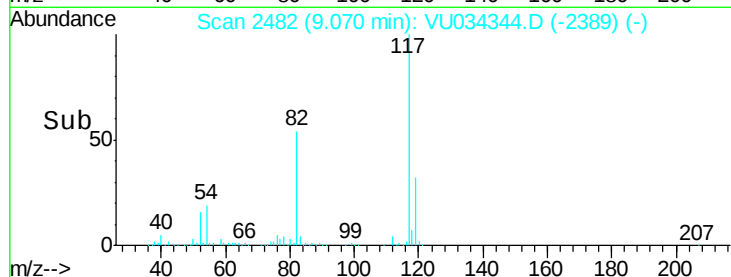
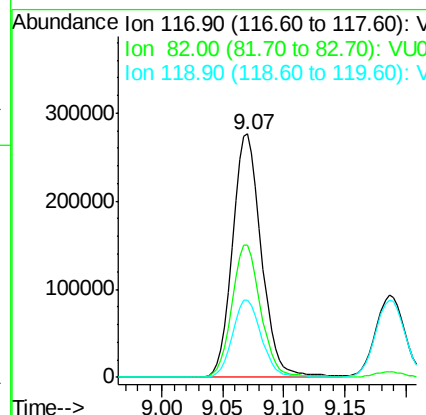
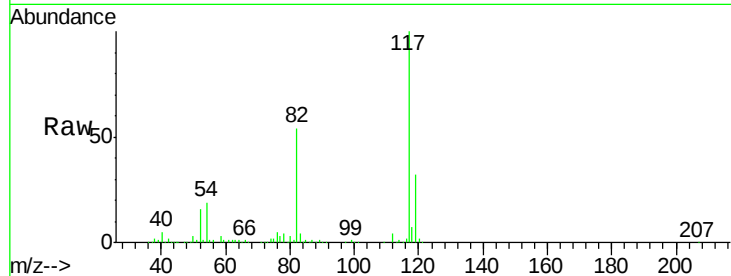
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	458482		
82	54.4		44.6	67.0
119	32.0		25.9	38.9

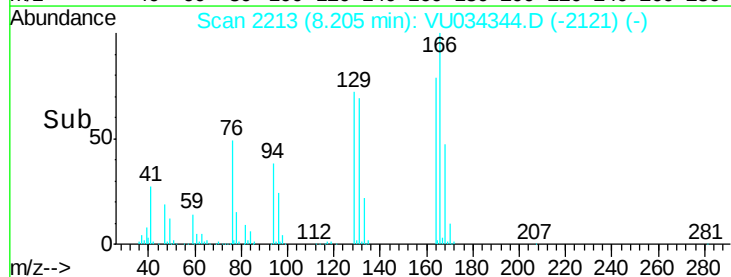
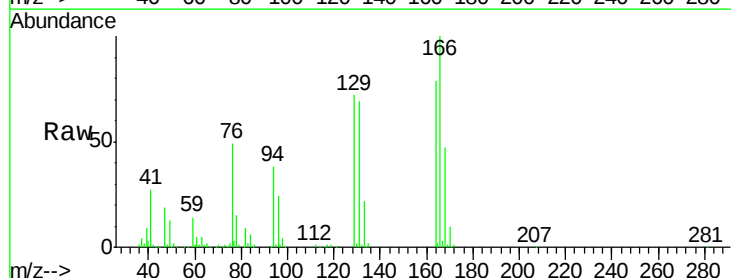
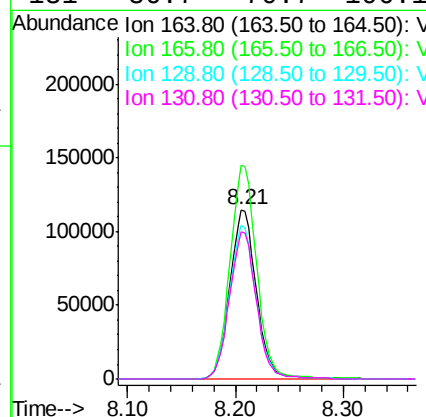
Manual Integrations
APPROVED

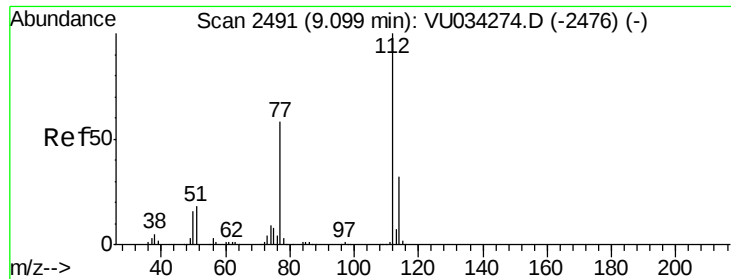
MMDadoda
9/10/2019 1:30:37 PM



#64
Tetrachloroethene
Concen: 49.454 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	196709		
166	126.3		103.7	155.5
129	91.0		75.8	113.8
131	86.7		70.7	106.1





#65

Chlorobenzene

Concen: 51.046 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:112 Resp: 593756

Ion Ratio Lower Upper

112 100

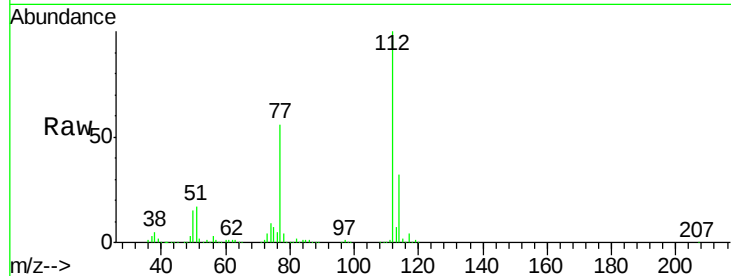
114 31.7 25.9 38.9

Manual Integrations

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9/10/2019 1:30:37 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

9.10

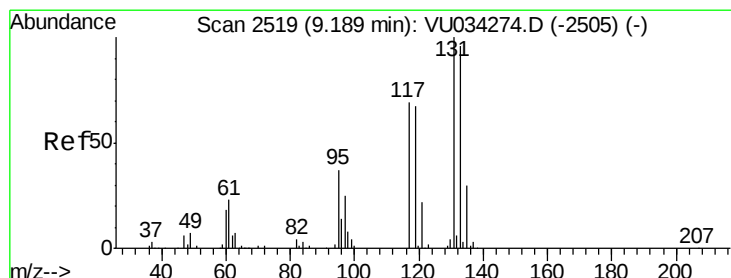
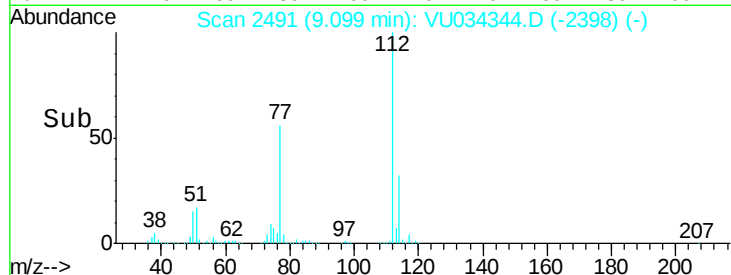
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 49.694 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

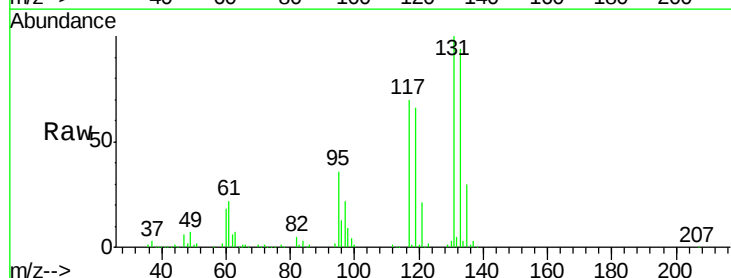
Tgt Ion:131 Resp: 220598

Ion Ratio Lower Upper

131 100

133 95.7 47.9 143.7

119 66.4 33.1 99.5



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

9.19

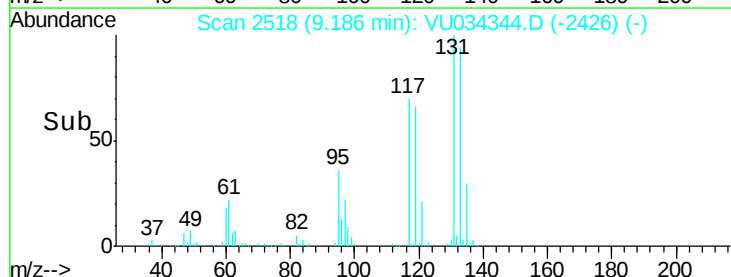
150000

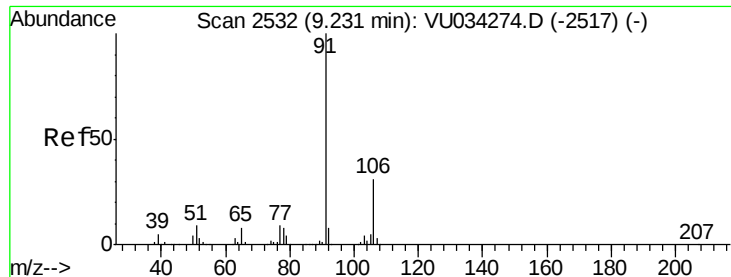
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50000

0

Time-->





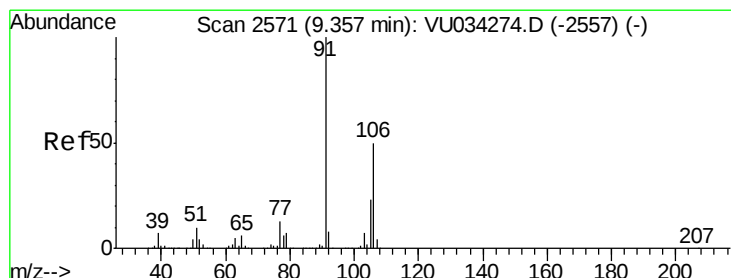
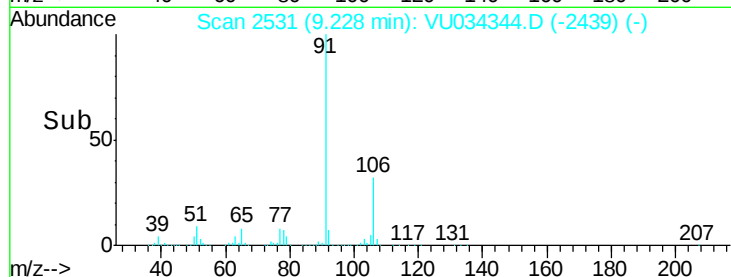
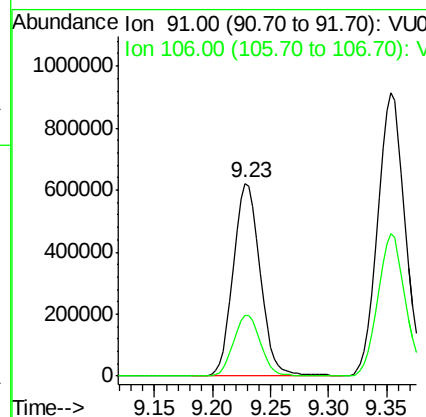
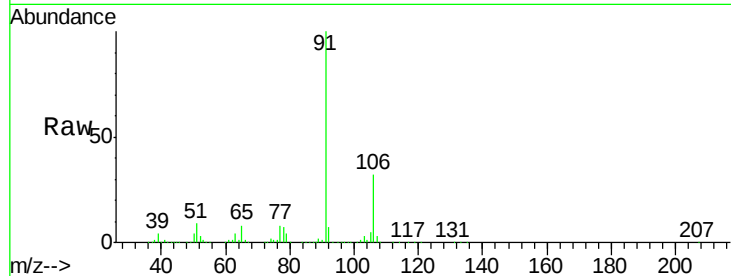
#67
Ethyl Benzene
Concen: 52.581 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1000026
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2

