

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090519\
 Data File : VU034243.D
 Acq On : 04 Sep 2019 09:24
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/5/2019 5:00:59 PM

Quant Time: Sep 05 04:30:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 04:11:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	380400	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	564746	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	545549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	308971	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	231648	47.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.06%	
35) Dibromofluoromethane	4.86	113	202763	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	7.54	98	768870	52.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.84%	
62) 4-Bromofluorobenzene	10.29	95	294064	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	169762	44.373	ug/l	99
3) Chloromethane	1.32	50	206534	40.005	ug/l	100
4) Vinyl Chloride	1.40	62	217050	42.627	ug/l	98
5) Bromomethane	1.61	94	118123	47.957	ug/l	98
6) Chloroethane	1.68	64	133172	42.780	ug/l	98
7) Trichlorofluoromethane	1.87	101	271325	45.988	ug/l	99
8) Diethyl Ether	2.09	74	118124	46.801	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.27	101	180016	48.163	ug/l	98
10) Methyl Iodide	2.40	142	163652	30.866	ug/l	99
11) Tert butyl alcohol	2.81	59	234140	208.306	ug/l	100
12) 1,1-Dichloroethene	2.27	96	174436	45.806	ug/l	98
13) Acrolein	2.18	56	76721	162.254	ug/l	99
14) Allyl chloride	2.58	41	322274m	45.010	ug/l	
15) Acrylonitrile	2.92	53	607463	235.517	ug/l	99
16) Acetone	2.31	43	647220	260.237	ug/l	98
17) Carbon Disulfide	2.46	76	468725	38.890	ug/l	99
18) Methyl Acetate	2.60	43	286631	44.598	ug/l	100
19) Methyl tert-butyl Ether	2.98	73	594784	47.668	ug/l	99
20) Methylene Chloride	2.68	84	212013	45.030	ug/l	98
21) trans-1,2-Dichloroethene	2.96	96	187265	45.310	ug/l	99
22) Diisopropyl ether	3.55	45	633171	48.260	ug/l	99
23) Vinyl Acetate	3.50	43	2655986	235.656	ug/l	99
24) 1,1-Dichloroethane	3.42	63	359235	46.377	ug/l	99
25) 2-Butanone	4.23	43	858460	248.100	ug/l	99
26) 2,2-Dichloropropane	4.20	77	299277	47.482	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	214245	46.184	ug/l	98
28) Bromochloromethane	4.52	49	189802	49.735	ug/l	97
29) Tetrahydrofuran	4.61	42	503730	236.065	ug/l	99
30) Chloroform	4.65	83	353204	45.702	ug/l	98
31) Cyclohexane	4.97	56	303110	41.644	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	294026	46.452	ug/l	99
36) 1,1-Dichloropropene	5.11	75	255824	47.891	ug/l	100
37) Ethyl Acetate	4.35	43	286027	47.816	ug/l	100
38) Carbon Tetrachloride	5.11	117	252780	49.024	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	302520	48.050	ug/l	99
40) Benzene	5.37	78	787120	48.703	ug/l	100
41) Methacrylonitrile	4.52	41	157744	51.419	ug/l	99
42) 1,2-Dichloroethane	5.38	62	266421	47.738	ug/l	98
43) Isopropyl Acetate	5.53	43	439226	48.264	ug/l	100
44) Trichloroethene	6.16	130	210761	49.660	ug/l	98
45) 1,2-Dichloropropane	6.41	63	221797	49.854	ug/l	99
46) Dibromomethane	6.54	93	142805	49.822	ug/l	99
47) Bromodichloromethane	6.74	83	283573	50.567	ug/l	100
48) Methyl methacrylate	6.60	41	215415	49.053	ug/l	97
49) 1,4-Dioxane	6.59	88	102060	927.564	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	1508314	239.993	ug/l	99
52) Toluene	7.62	92	497940	50.014	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	307131	49.359	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	343159	50.479	ug/l	97
55) 1,1,2-Trichloroethane	8.05	97	213057	50.592	ug/l	99
56) Ethyl methacrylate	8.00	69	309072	44.357	ug/l	98
57) 1,3-Dichloropropane	8.22	76	350242	48.981	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	588548	252.617	ug/l	99
59) 2-Hexanone	8.34	43	1190213	250.862	ug/l	100
60) Dibromochloromethane	8.46	129	227395	50.303	ug/l	99
61) 1,2-Dibromoethane	8.57	107	216310	48.760	ug/l	100
64) Tetrachloroethene	8.21	164	187561	51.194	ug/l	99
65) Chlorobenzene	9.10	112	549197	48.918	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	200232	49.185	ug/l	99
67) Ethyl Benzene	9.23	91	945862	49.701	ug/l	99
68) m/p-Xylenes	9.36	106	747098	103.243	ug/l	99
69) o-Xylene	9.76	106	348016	50.128	ug/l	99
70) Styrene	9.77	104	634772	53.325	ug/l	99
71) Bromoform	9.94	173	175421	49.596	ug/l #	99
73) Isopropylbenzene	10.15	105	965209	46.508	ug/l	100
74) N-amyl acetate	9.99	43	402958	46.165	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	353775	44.537	ug/l	100
76) 1,2,3-Trichloropropane	10.48	75	312289m	44.846	ug/l	
77) Bromobenzene	10.43	156	252903	45.301	ug/l	99
78) n-propylbenzene	10.57	91	1146688	47.444	ug/l	100
79) 2-Chlorotoluene	10.64	91	669595	46.189	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	851796	48.426	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	82729m	40.003	ug/l	
82) 4-Chlorotoluene	10.75	91	789665	47.363	ug/l	99
83) tert-Butylbenzene	11.08	119	793239	45.810	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	855909	49.003	ug/l	99
85) sec-Butylbenzene	11.31	105	986475	47.532	ug/l	100
86) p-Isopropyltoluene	11.46	119	924444	49.250	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	475071	48.067	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	478027	47.825	ug/l	100
89) n-Butylbenzene	11.87	91	835208	50.469	ug/l	100
90) Hexachloroethane	12.12	117	141782	43.689	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	462665	48.868	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71169	44.973	ug/l	97

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Quant Time: Sep 05 04:30:42 2019
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Quant Title : SW846 8260
QLast Update : Thu Aug 29 04:11:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	322982	48.007	ug/l	99
94) Hexachlorobutadiene	13.67	225	166663	45.000	ug/l	98
95) Naphthalene	13.72	128	874565	45.515	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	321516	53.013	ug/l	99

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

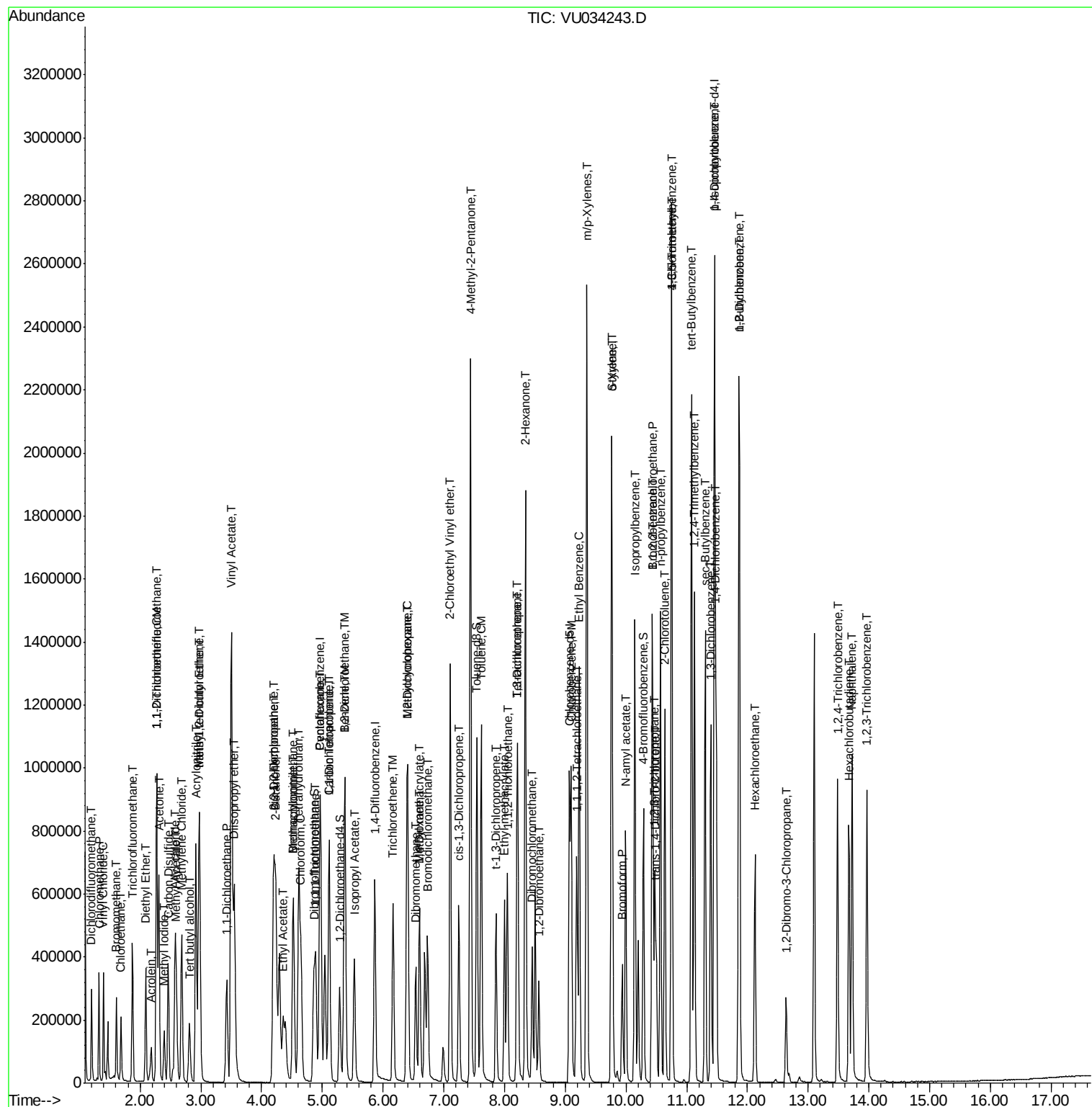
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 Acq On : 04 Sep 2019 09:24
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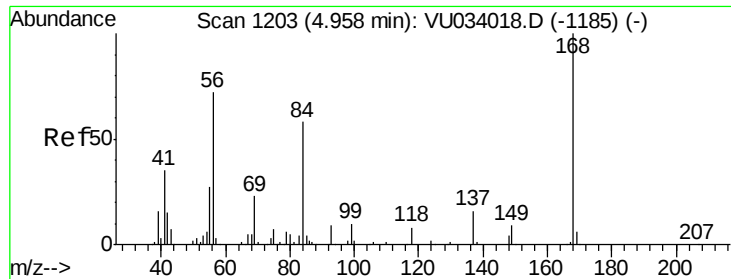
Instrument :
 MSVOA_U
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 380400

Ion Ratio Lower Upper

168 100

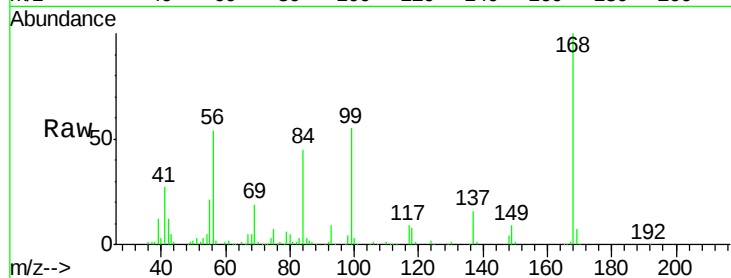
99 54.1 42.3 63.5

Manual Integrations

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9/5/2019 5:00:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.96

150000

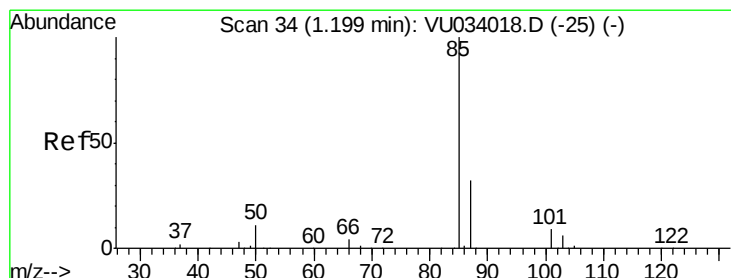
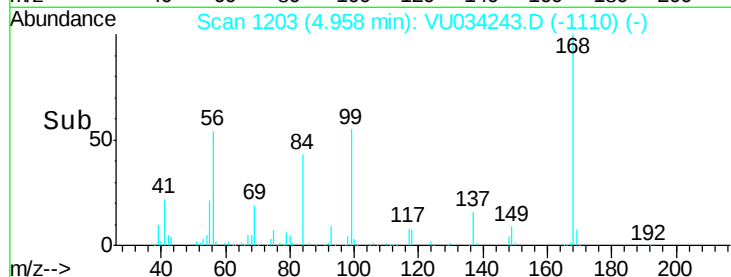
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50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.373 ug/l

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034243.D

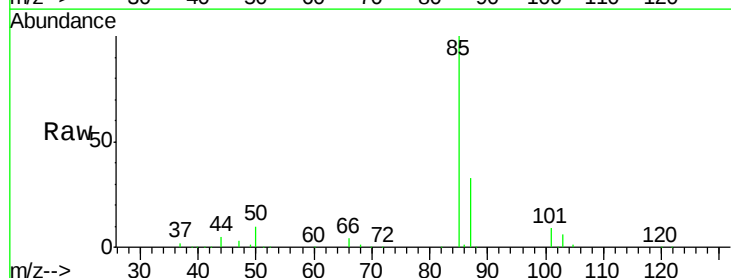
Acq: 04 Sep 2019 09:24

Tgt Ion: 85 Resp: 169762

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.20

150000

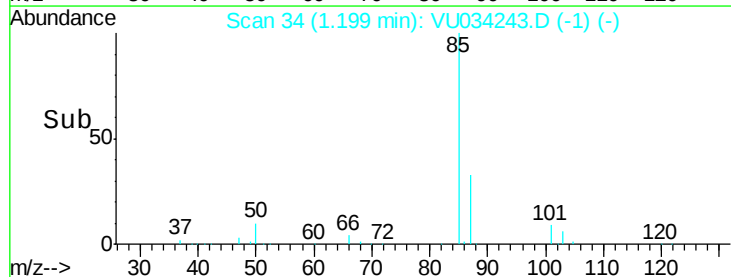
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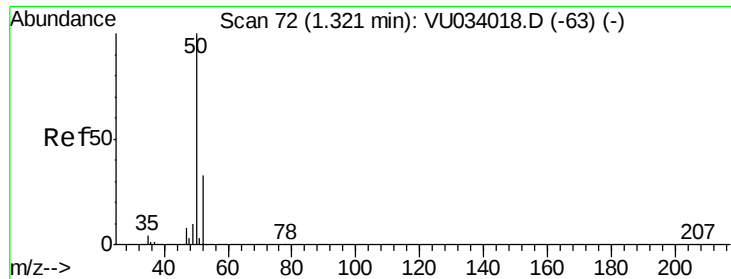
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 40.005 ug/l