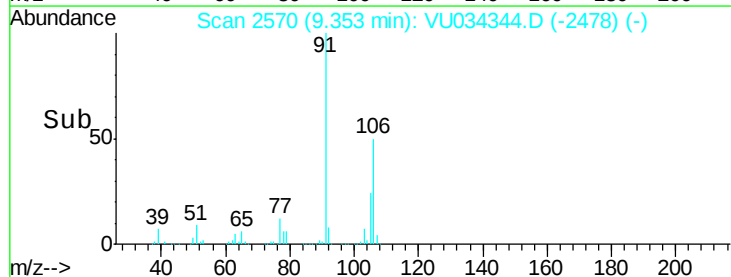
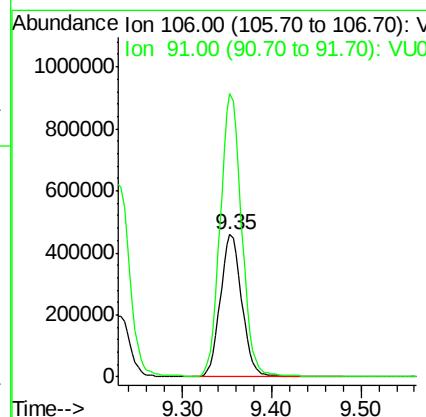
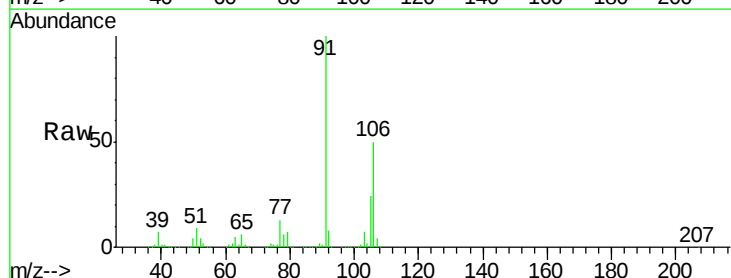
Manual Integrations
APPROVED

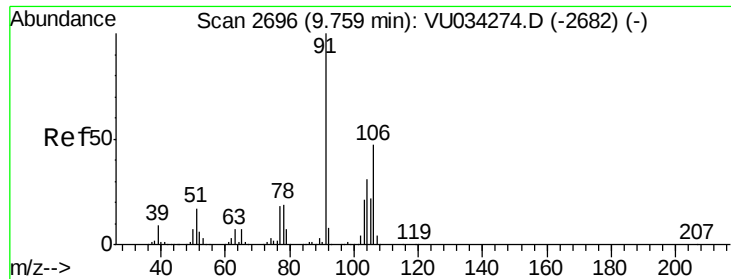
MMDadoda
9/10/2019 1:30:37 PM



#68
m/p-Xylenes
Concen: 107.203 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion: 106 Resp: 767760
Ion Ratio Lower Upper
106 100
91 198.2 160.1 240.1





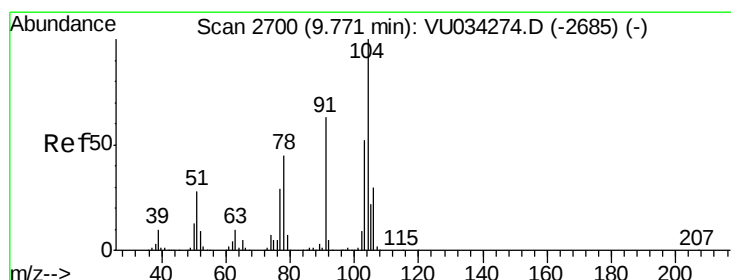
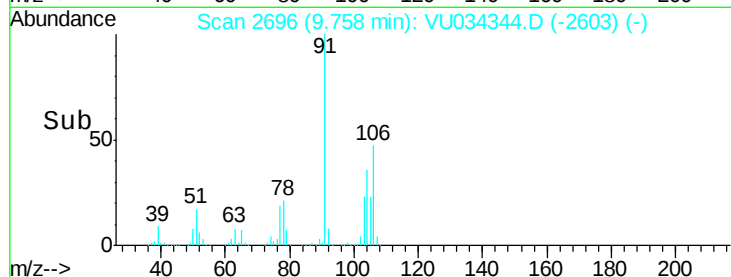
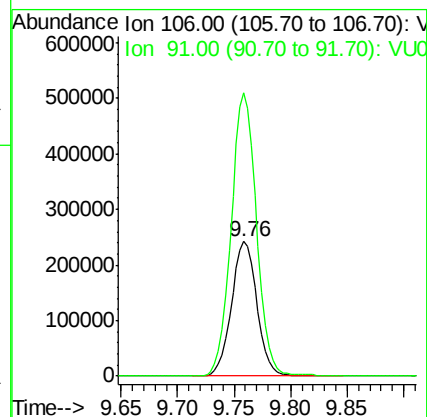
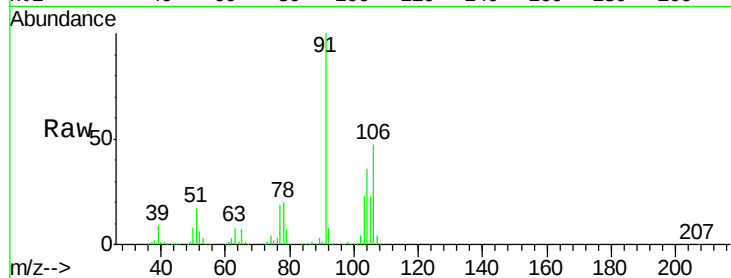
#69
o-Xylene
Concen: 54.228 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	379809		
91	91	209.0	105.1	315.3	

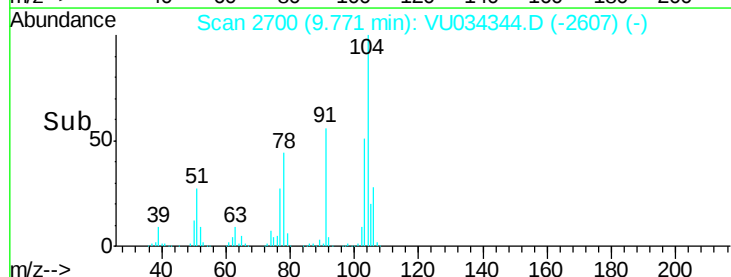
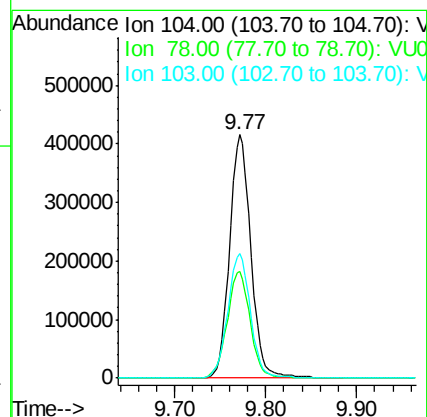
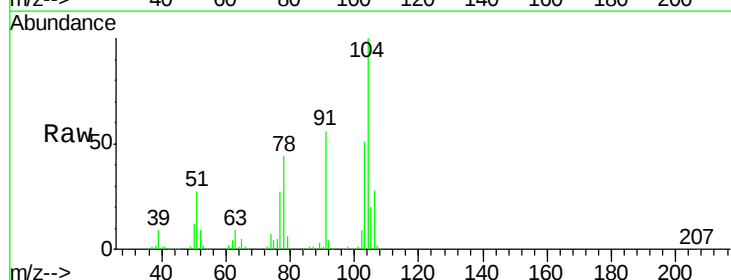
Manual Integrations
APPROVED

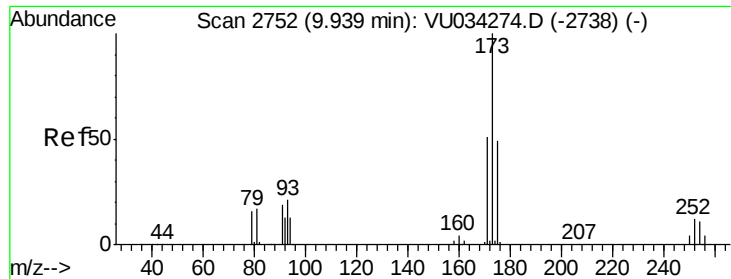
MMDadoda
9/10/2019 1:30:37 PM



#70
Styrene
Concen: 55.135 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	677038		
78	78	47.3	38.6	57.8	
103	103	54.5	44.2	66.4	





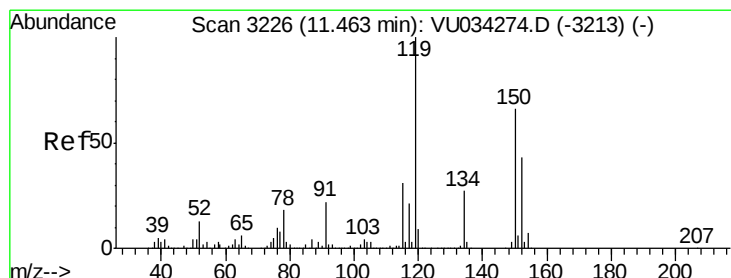
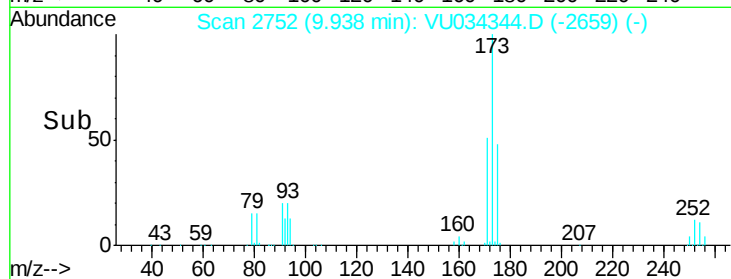
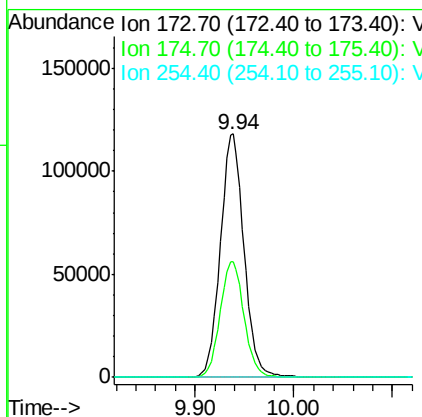
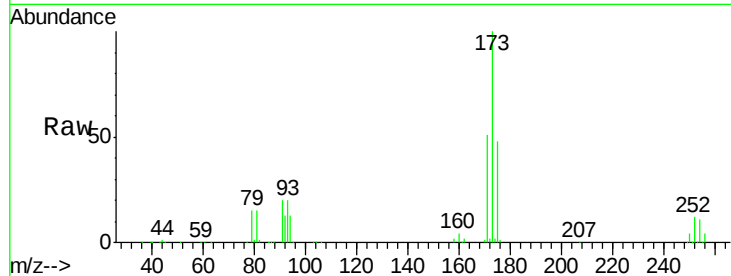
#71
Bromoform
Concen: 51.579 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.4	73.2
254	0.1	0.0	0.0#