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 206534

Ion Ratio Lower Upper

50 100

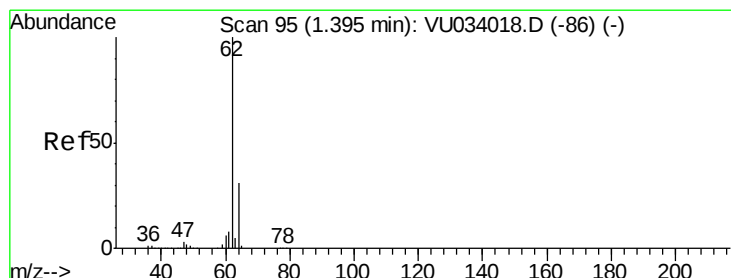
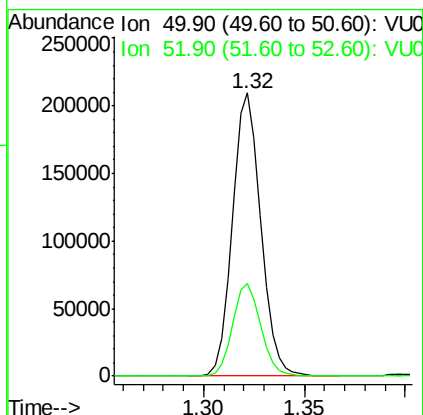
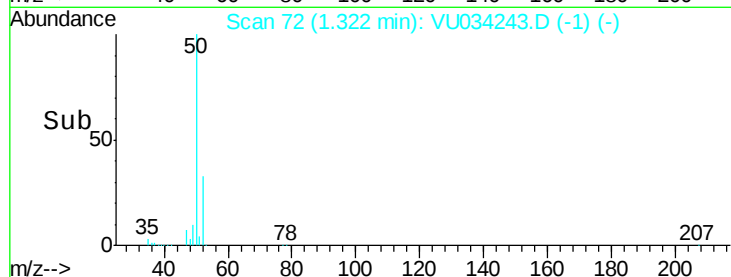
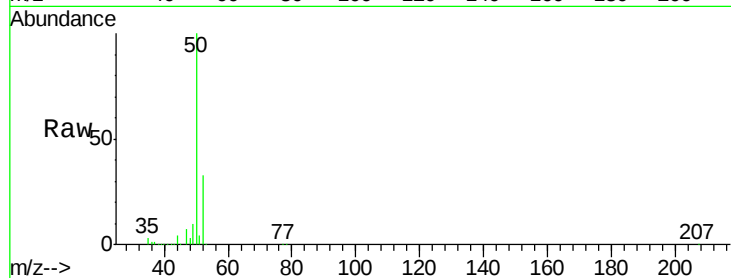
52 32.8 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.627 ug/l

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034243.D

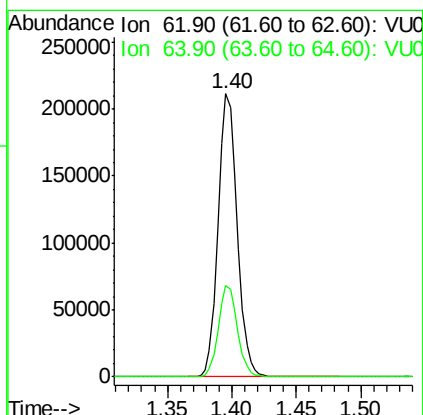
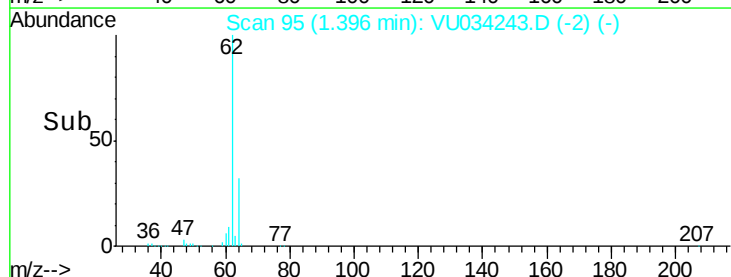
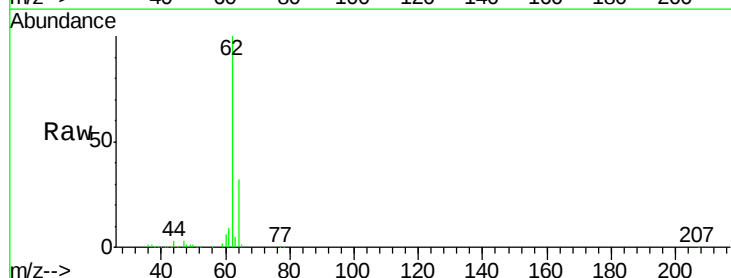
Acq: 04 Sep 2019 09:24

Tgt Ion: 62 Resp: 217050

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6





#5

Bromomethane

Concen: 47.957 ug/l

RT: 1.61 min Scan# 161

Delta R.T. 0.01 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 118123

Ion Ratio Lower Upper

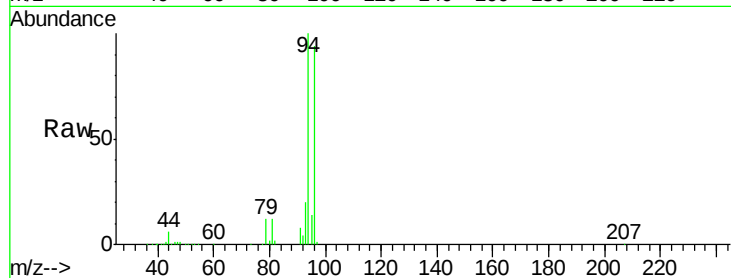
94 100

96 93.5 76.3 114.5

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VU034018.D (-143) (-)

Ion 95.90 (95.60 to 96.60): VU034018.D (-143) (-)

1.61

100000

80000

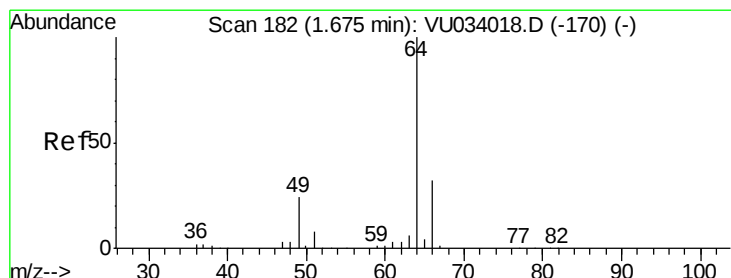
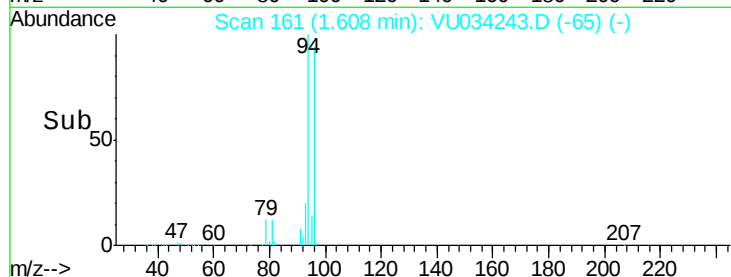
60000

40000

20000

0

Time--> 1.50 1.60 1.70



#6

Chloroethane

Concen: 42.780 ug/l

RT: 1.68 min Scan# 185

Delta R.T. 0.01 min

Lab File: VU034243.D

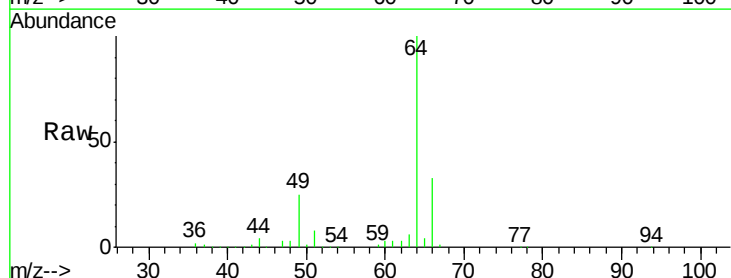
Acq: 04 Sep 2019 09:24

Tgt Ion: 64 Resp: 133172

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VU034018.D (-170) (-)

Ion 65.90 (65.60 to 66.60): VU034018.D (-170) (-)

1.68

120000

100000

80000

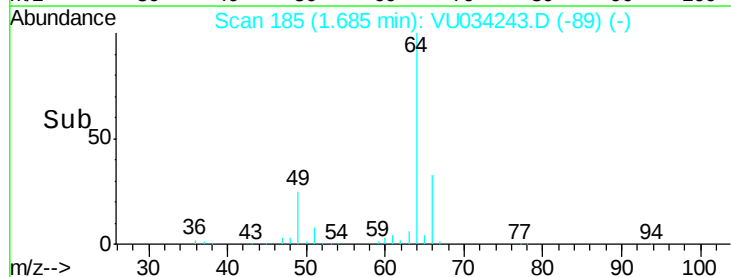
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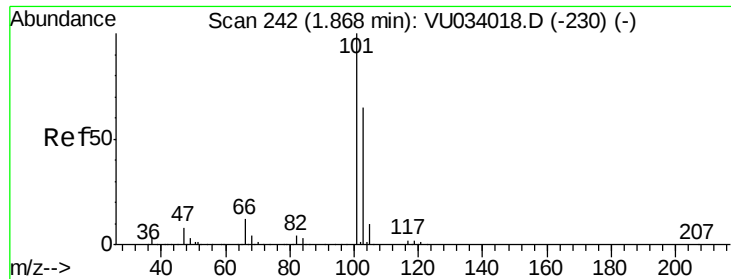
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20000

0

Time--> 1.60 1.65 1.70 1.75





#7

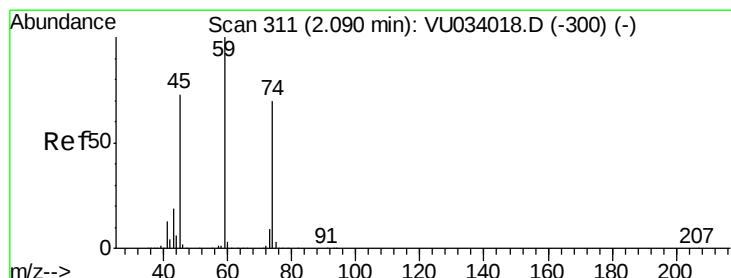
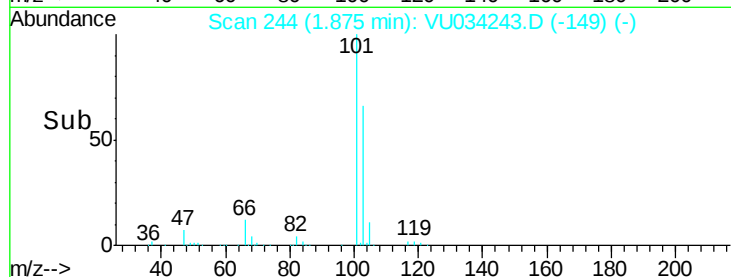
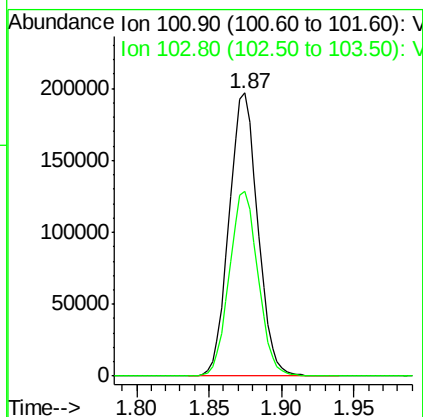
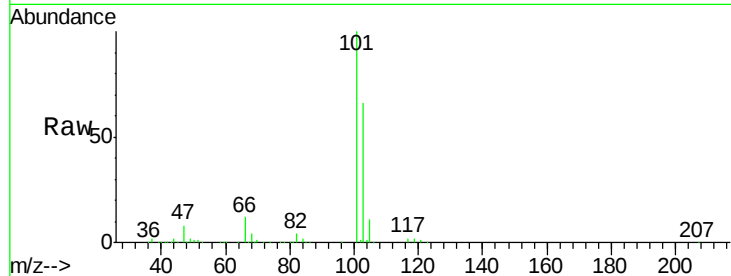
Trichlorofluoromethane
 Concen: 45.988 ug/l
 RT: 1.87 min Scan# 244
 Delta R.T. 0.01 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	271325		
103	65.5	52.1	78.1	

Manual Integrations
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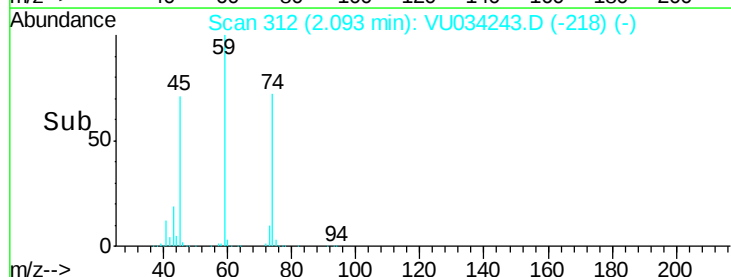
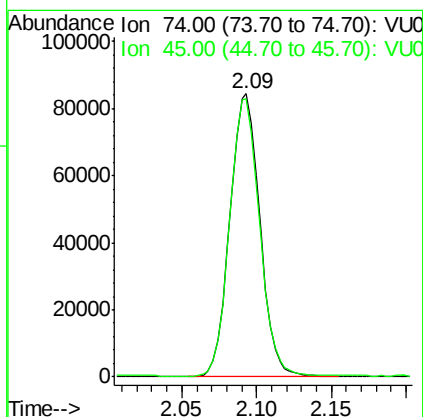
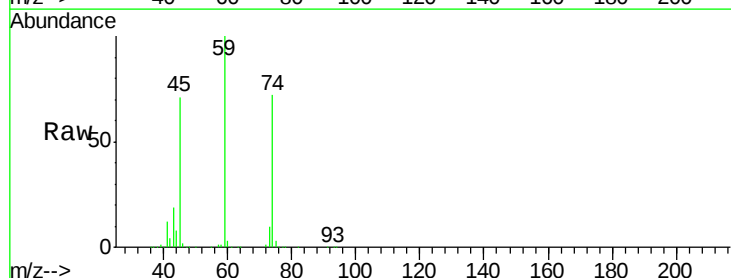
MMDadoda
 9/5/2019 5:00:59 PM