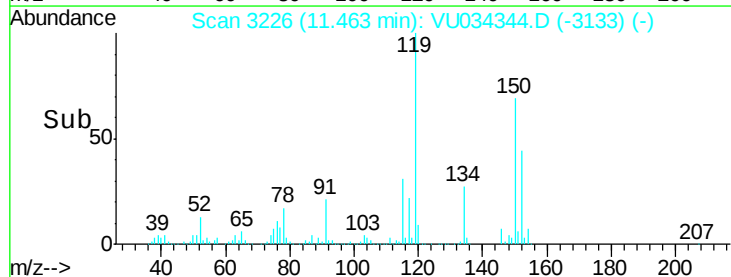
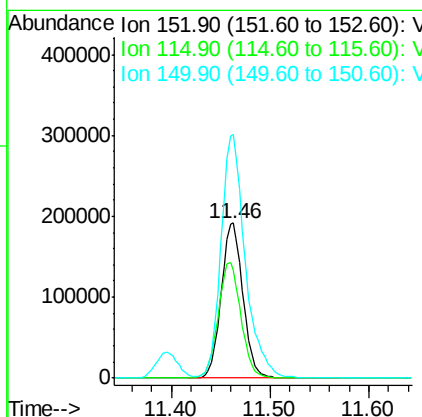
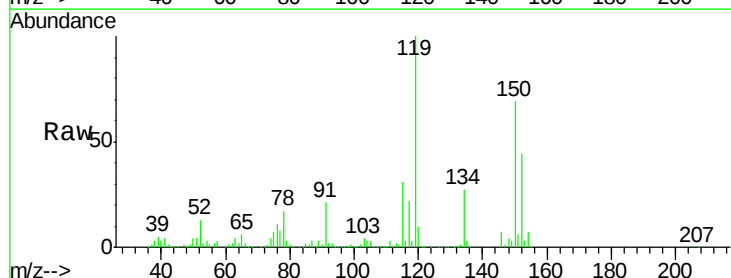
Manual Integrations
APPROVED

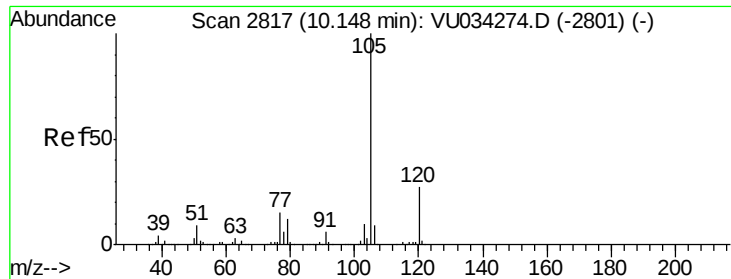
MMDadoda
9/10/2019 1:30:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.8	39.1	117.3
150	173.7	0.0	345.4





#73

Isopropylbenzene

Concen: 53.552 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1036613

Ion Ratio Lower Upper

105 100

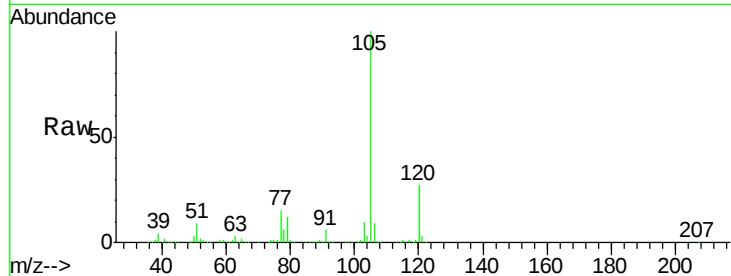
120 26.8 13.4 40.2

Manual Integrations

APPROVED

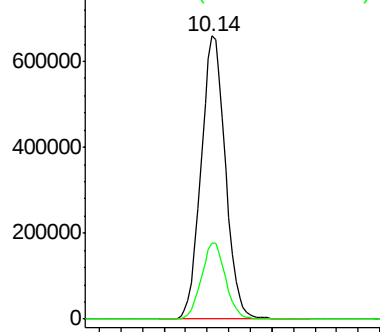
MMDadoda

9/10/2019 1:30:37 PM

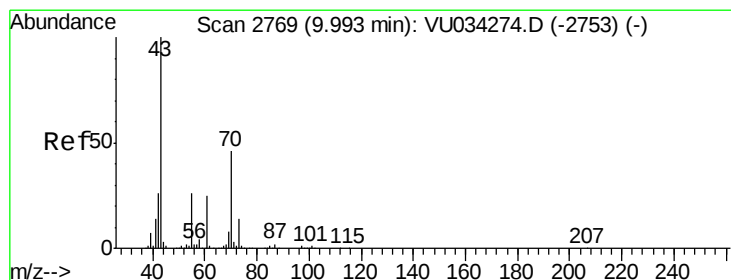
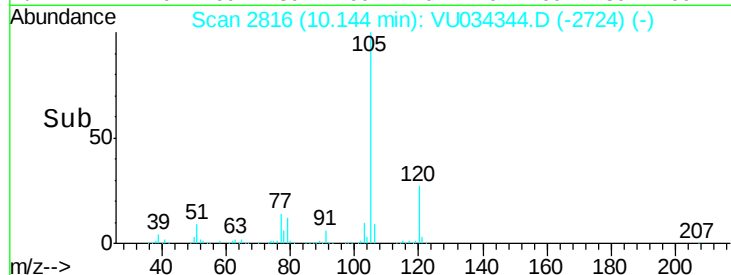


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 56.633 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion: 43 Resp: 441270

Ion Ratio Lower Upper

43 100

70 45.9 36.4 54.6

55 25.0 21.2 31.8

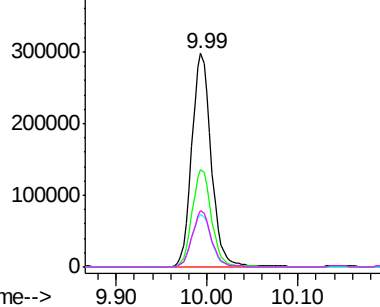
61 26.1 20.4 30.6

Abundance Ion 43.00 (42.70 to 43.70): VU0

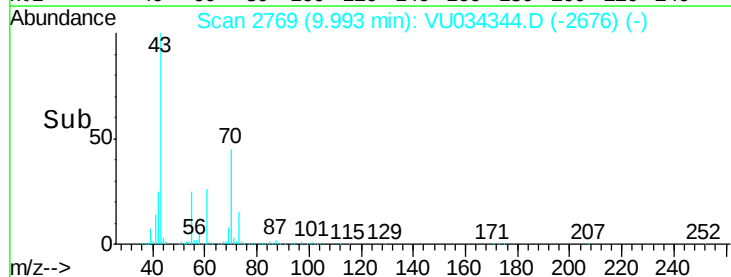
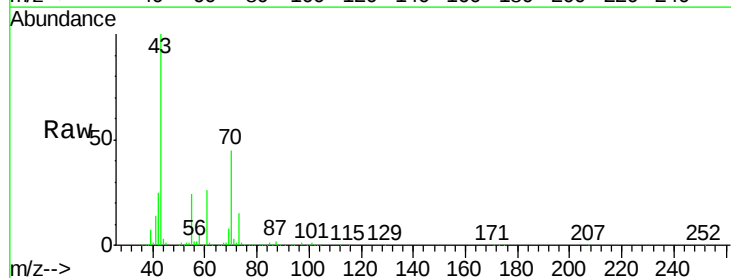
Ion 70.00 (69.70 to 70.70): VU0

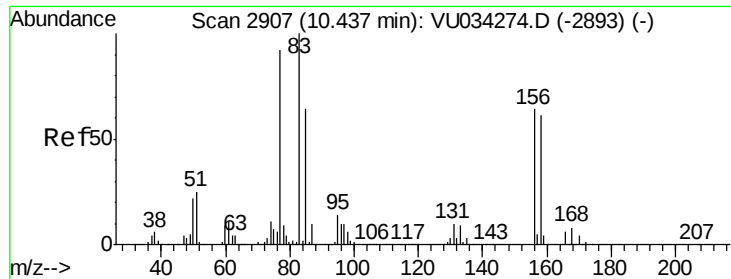
Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.594 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

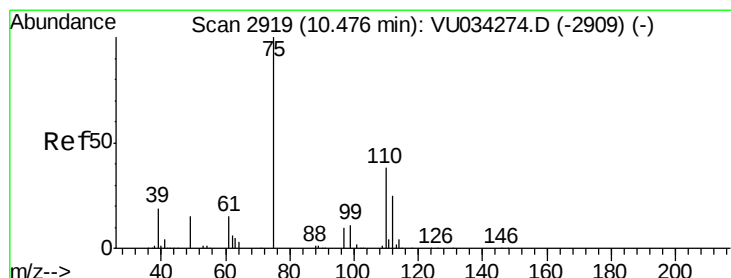
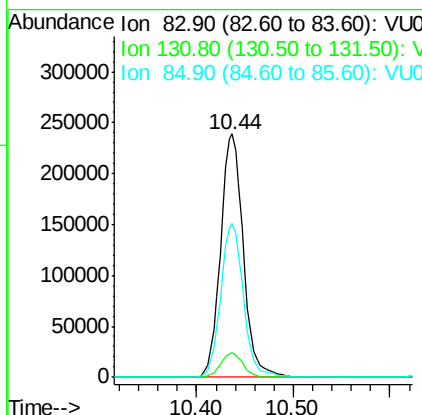
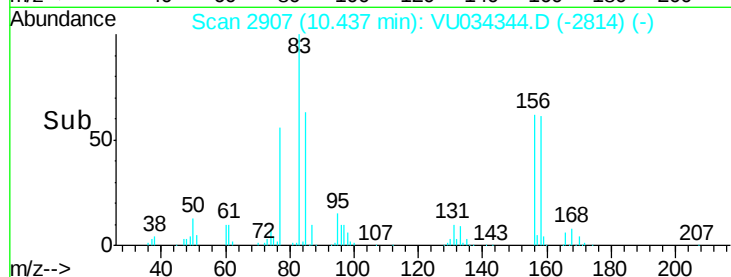
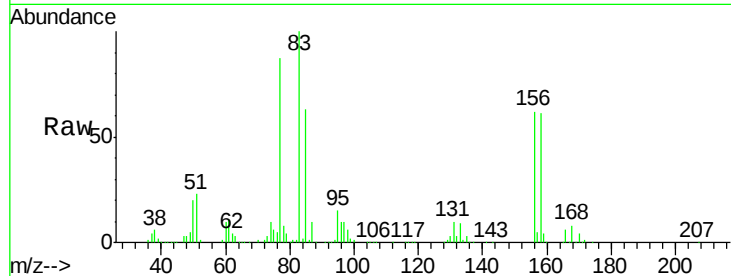
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	388581
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.2
85	63.3	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 49.414 ug/l m