#8

Diethyl Ether
 Concen: 46.801 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	118124		
45	97.8	51.8	155.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.163 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

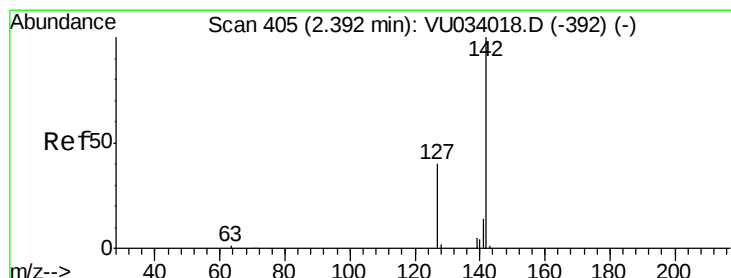
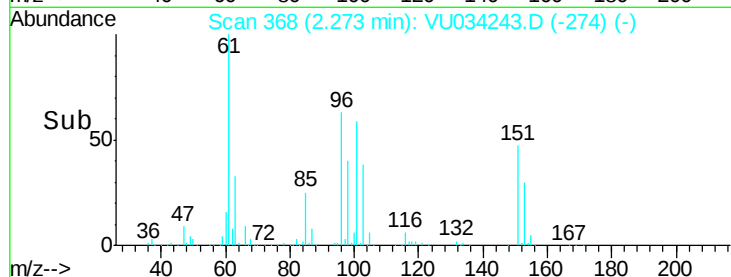
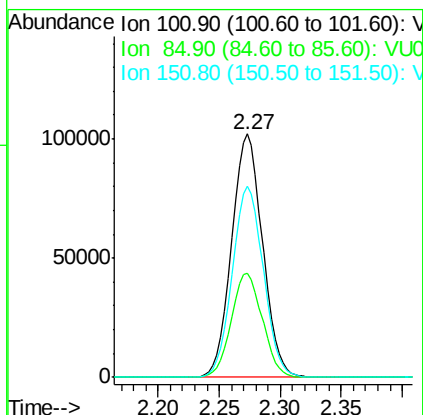
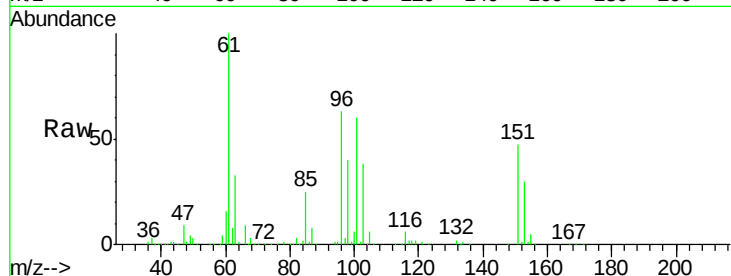
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	180016
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.2	51.2
151	78.9	61.4	92.2

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#10

Methyl Iodide

Concen: 30.866 ug/l

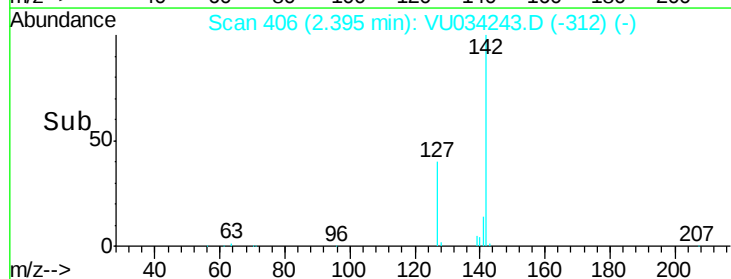
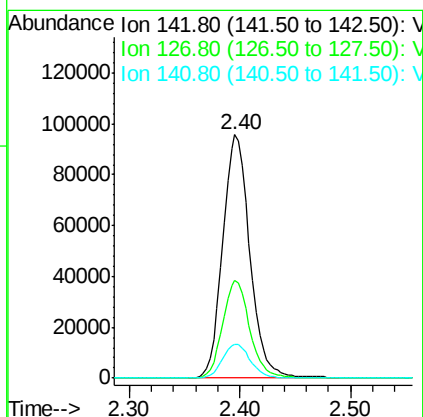
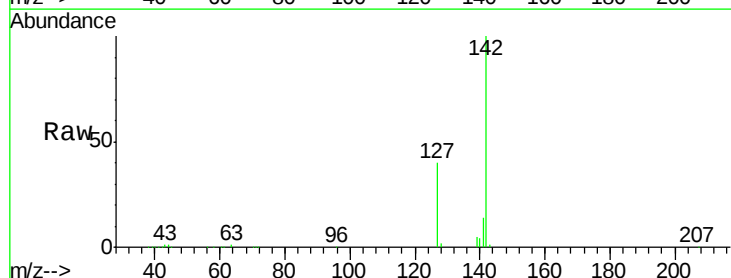
RT: 2.40 min Scan# 406

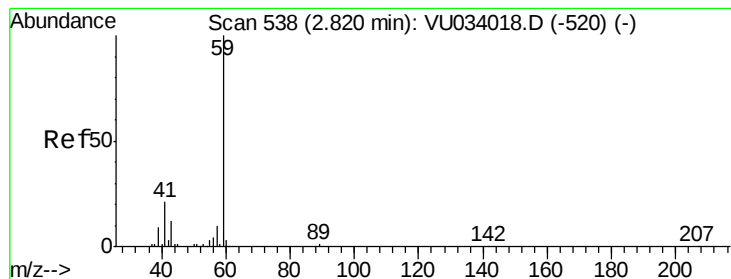
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	142	Resp:	163652
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.6	48.8
141	14.3	11.3	16.9





#11

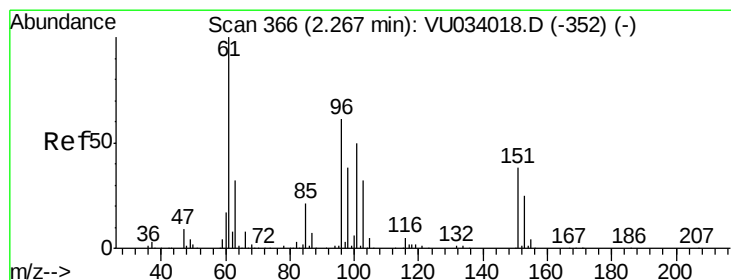
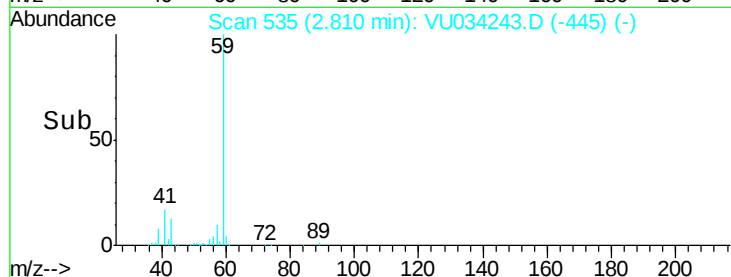
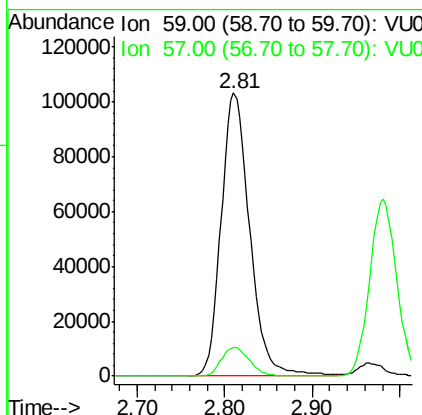
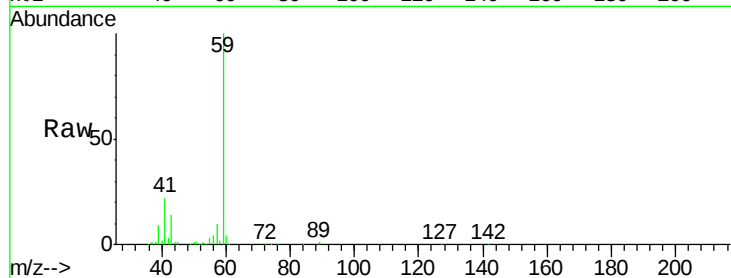
Tert butyl alcohol
 Concen: 208.306 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.01 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	234140
Ion Ratio	100	Lower	Upper
57	10.1	8.0	12.0

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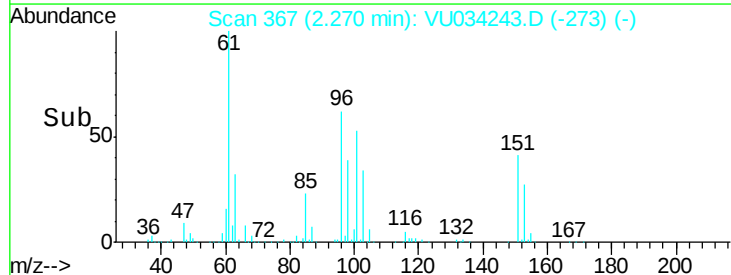
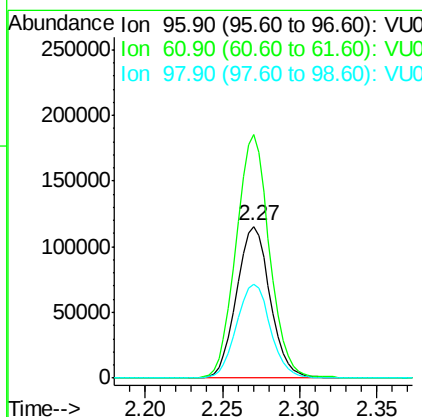
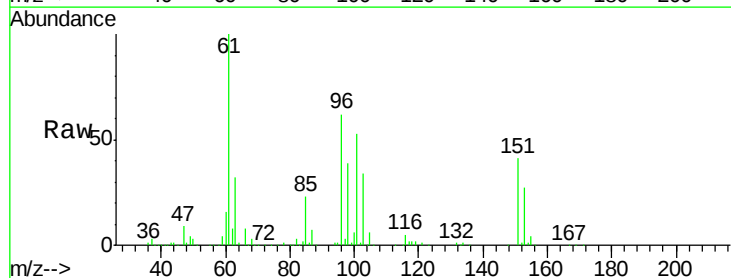
MMDadoda
 9/5/2019 5:00:59 PM

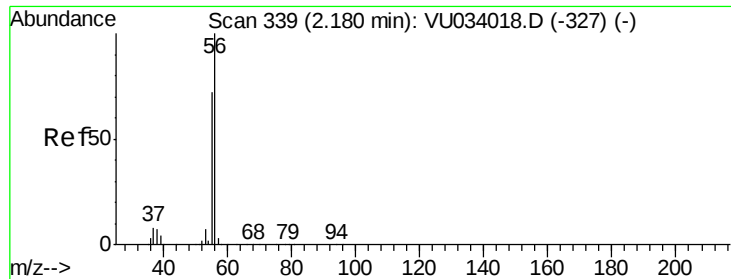


#12

1,1-Dichloroethene
 Concen: 45.806 ug/l
 RT: 2.27 min Scan# 367
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	96	Resp	174436
Ion Ratio	100	Lower	Upper
61	160.7	131.3	196.9
98	62.2	50.3	75.5





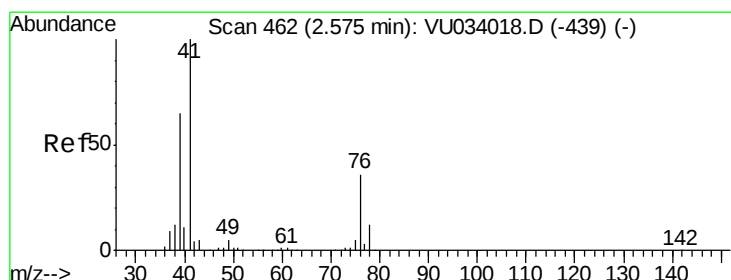
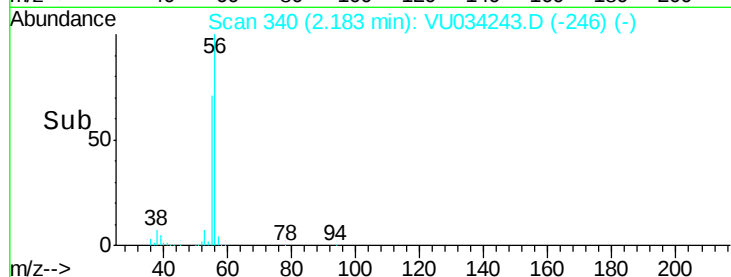
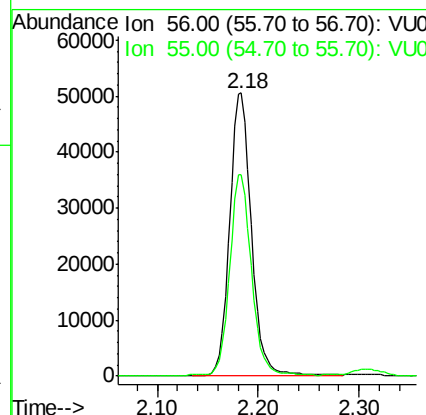
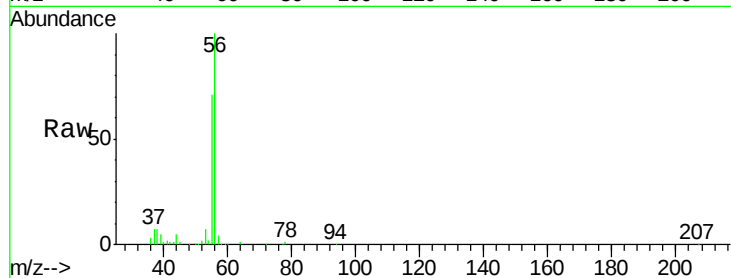
#13
Acrolein
Concen: 162.254 ug/l
RT: 2.18 min Scan# 340
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	70.2	57.1	85.7

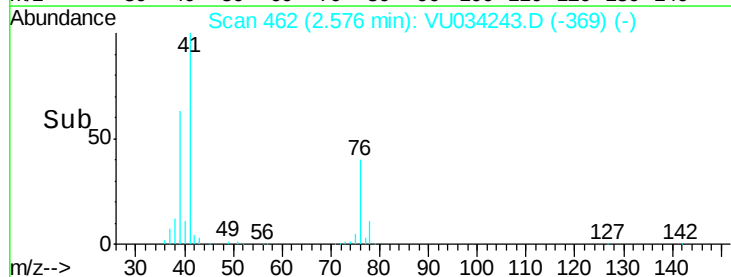
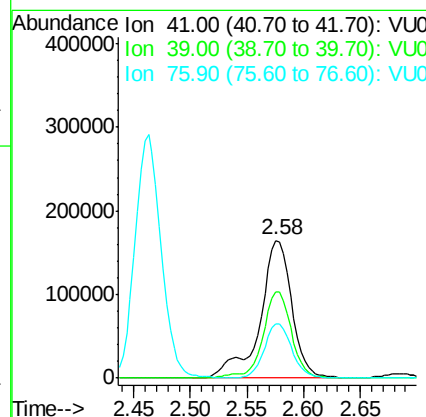
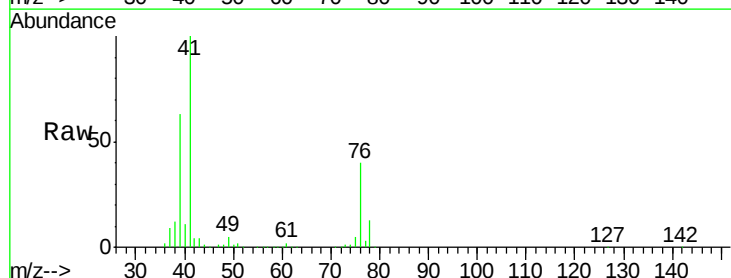
Manual Integrations
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#14
Allyl chloride
Concen: 45.010 ug/l m
RT: 2.58 min Scan# 462
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
41	100		
39	56.1	46.8	70.2
76	33.6	26.6	40.0





#15

Acrylonitrile

Concen: 235.517 ug/l

RT: 2.92 min Scan# 568

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

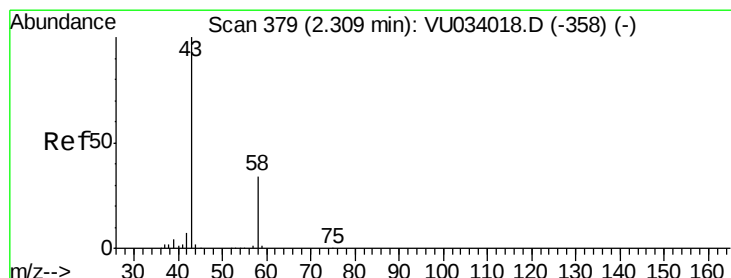
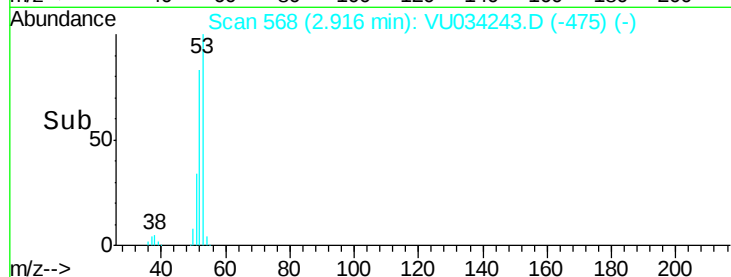
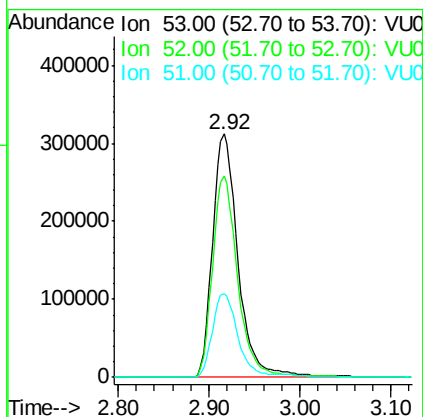
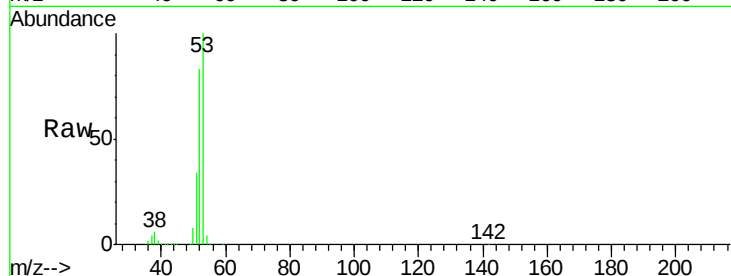
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	607463
Ion	Ratio	Lower	Upper
53	100		
52	81.5	65.7	98.5
51	35.3	27.9	41.9

Manual Integrations
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#16

Acetone

Concen: 260.237 ug/l

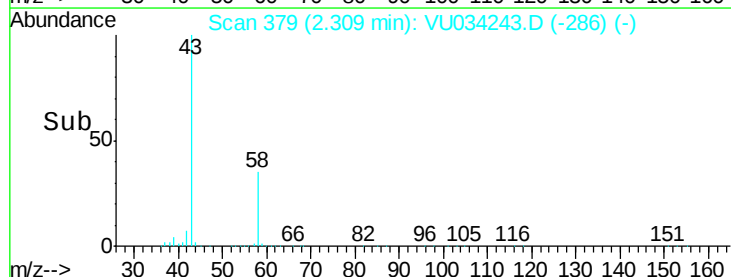
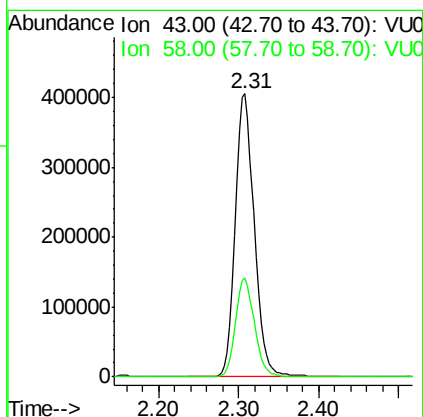
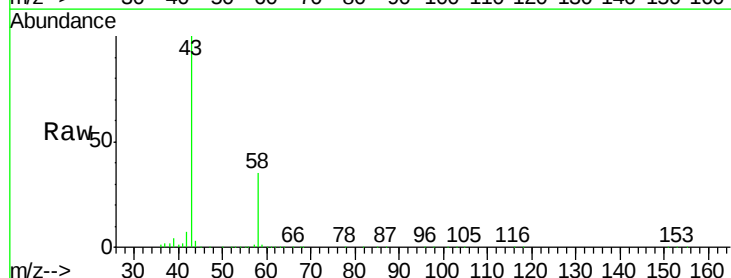
RT: 2.31 min Scan# 379

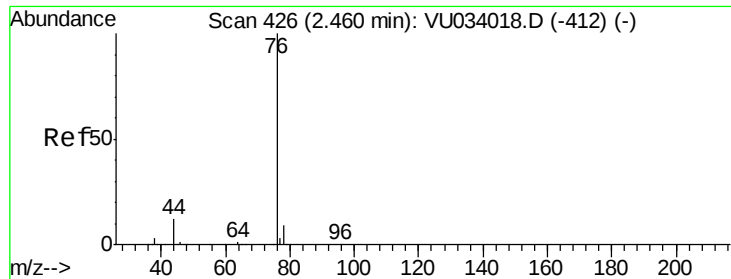
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	43	Resp:	647220
Ion	Ratio	Lower	Upper
43	100		
58	34.8	26.8	40.2





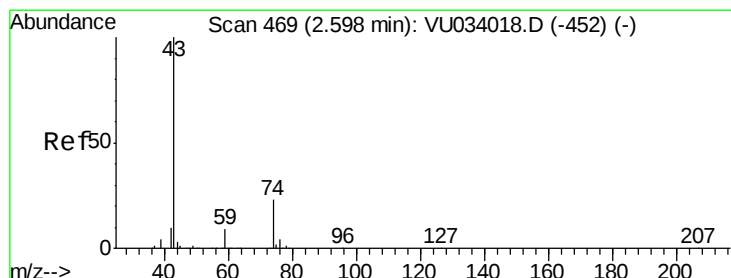
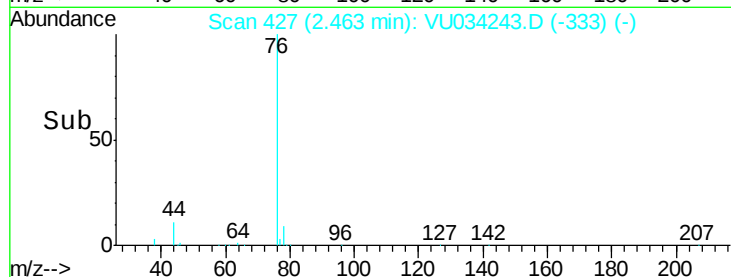
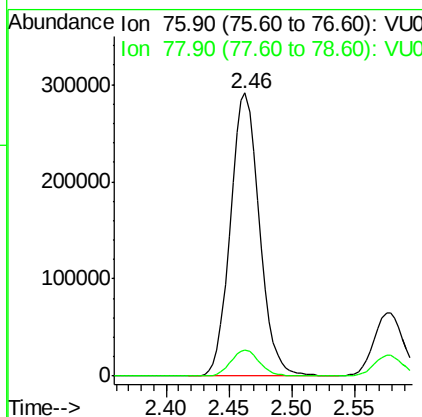
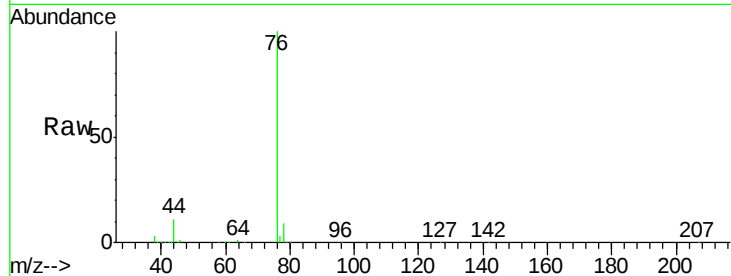
#17
Carbon Disulfide
Concen: 38.890 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.1	10.7

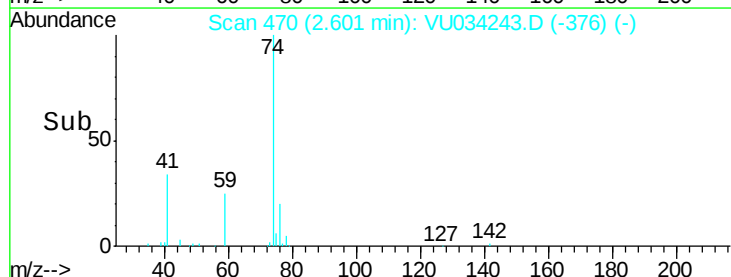
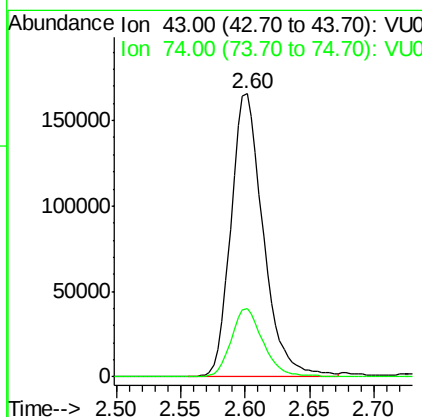
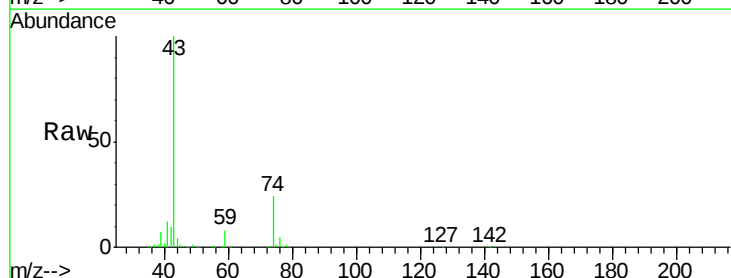
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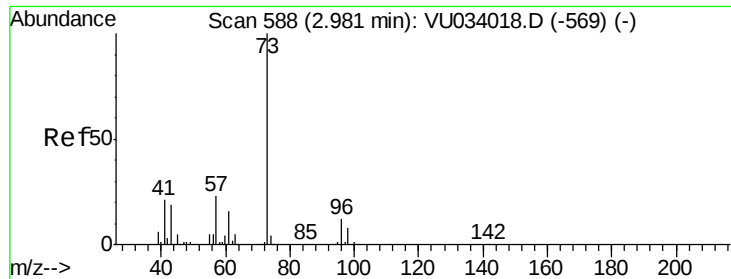
MMDadoda
9/5/2019 5:00:59 PM



#18
Methyl Acetate
Concen: 44.598 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