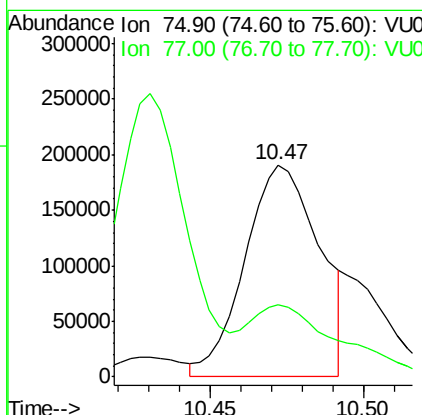
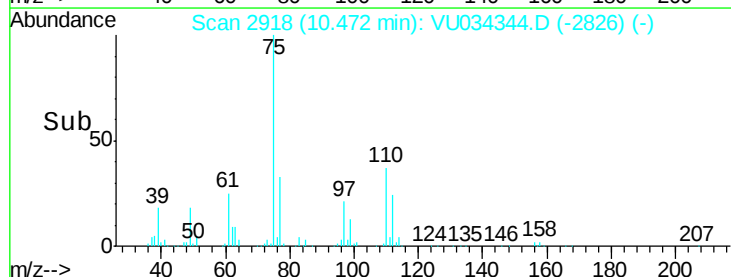
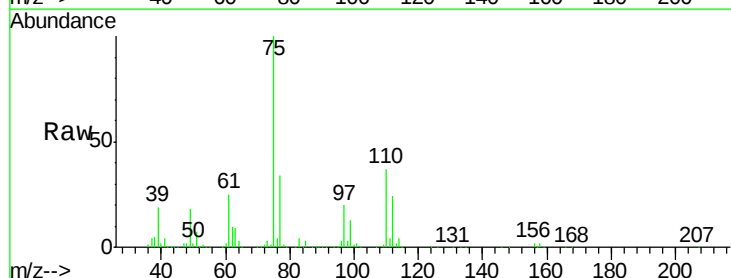
RT: 10.47 min Scan# 2918

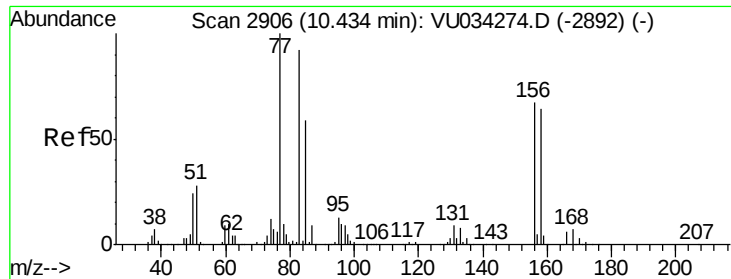
Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion:	75	Resp:	320826
Ion Ratio	Lower	Upper	
75	100		
77	40.4	20.8	62.2





#77

Bromobenzene

Concen: 51.696 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

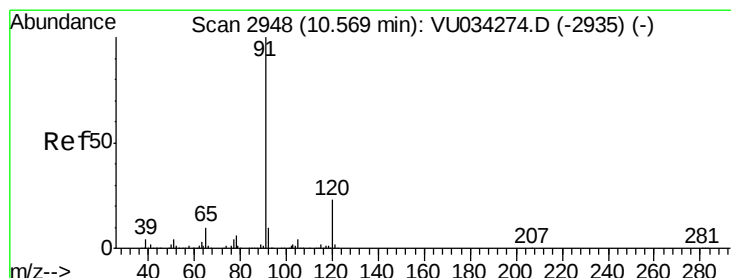
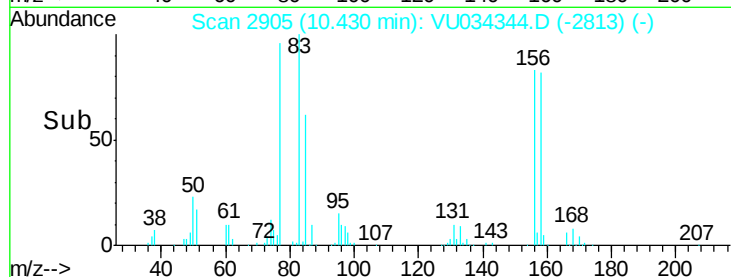
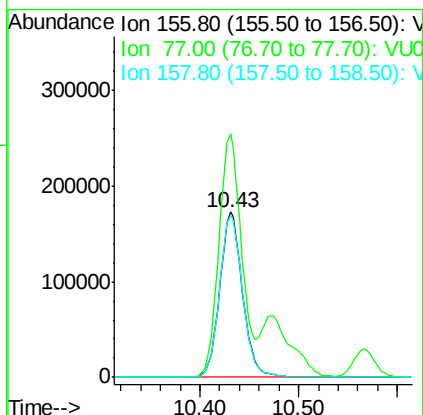
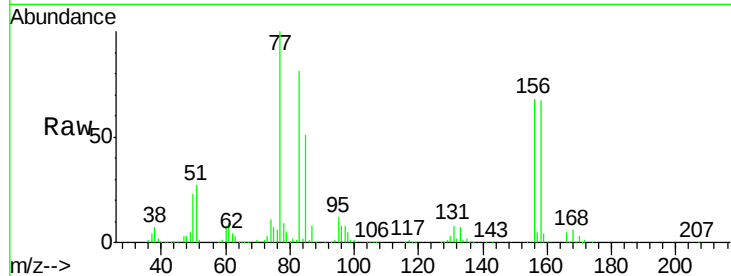
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	147.0	75.6	226.9	
158	99.2	48.2	144.6	

Manual Integrations
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#78

n-propylbenzene

Concen: 52.978 ug/l

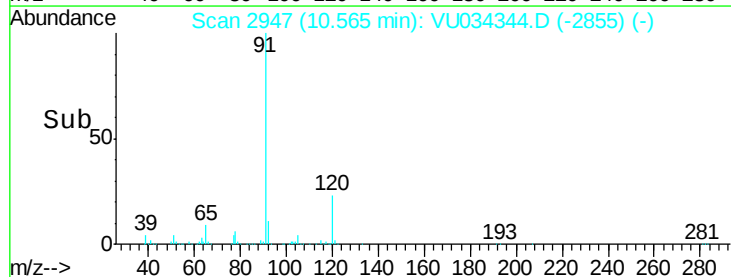
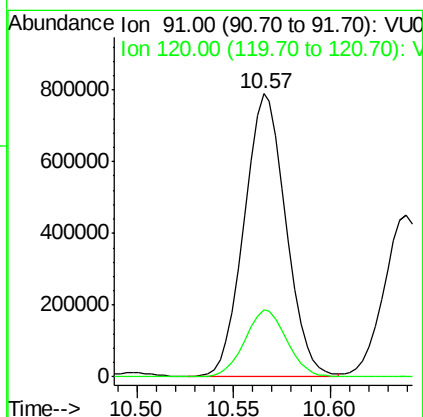
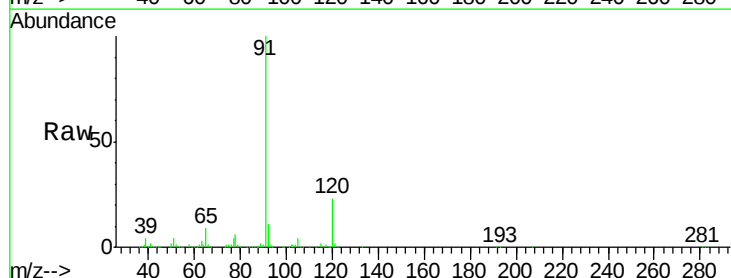
RT: 10.57 min Scan# 2947

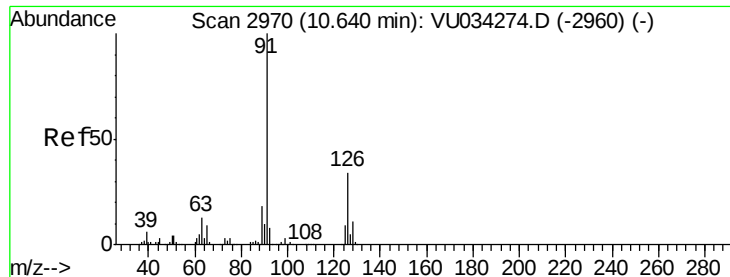
Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	11.7	35.0	





#79

2-Chlorotoluene

Concen: 52.107 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 710758

Ion Ratio Lower Upper

91 100

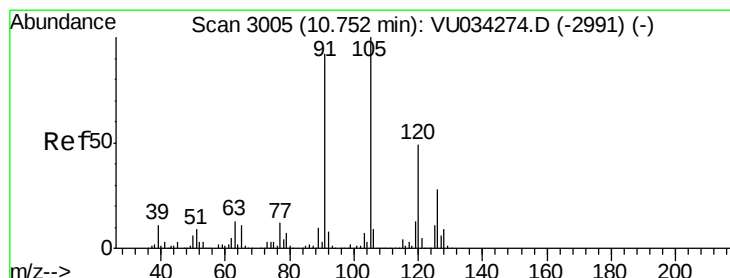
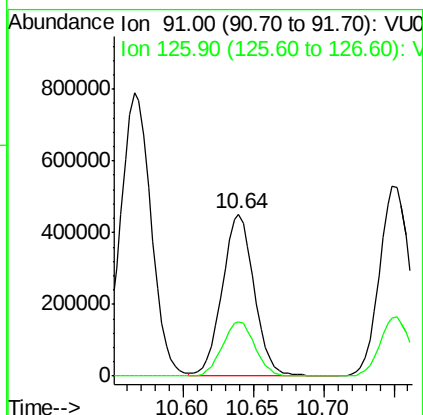
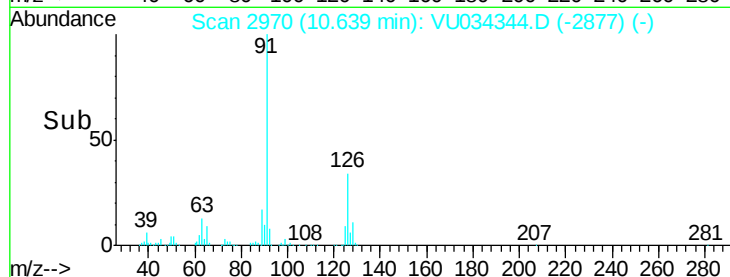
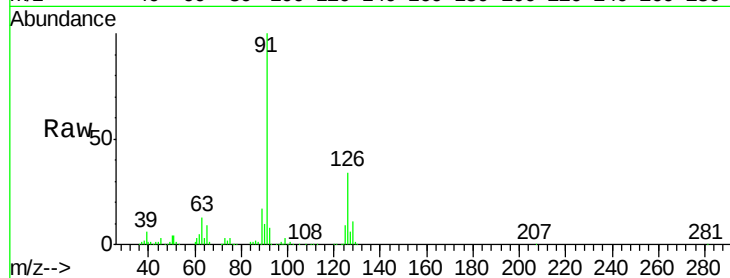
126 34.5 17.3 51.9