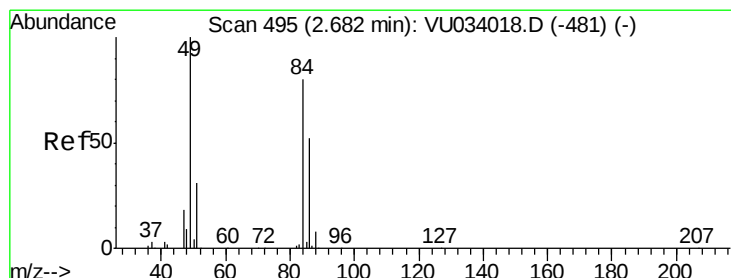
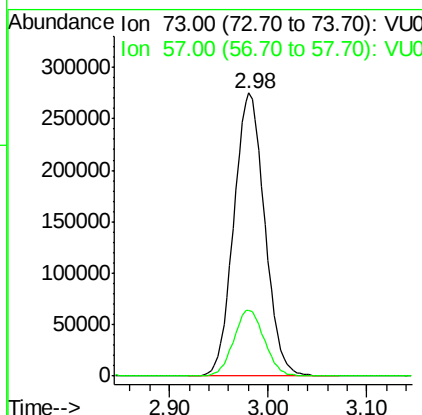
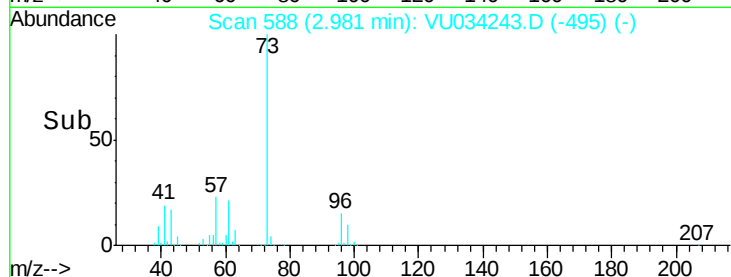
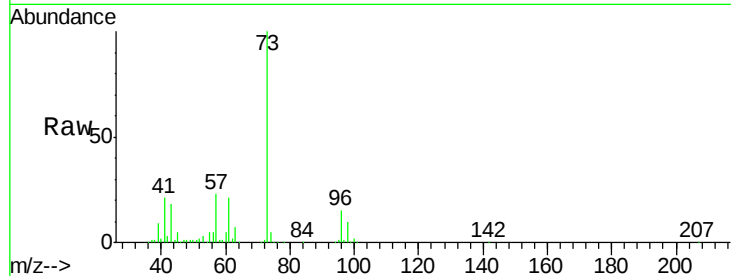
#19
Methvl tert-butvl Ether
Concen: 47.668 ug/l
RT: 2.98 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.4	18.3	27.5

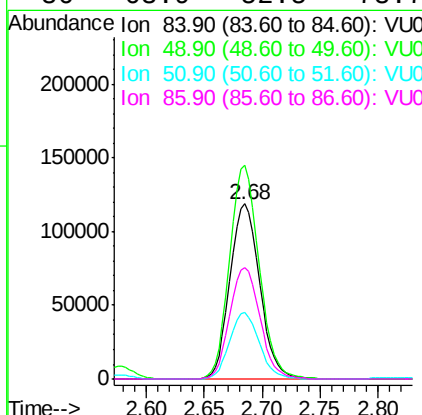
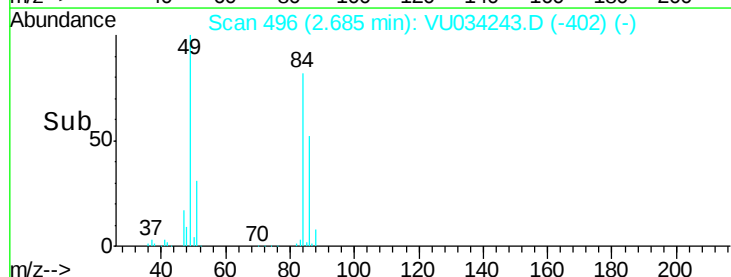
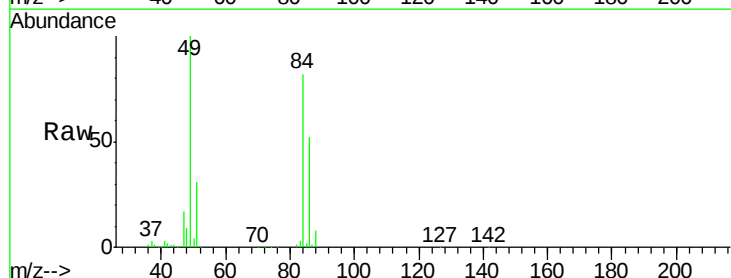
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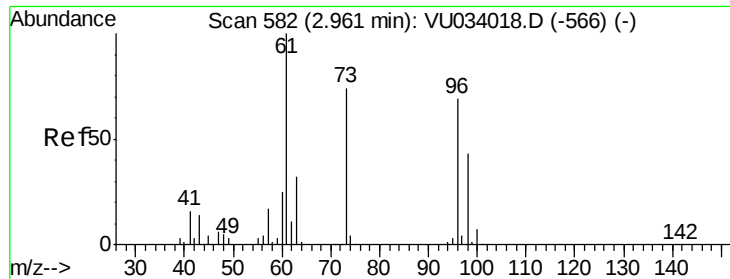
MMDadoda
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#20
Methylene Chloride
Concen: 45.030 ug/l
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	100.2	150.4
51	37.7	30.8	46.2
86	63.9	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 45.310 ug/l

RT: 2.96 min Scan# 583

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

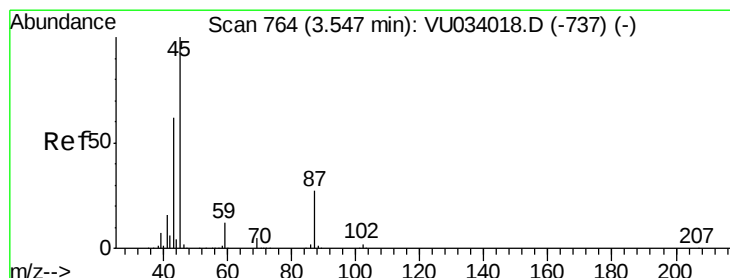
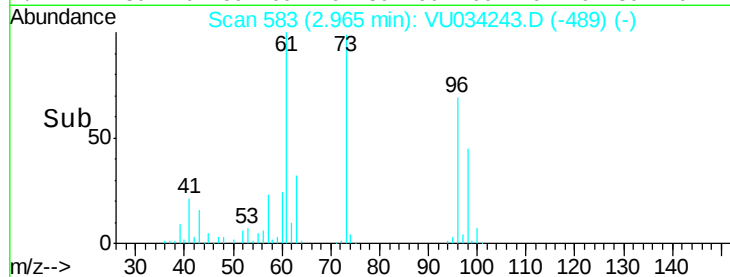
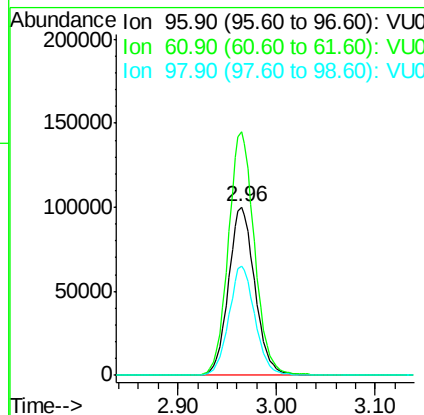
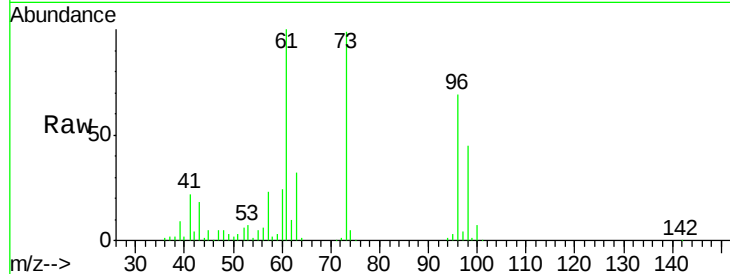
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	187265
Ion Ratio	Lower	Upper	
96	100		
61	144.4	115.5	173.3
98	65.0	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.260 ug/l

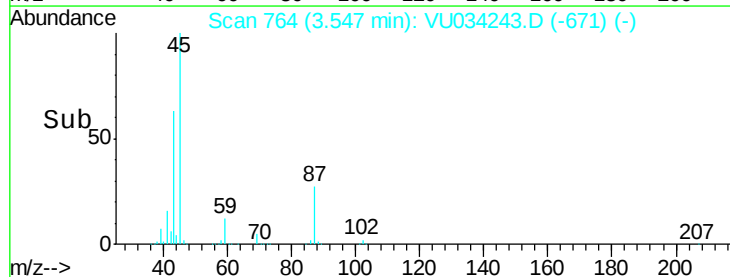
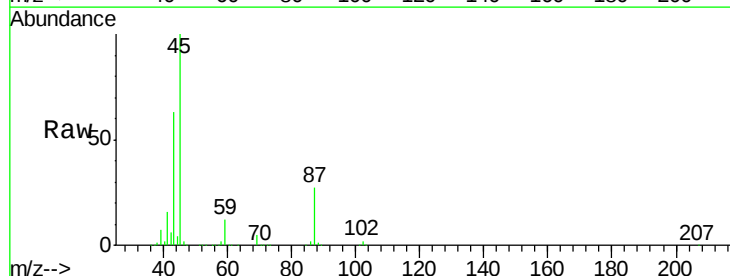
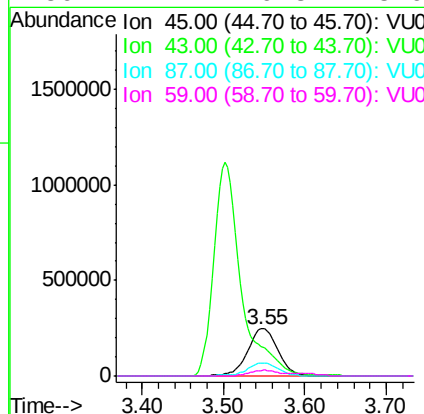
RT: 3.55 min Scan# 764

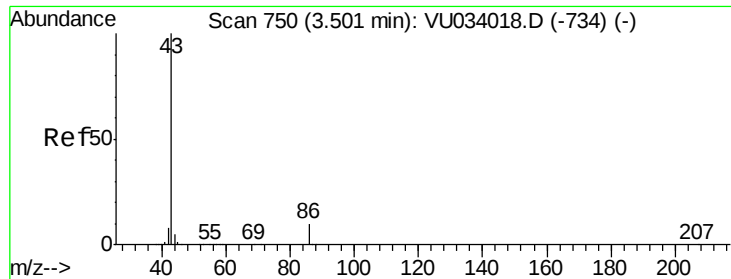
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	45	Resp:	633171
Ion Ratio	Lower	Upper	
45	100		
43	62.9	49.7	74.5
87	27.3	21.8	32.8
59	12.1	9.3	13.9





#23

Vinyl Acetate

Concen: 235.656 ug/l

RT: 3.50 min Scan# 750

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2655986

Ion Ratio Lower Upper

43 100

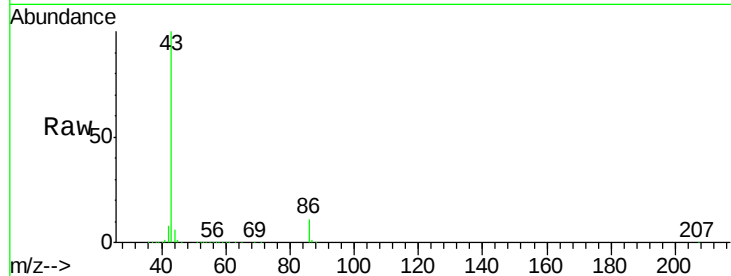
86 10.6 8.3 12.5

Manual Integrations

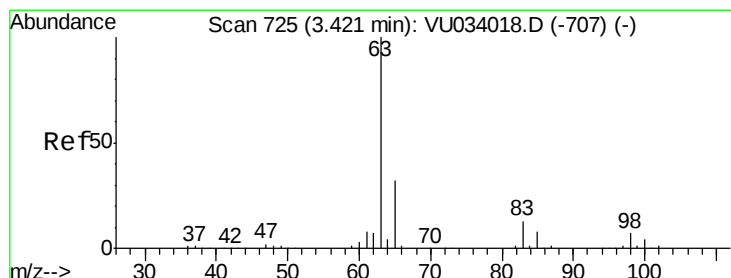
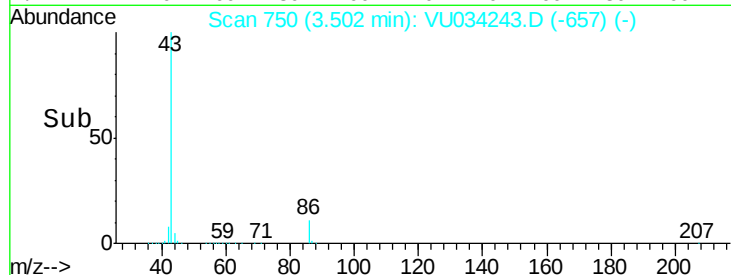
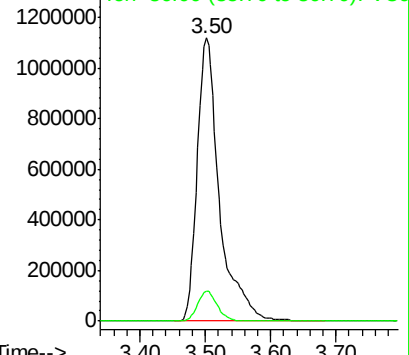
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Abundance Ion 43.00 (42.70 to 43.70): VU034018.D (-734) (-)



#24

1,1-Dichloroethane

Concen: 46.377 ug/l

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

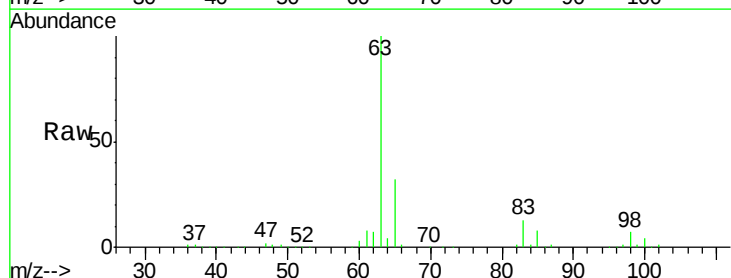
Tgt Ion: 63 Resp: 359235

Ion Ratio Lower Upper

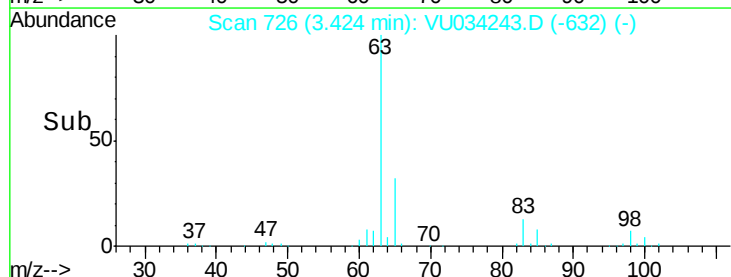
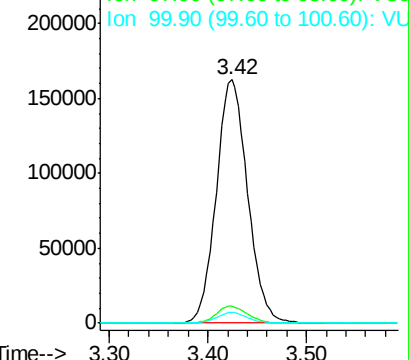
63 100

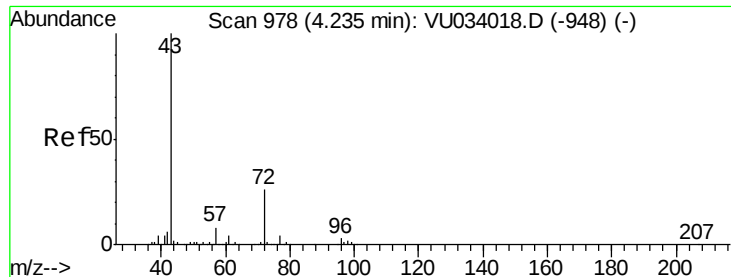
98 7.0 3.3 9.8

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-707) (-)





#25

2-Butanone

Concen: 248.100 ug/l

RT: 4.23 min Scan# 978

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 858460

Ion Ratio Lower Upper

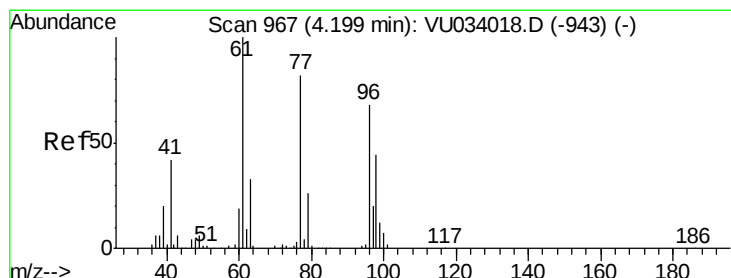
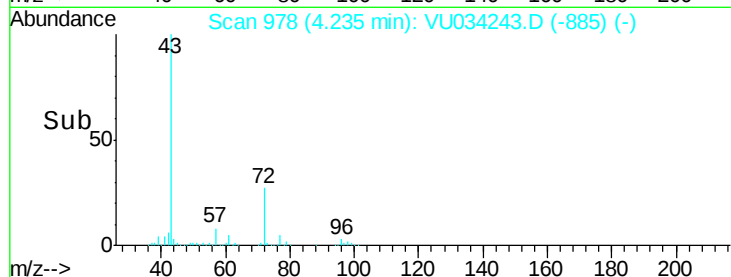
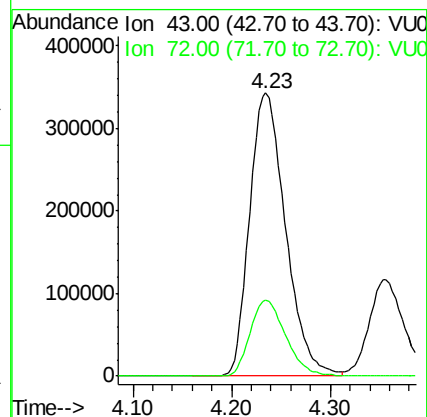
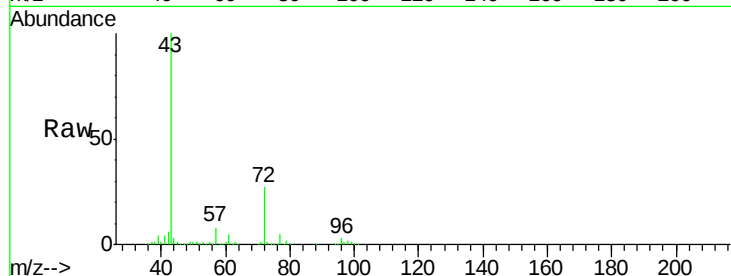
43 100

72 26.9 21.2 31.8

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 47.482 ug/l

RT: 4.20 min Scan# 967

Delta R.T. 0.00 min

Lab File: VU034243.D

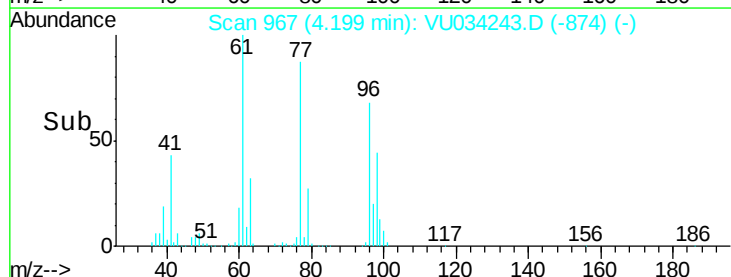
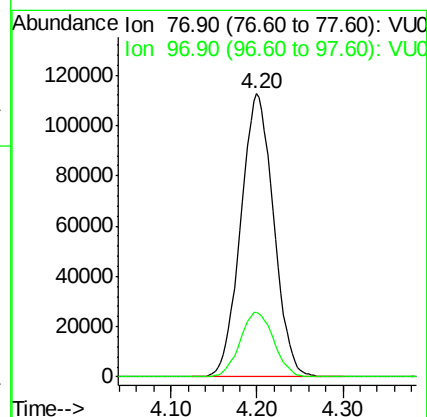
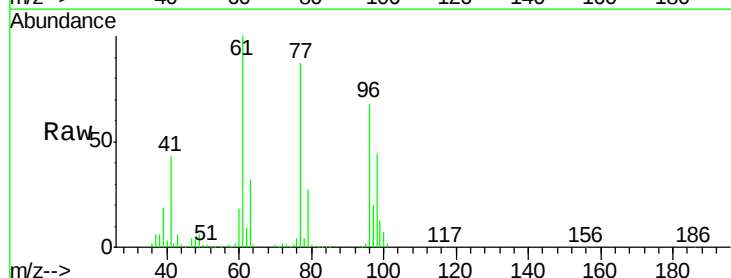
Acq: 04 Sep 2019 09:24

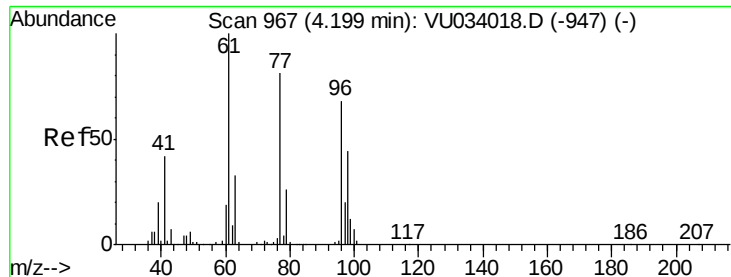
Tgt Ion: 77 Resp: 299277

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.7





#27

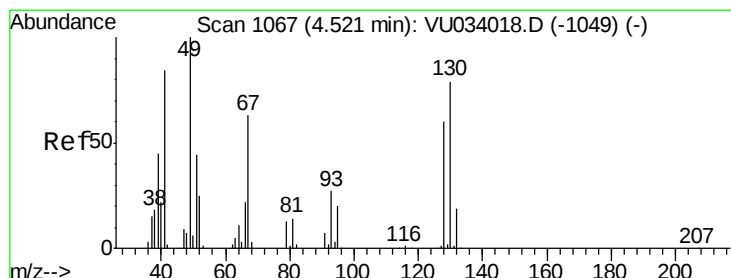
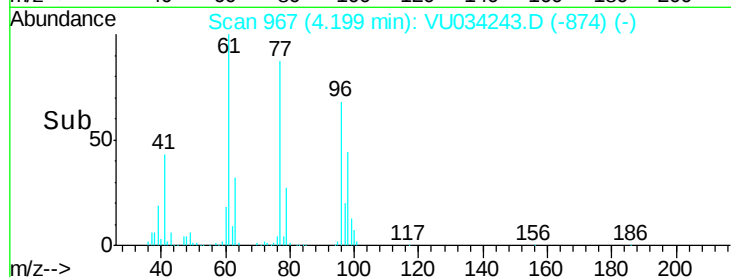
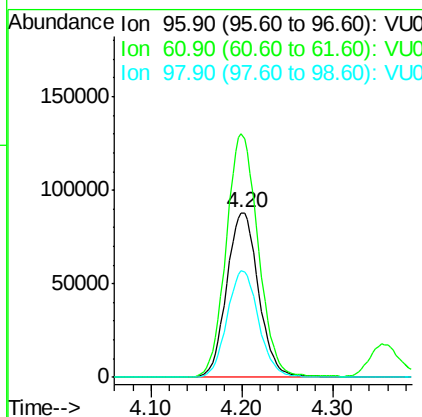
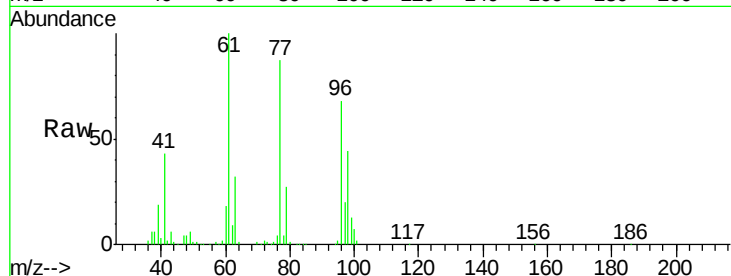
cis-1,2-Dichloroethene
Concen: 46.184 ug/l
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.9	0.0	303.0	
98	64.2	0.0	129.2	

Manual Integrations
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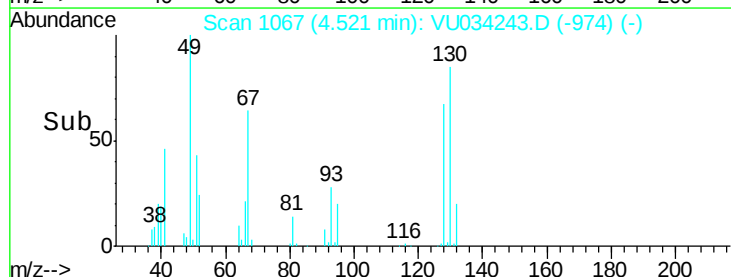
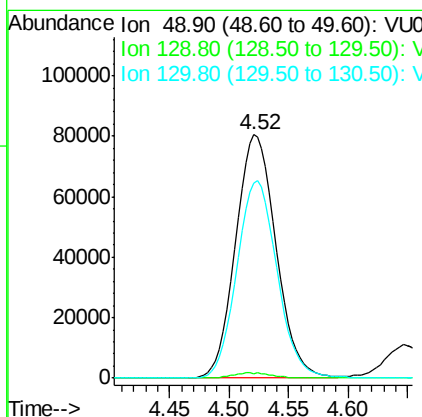
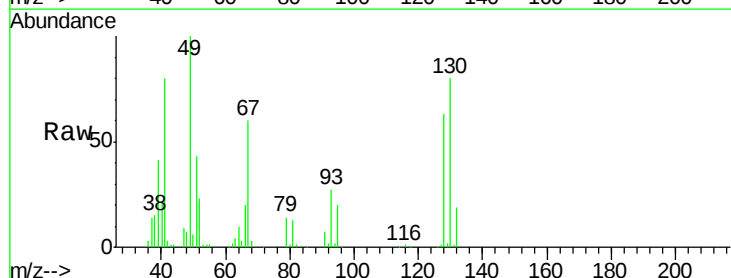
MMDadoda
9/5/2019 5:00:59 PM

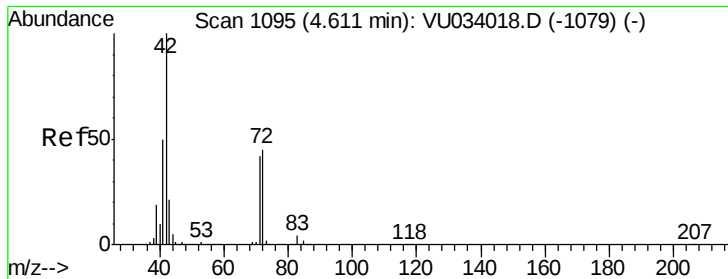


#28

Bromochloromethane
Concen: 49.735 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.0	0.0	3.6	
130	81.0	62.8	94.2	





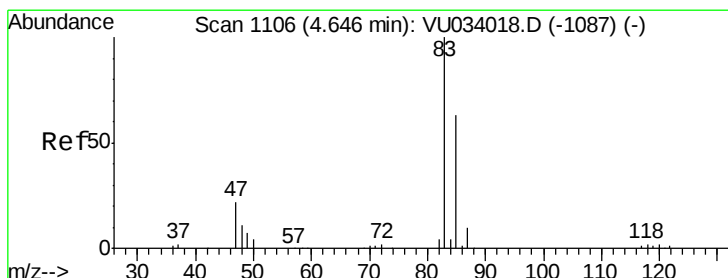
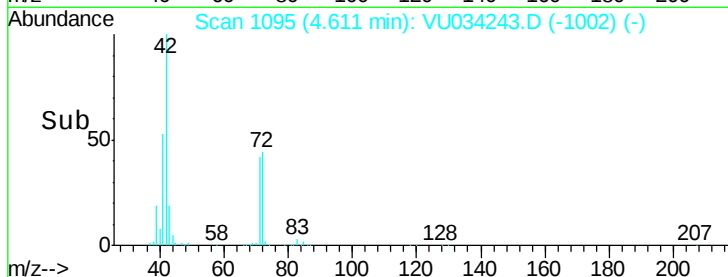
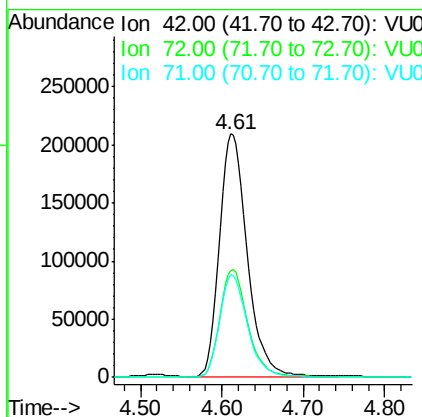
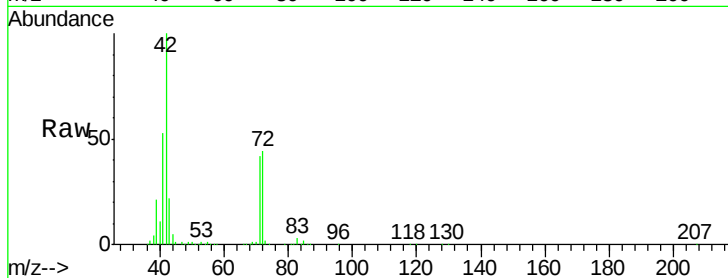
#29
Tetrahydrofuran
Concen: 236.065 ug/l
RT: 4.61 min Scan# 1095
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.1	35.8	53.6
71	42.2	34.0	51.0