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#80

1,3,5-Trimethylbenzene

Concen: 54.395 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034344.D

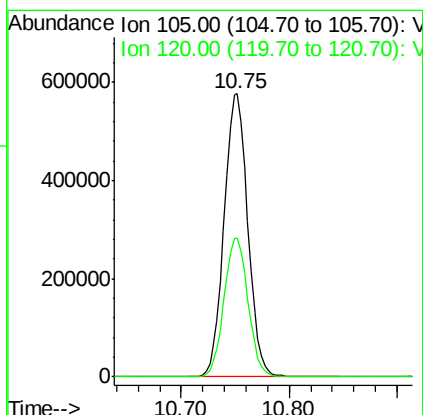
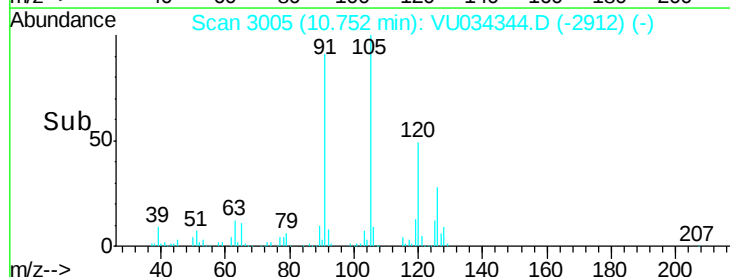
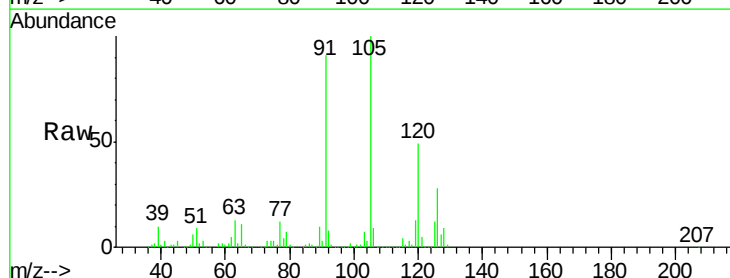
Acq: 06 Sep 2019 20:26

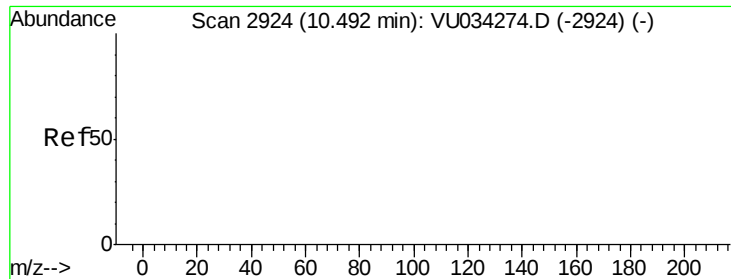
Tgt Ion: 105 Resp: 880605

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7





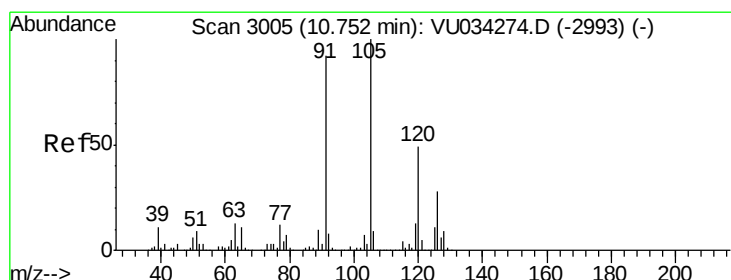
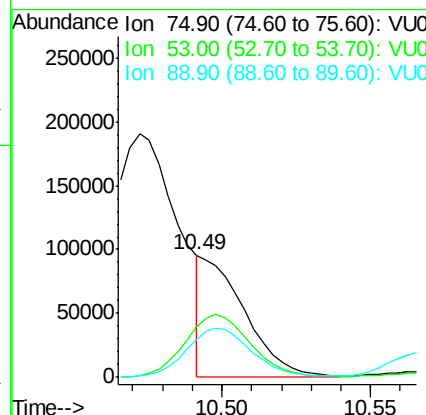
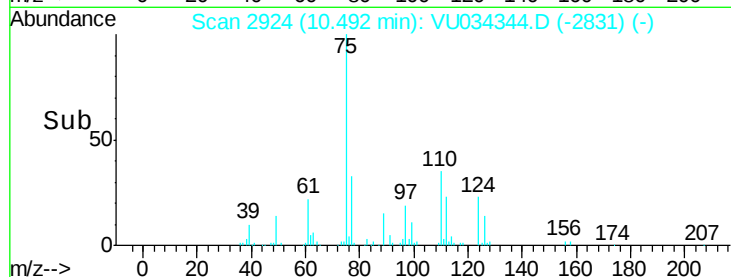
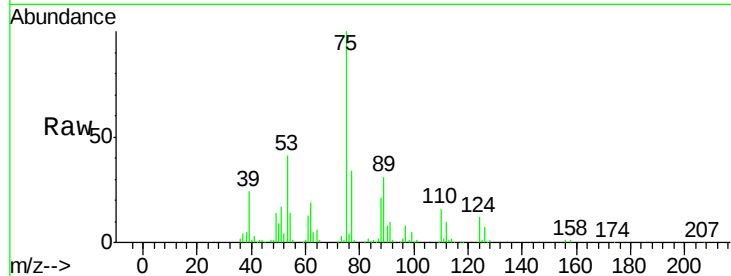
#81
trans-1,4-Dichloro-2-butene
Concen: 48.842 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

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

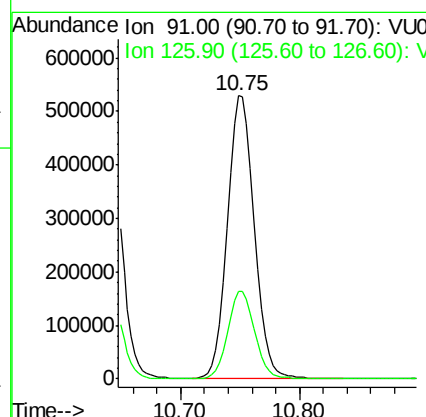
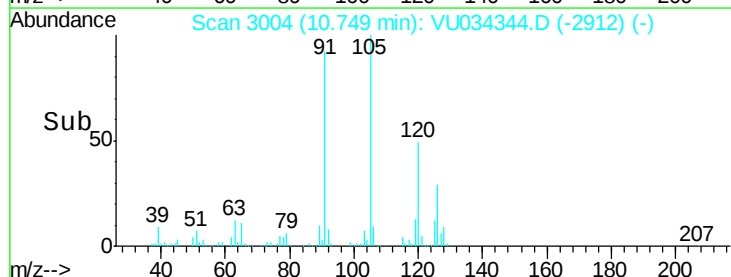
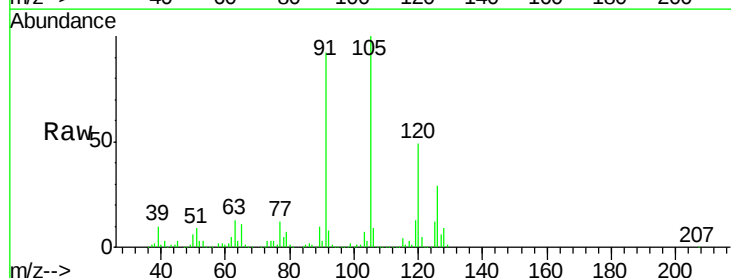
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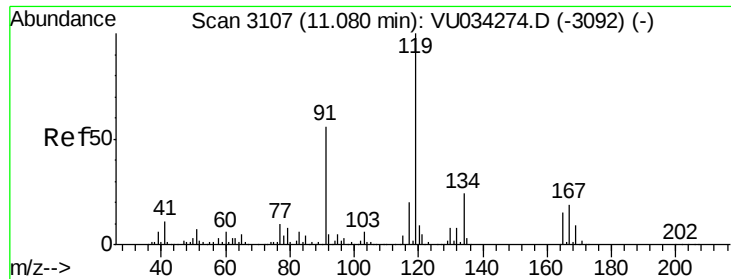
MMDadoda
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#82
4-Chlorotoluene
Concen: 52.388 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





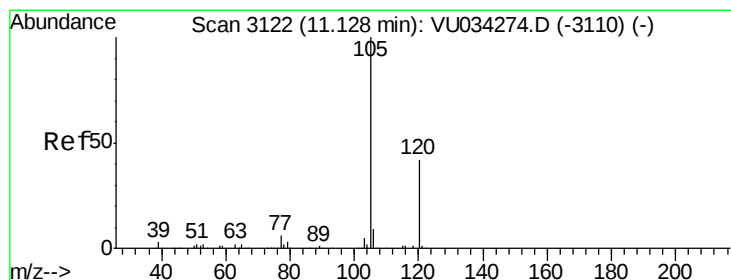
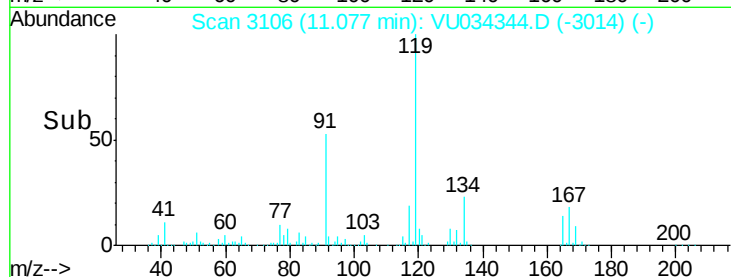
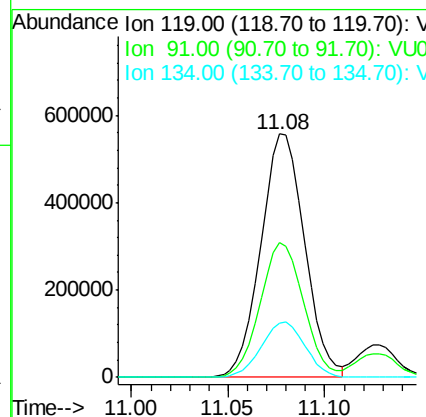
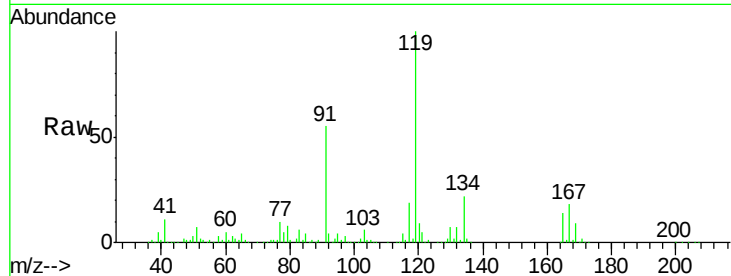
#83
tert-Butylbenzene
Concen: 54.236 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.7	27.8	83.4
134	22.8	11.7	35.0