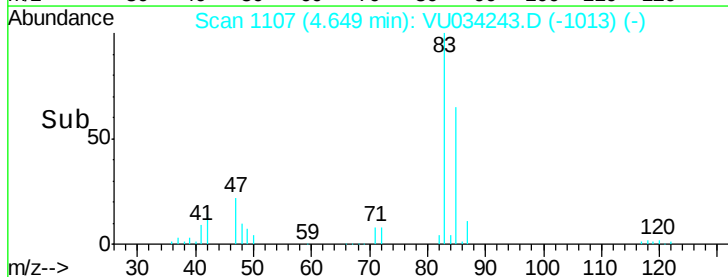
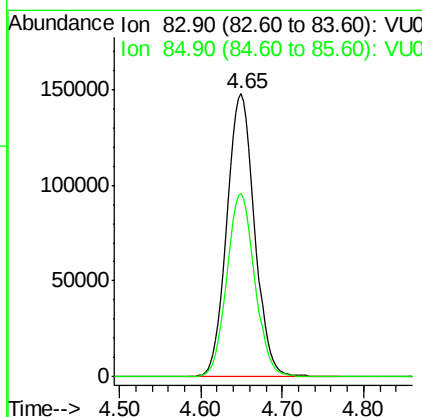
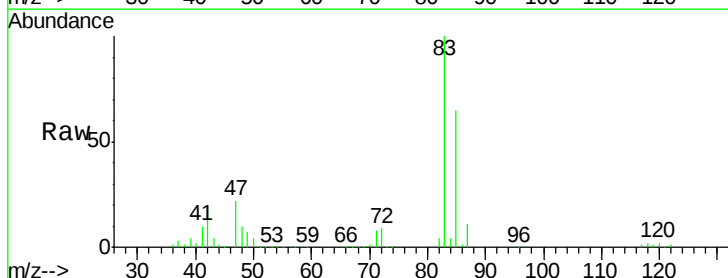
Manual Integrations
APPROVED

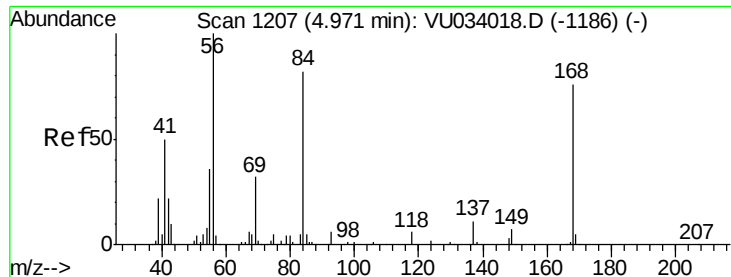
MMDadoda
9/5/2019 5:00:59 PM



#30
Chloroform
Concen: 45.702 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1





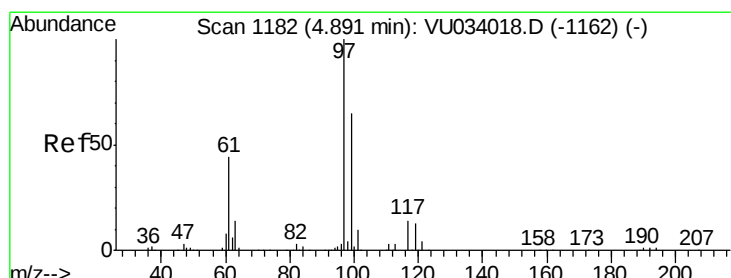
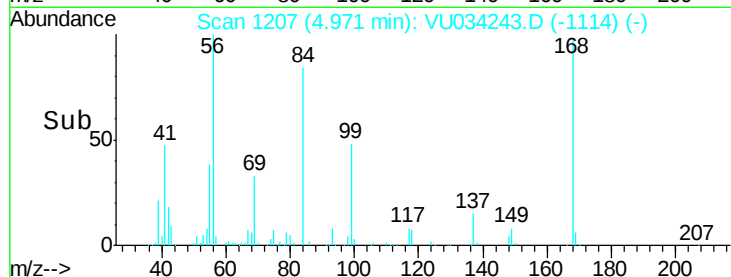
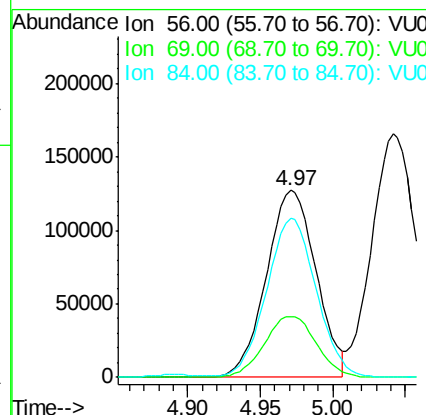
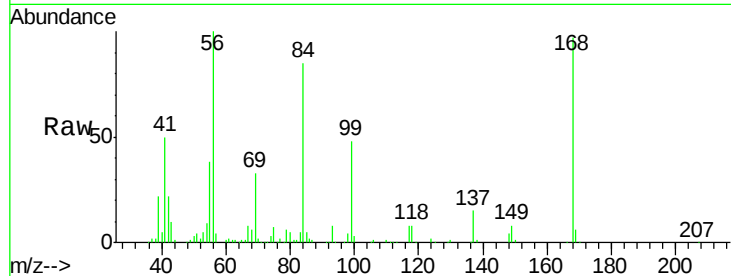
#31
Cyclohexane
Concen: 41.644 ug/l
RT: 4.97 min Scan# 1207
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.4	38.0
84	84.0	65.8	98.8

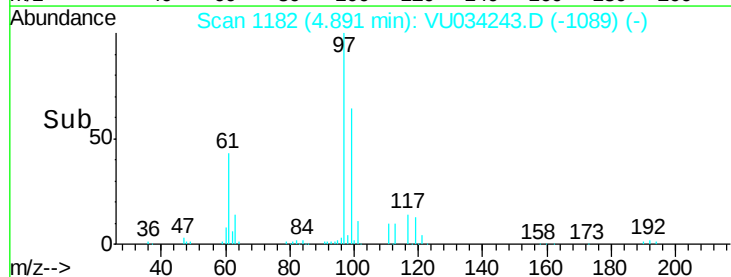
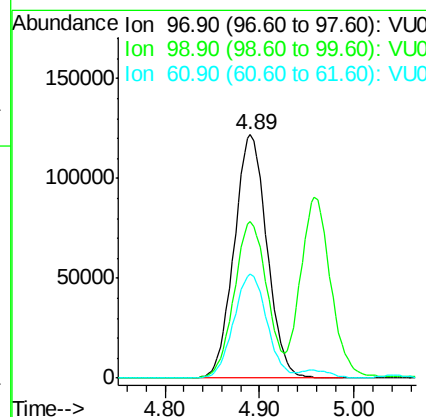
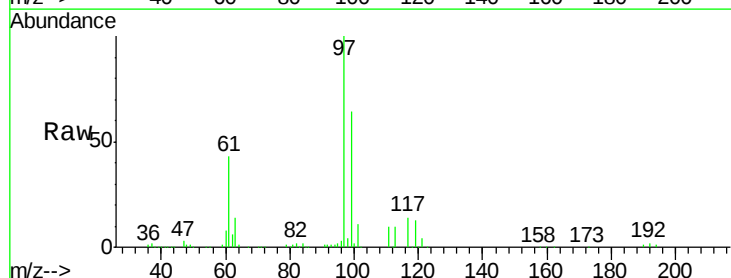
Manual Integrations
APPROVED

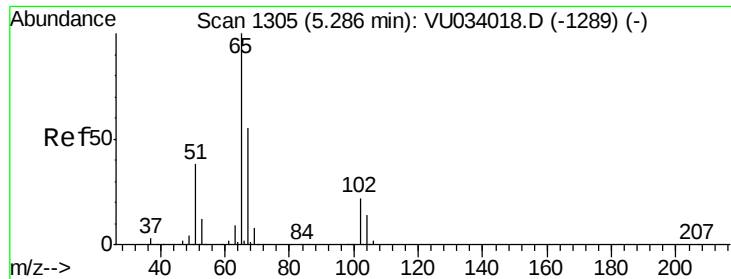
MMDadoda
9/5/2019 5:00:59 PM



#32
1,1,1-Trichloroethane
Concen: 46.452 ug/l
RT: 4.89 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.8	77.6
61	43.1	35.3	52.9





#33

1,2-Dichloroethane-d4

Concen: 47.525 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 231648

Ion Ratio Lower Upper

65 100

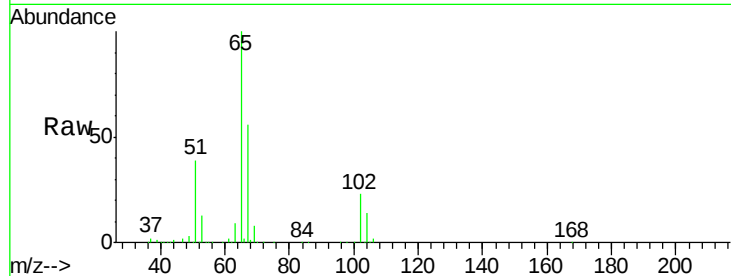
67 55.9 0.0 110.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU034018.D (-1289) (-)

Ion 66.90 (66.60 to 67.60): VU034018.D (-1289) (-)

5.29

120000

100000

80000

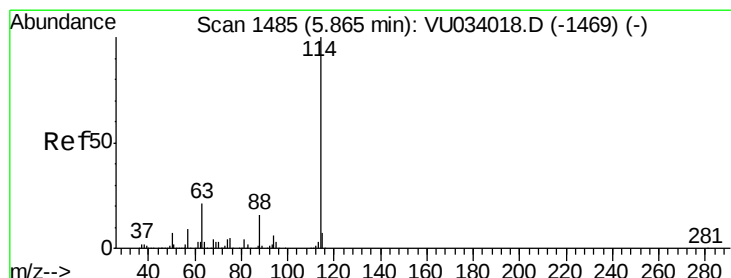
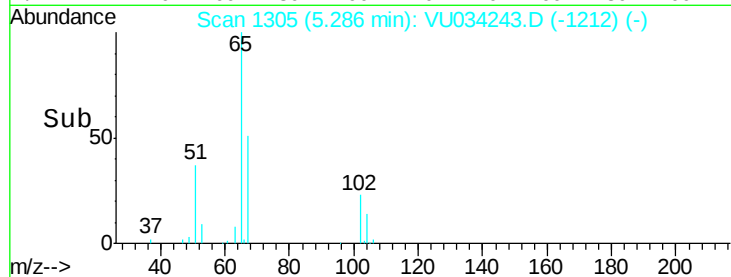
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.86 min Scan# 1485

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

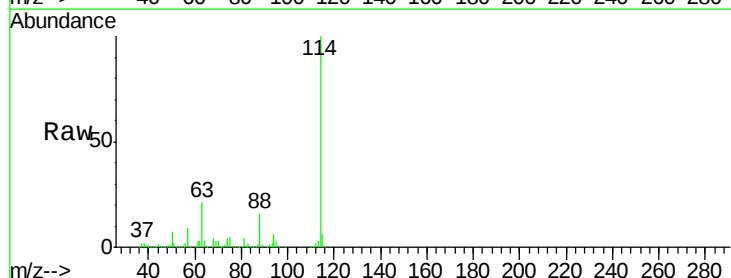
Tgt Ion: 114 Resp: 564746

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.0

88 15.6 0.0 32.0



Abundance Ion 113.90 (113.60 to 114.60): VU034018.D (-1469) (-)

Ion 63.00 (62.70 to 63.70): VU034018.D (-1469) (-)

Ion 87.90 (87.60 to 88.60): VU034018.D (-1469) (-)

5.86

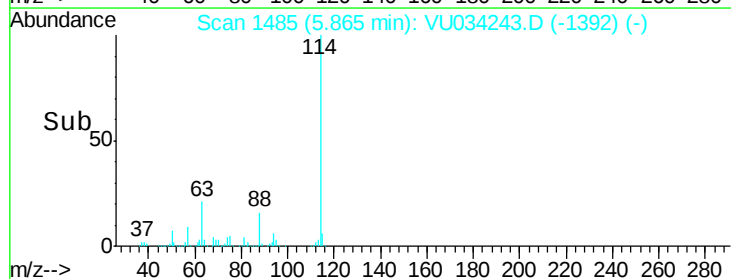
300000

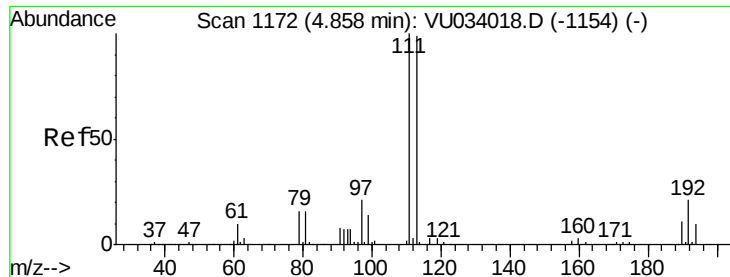
200000

100000

0

Time-->





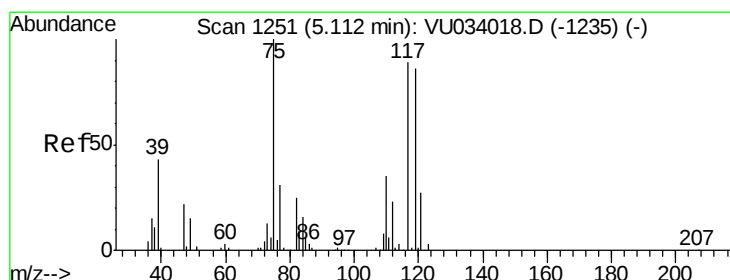
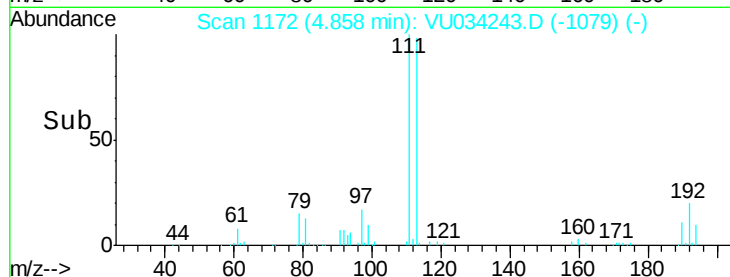
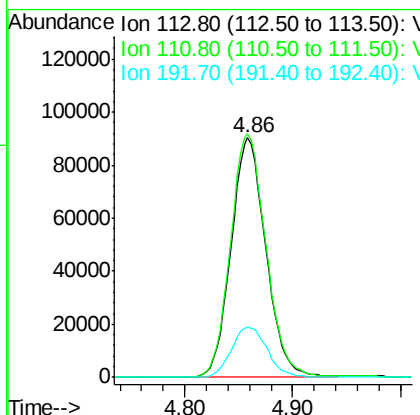
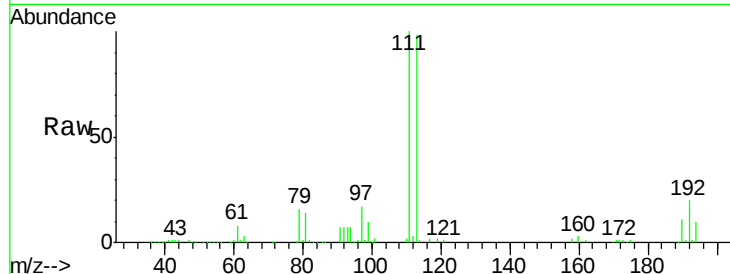
#35
 Dibromofluoromethane
 Concen: 51.765 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202763		
111	103.7	81.7	122.5	
192	21.8	17.1	25.7	