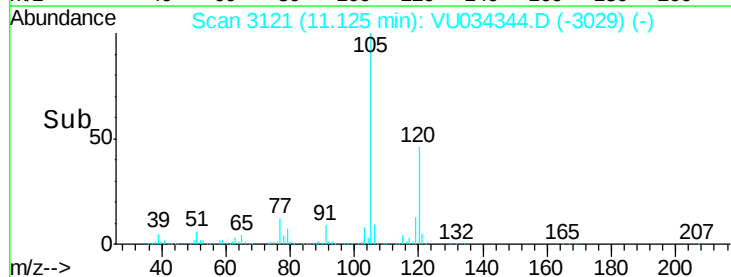
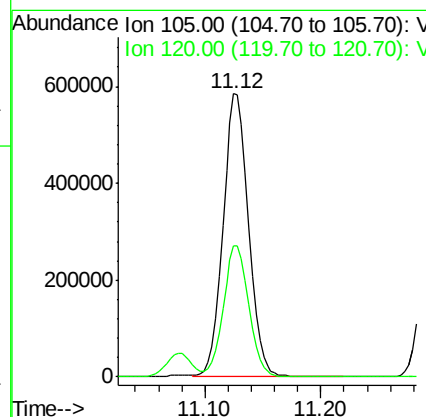
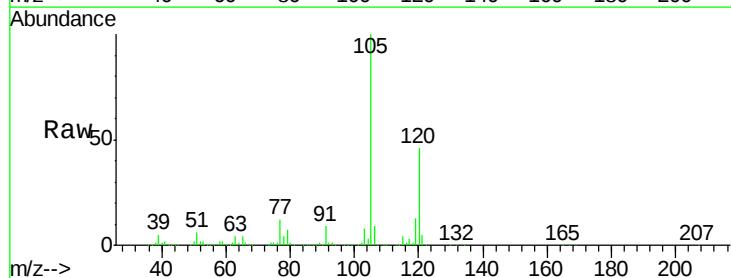
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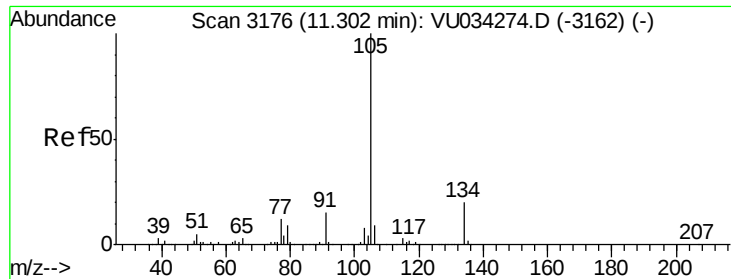
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#84
1,2,4-Trimethylbenzene
Concen: 54.753 ug/l
RT: 11.12 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.9	68.8





#85

sec-Butylbenzene

Concen: 54.497 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1041957

Ion Ratio Lower Upper

105 100

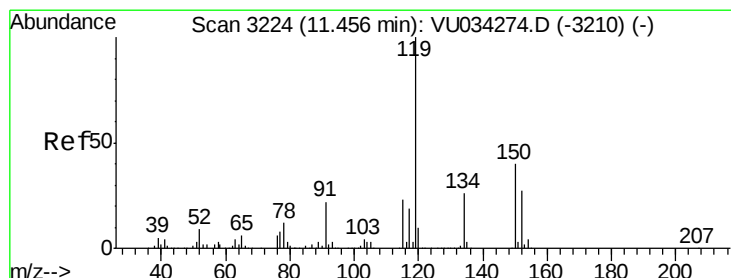
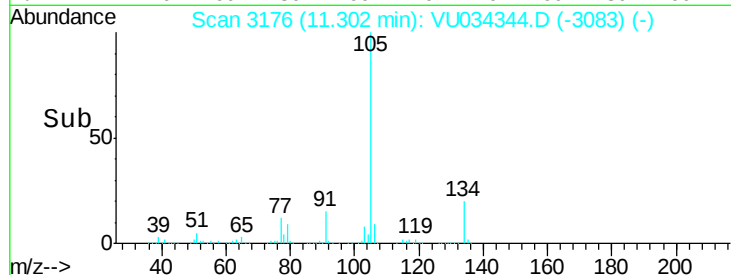
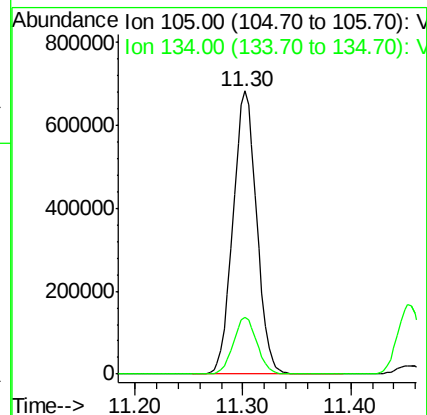
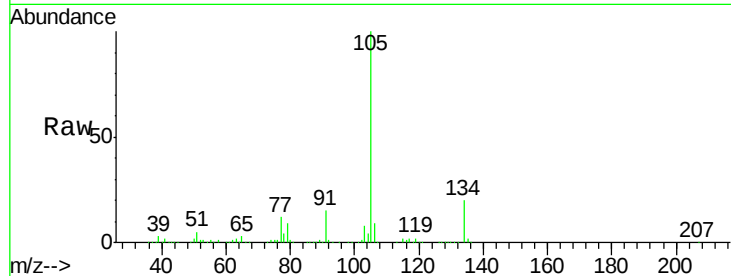
134 20.1 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 54.835 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

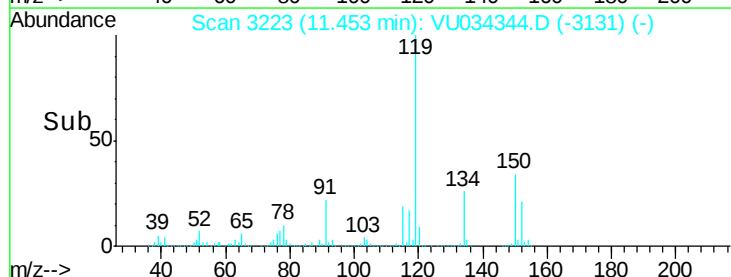
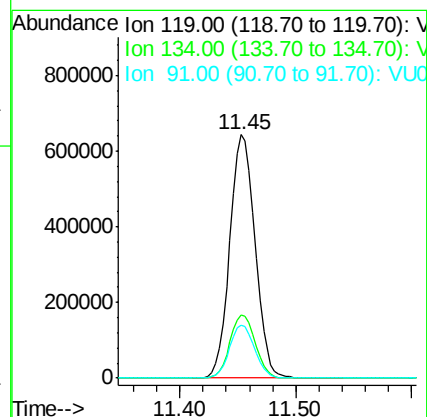
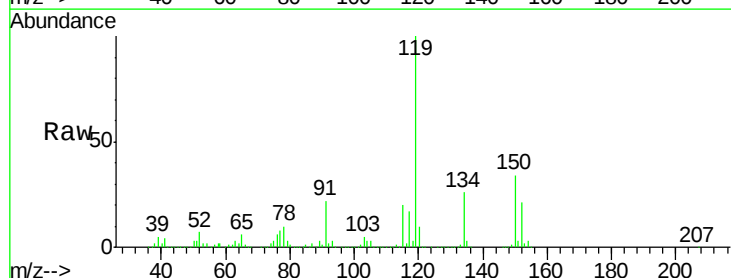
Tgt Ion:119 Resp: 967676

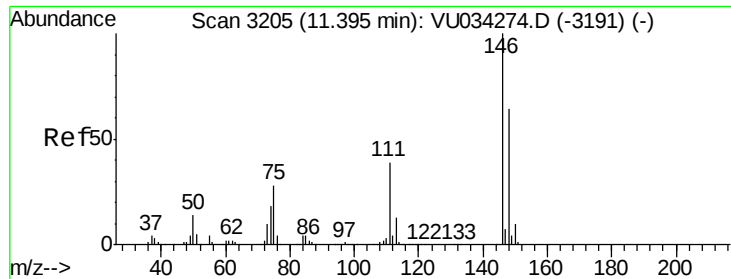
Ion Ratio Lower Upper

119 100

134 26.2 13.3 39.8

91 22.0 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 51.778 ug/l

RT: 11.40 min Scan# 3205

Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Instrument :

MSVOA_U

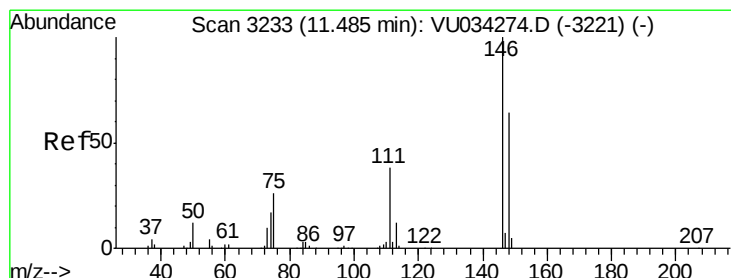
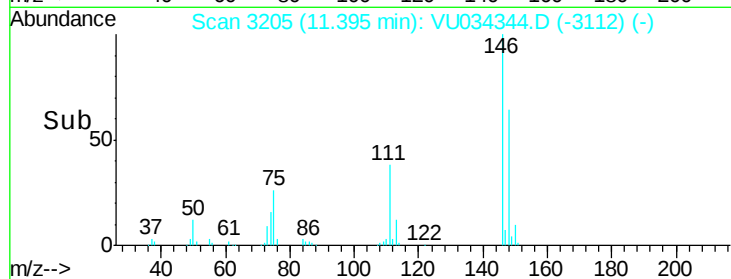
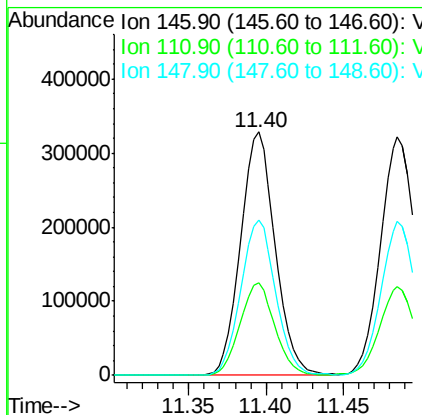
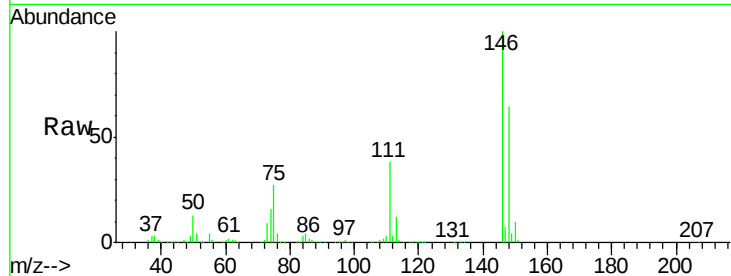
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	511390
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.5	58.5
148	64.3	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 50.067 ug/l

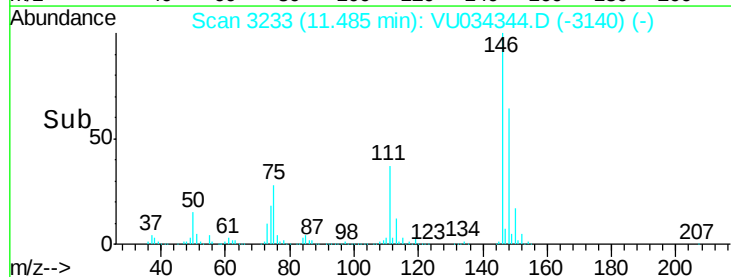
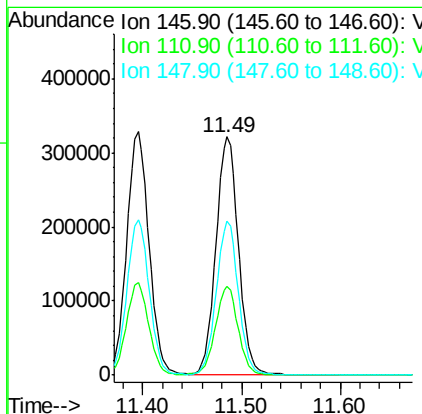
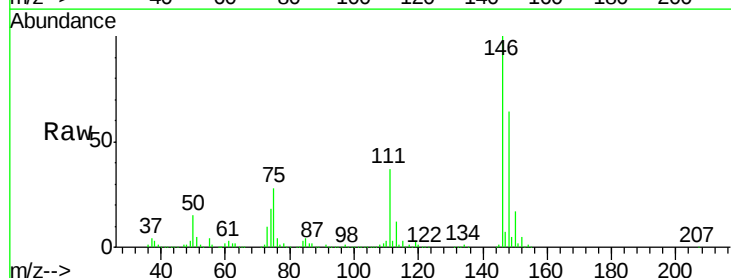
RT: 11.49 min Scan# 3233

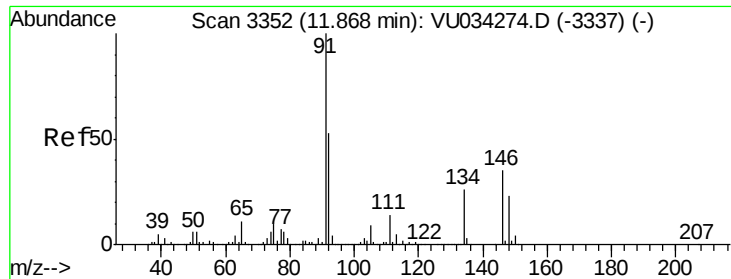
Delta R.T. -0.00 min

Lab File: VU034344.D

Acq: 06 Sep 2019 20:26

Tgt Ion:	146	Resp:	515770
Ion Ratio	Lower	Upper	
146	100		
111	37.2	19.1	57.3
148	63.4	32.0	96.0





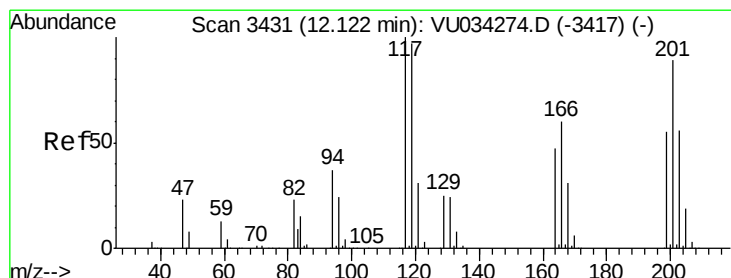
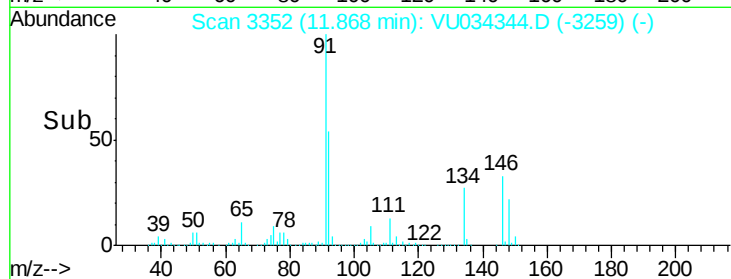
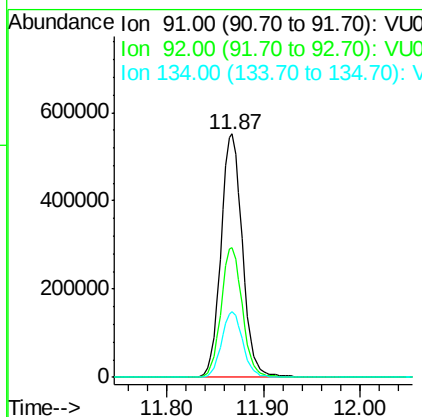
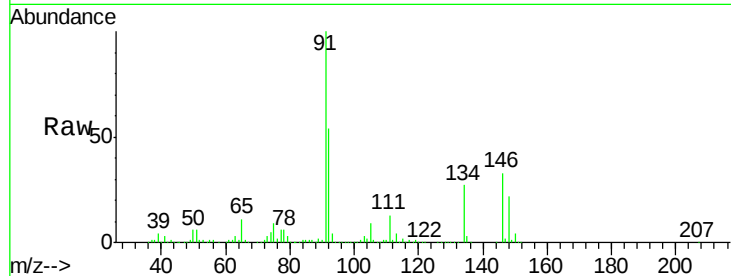
#89
n-Butylbenzene
Concen: 55.489 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	26.8	13.2	39.6

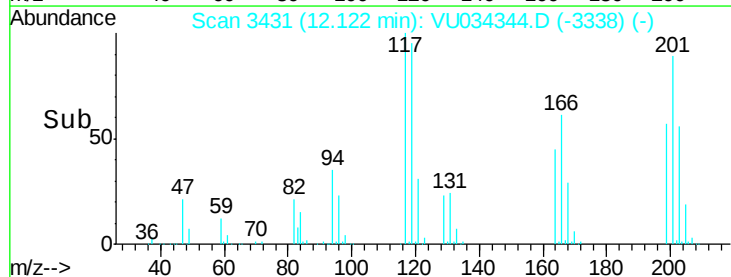
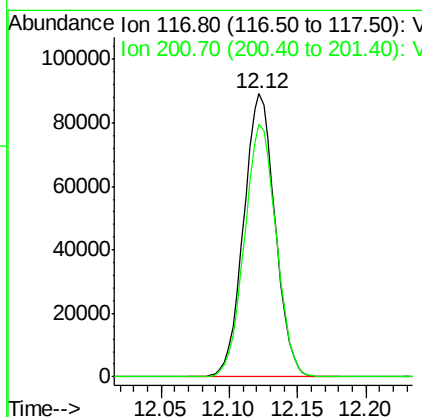
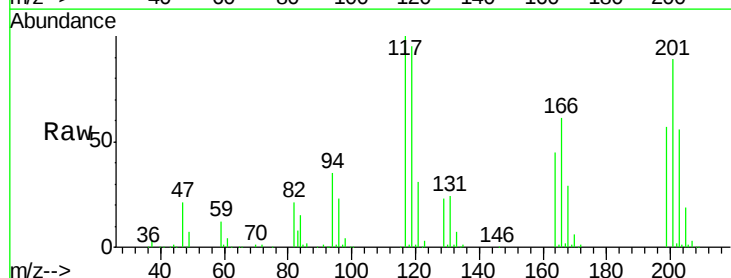
Manual Integrations
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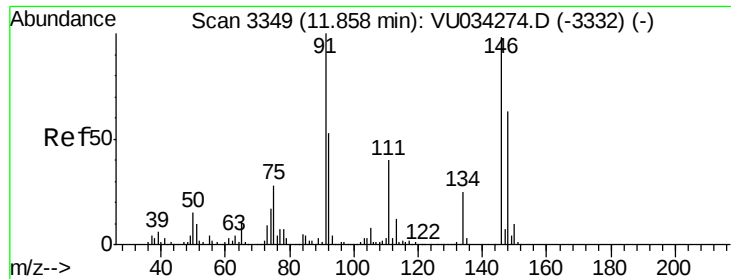
MMDadoda
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#90
Hexachloroethane
Concen: 50.446 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.3	44.1	132.4





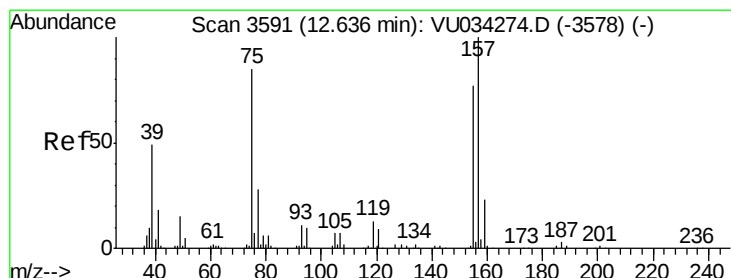
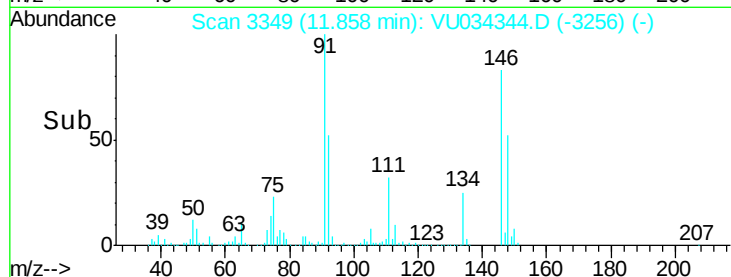
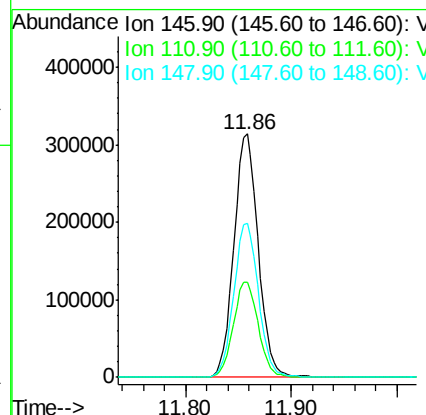
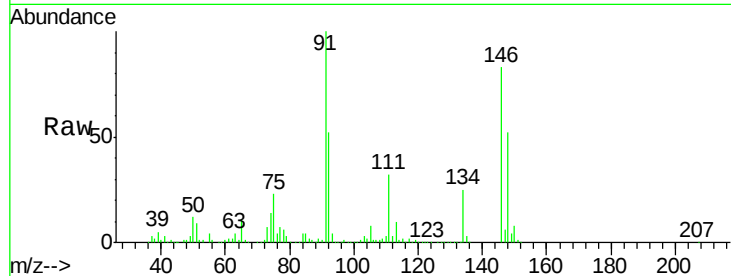
#91
 1,2-Dichlorobenzene
 Concen: 51.539 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.0	60.0
148	64.2	31.6	94.8

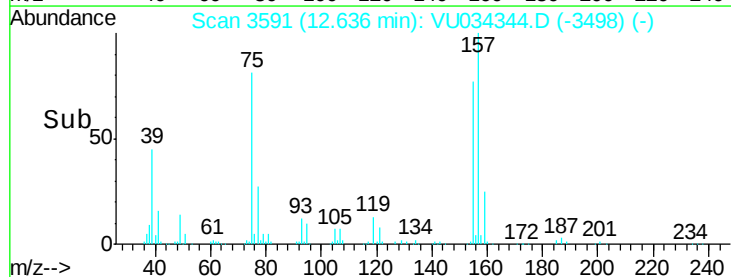
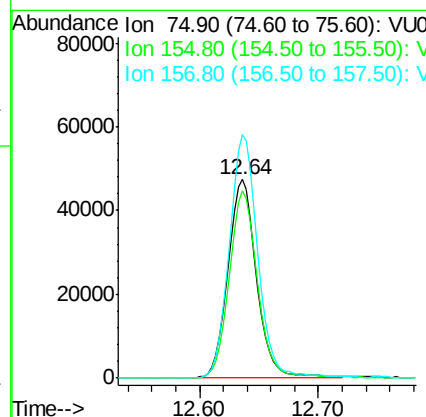
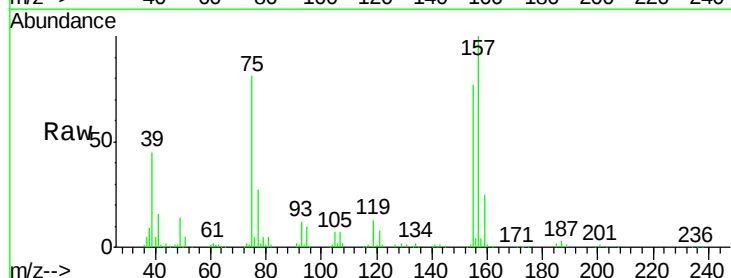
Manual Integrations
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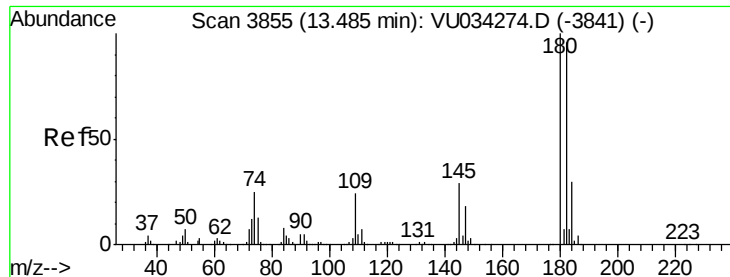
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.886 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	44.6	134.0
157	121.7	58.2	174.6





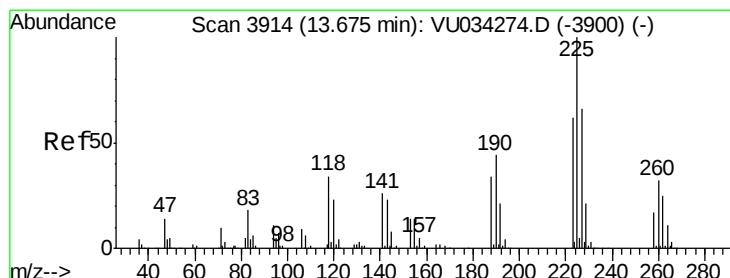
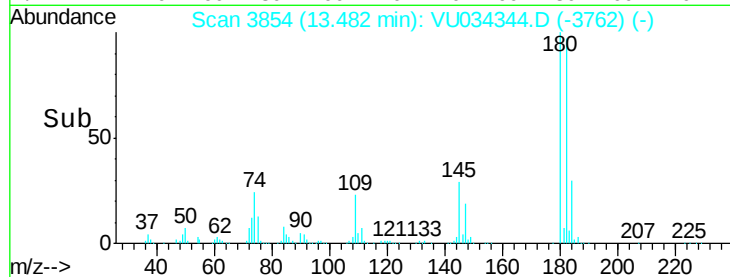
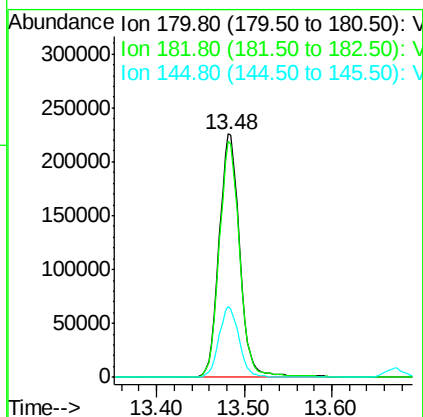
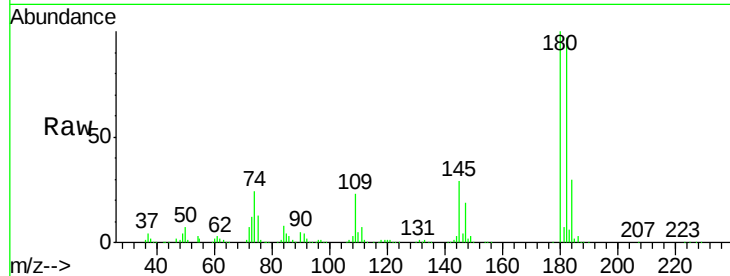
#93
 1,2,4-Trichlorobenzene
 Concen: 52.240 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	368926		
182	96.0		47.9	143.8
145	28.3		14.4	43.0

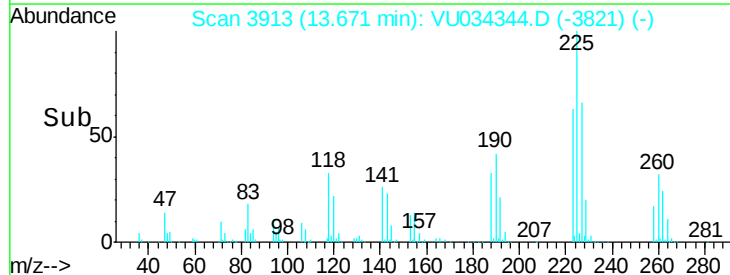
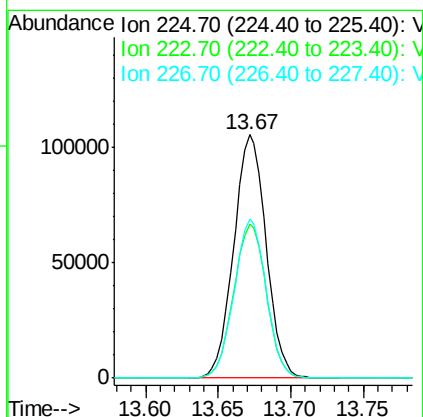
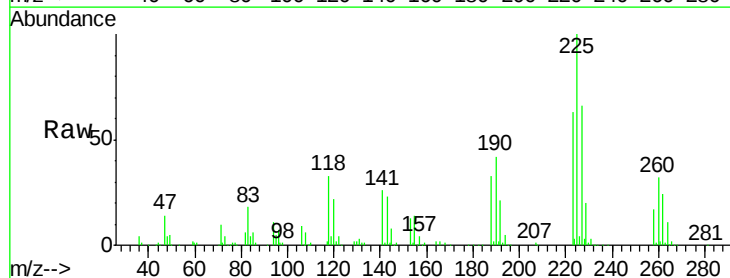
Manual Integrations
 APPROVED

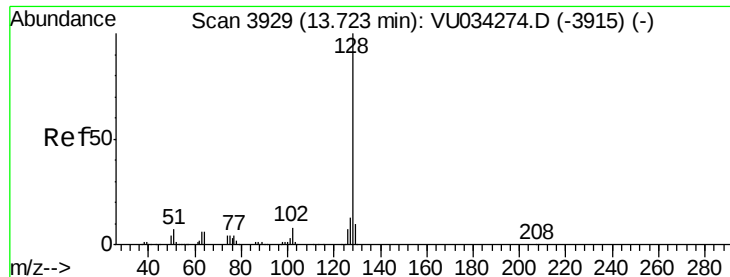
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#94
 Hexachlorobutadiene
 Concen: 48.132 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034344.D
 Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163424		
223	63.7		31.6	94.7
227	64.7		32.3	96.8





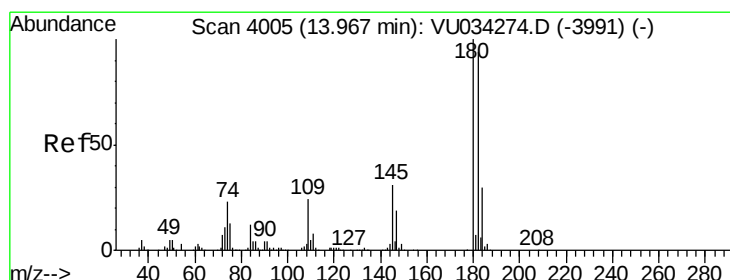
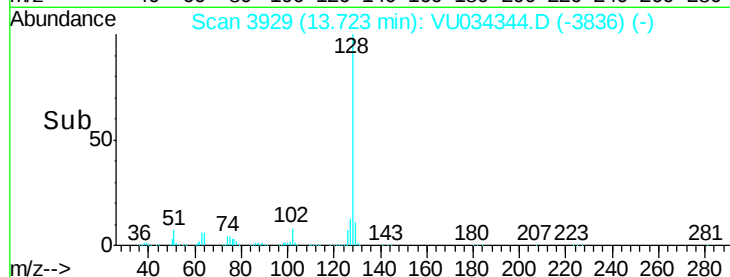
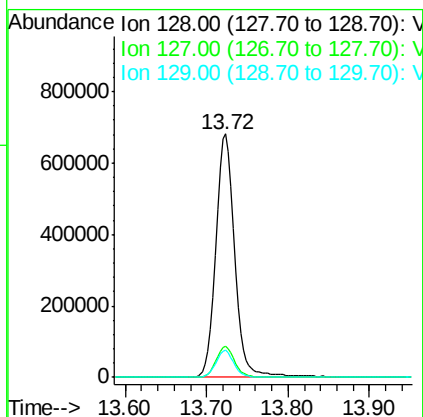
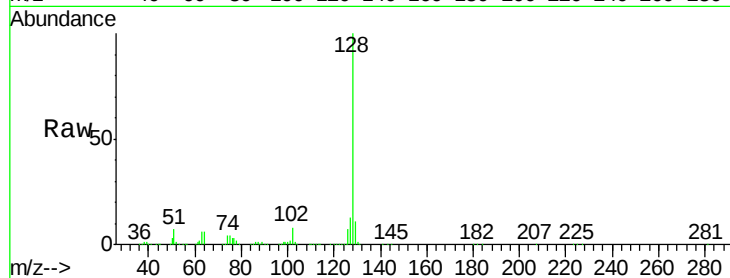
#95
Naphthalene
Concen: 56.252 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.313 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034344.D
Acq: 06 Sep 2019 20:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	48.4	145.0
145	30.3	15.4	46.4