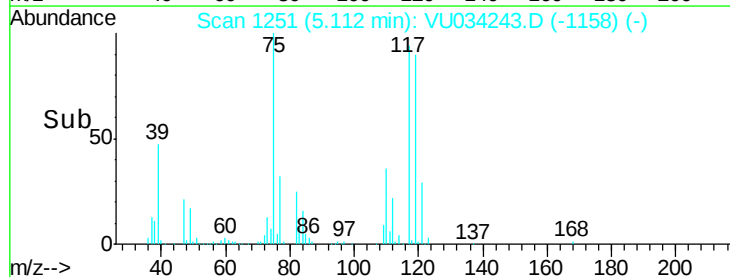
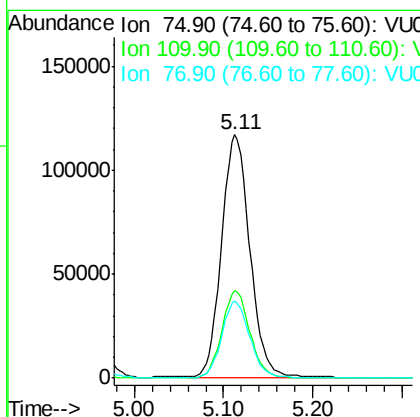
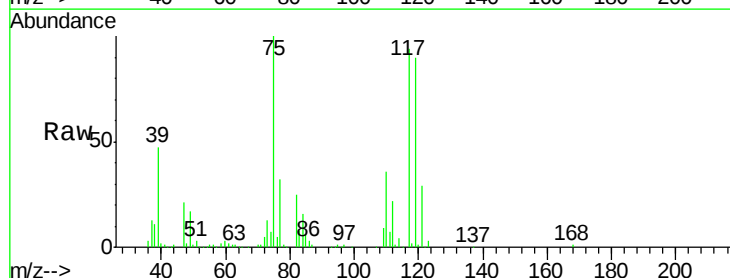
Manual Integrations
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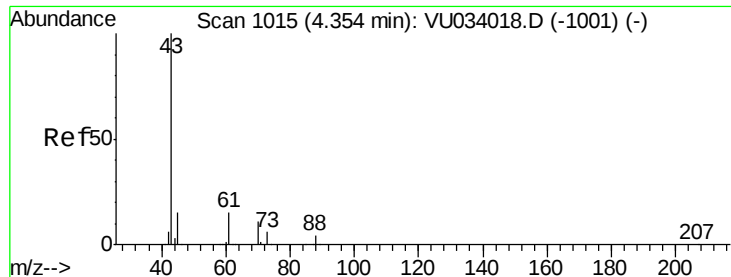
MMDadoda
 9/5/2019 5:00:59 PM



#36
 1,1-Dichloropropene
 Concen: 47.891 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	255824		
110	35.6	17.8	53.5	
77	31.2	25.0	37.4	





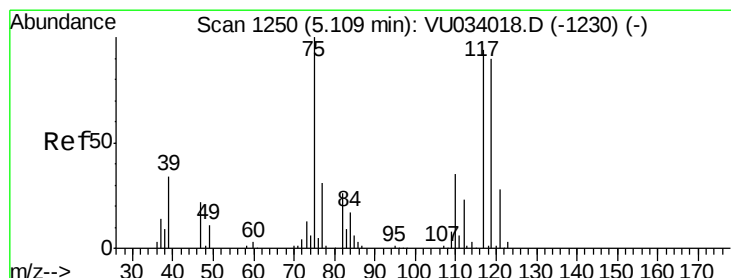
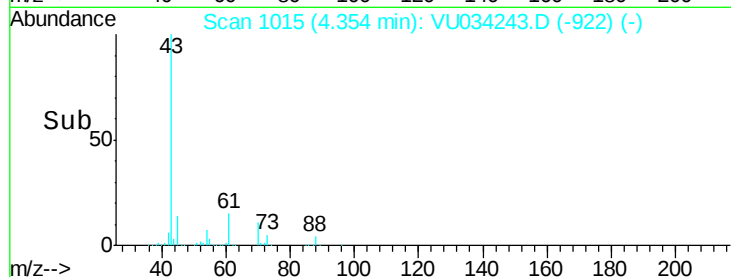
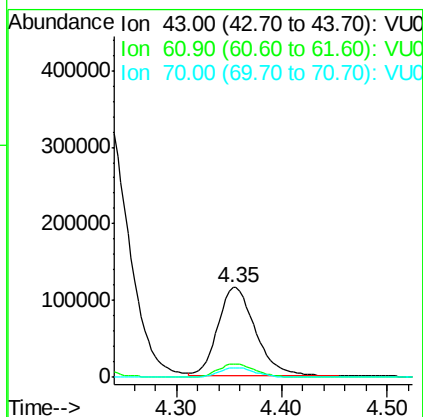
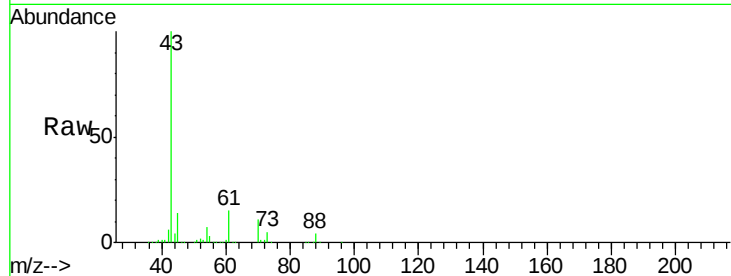
#37
Ethyl Acetate
Concen: 47.816 ug/l
RT: 4.35 min Scan# 1015
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.5	17.3
70	10.9	8.6	12.8

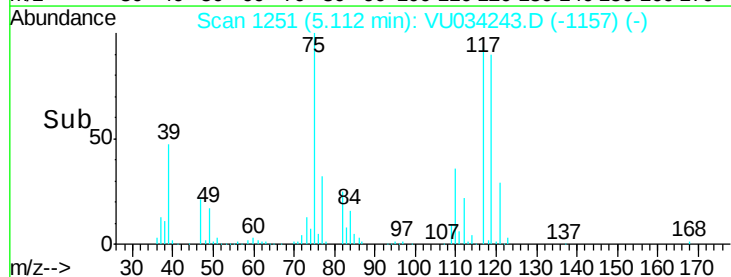
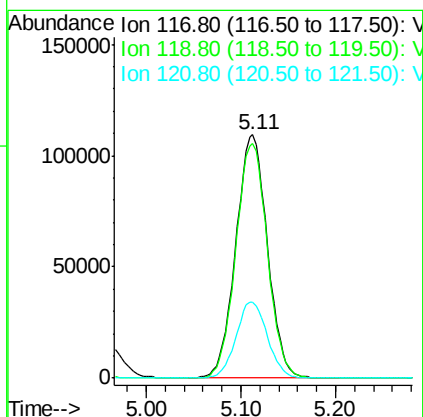
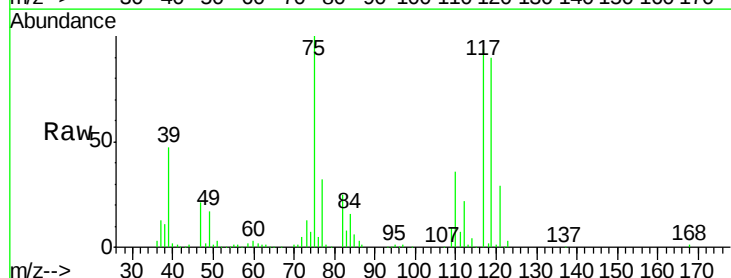
Manual Integrations
APPROVED

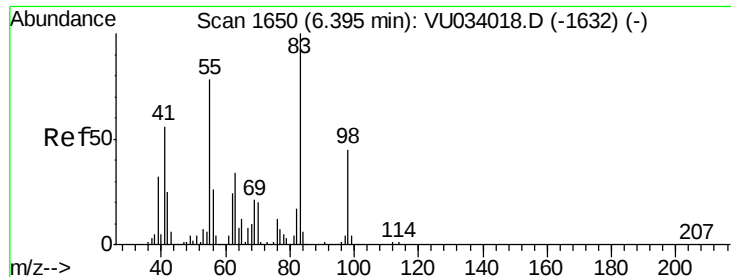
MMDadoda
9/5/2019 5:00:59 PM



#38
Carbon Tetrachloride
Concen: 49.024 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.0	115.4
121	31.1	23.9	35.9





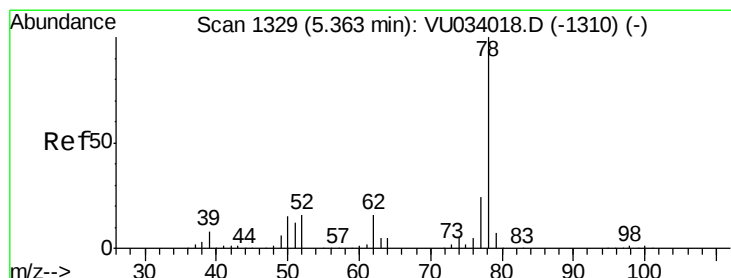
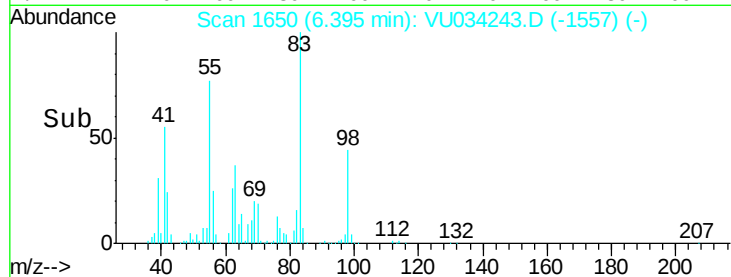
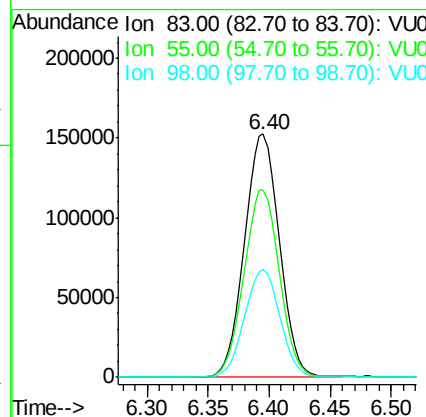
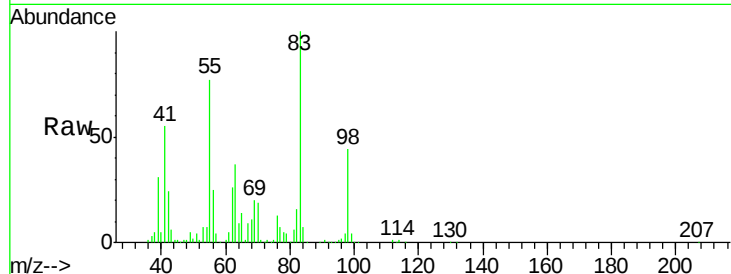
#39
Methylvlcvclohexane
Concen: 48.050 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	62.3	93.5
98	44.2	36.2	54.2

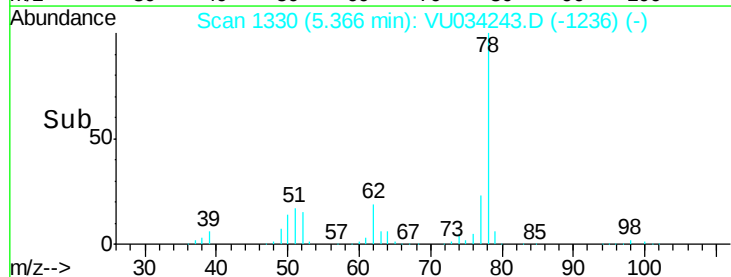
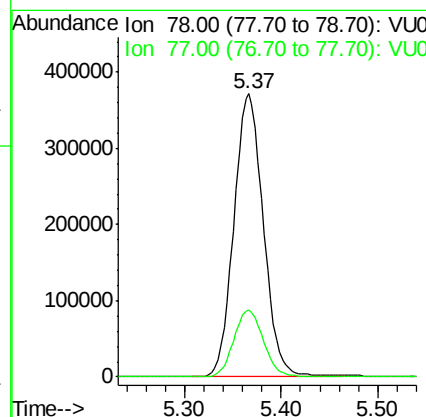
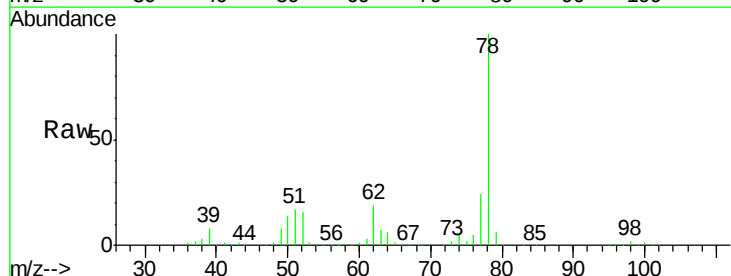
Manual Integrations
APPROVED

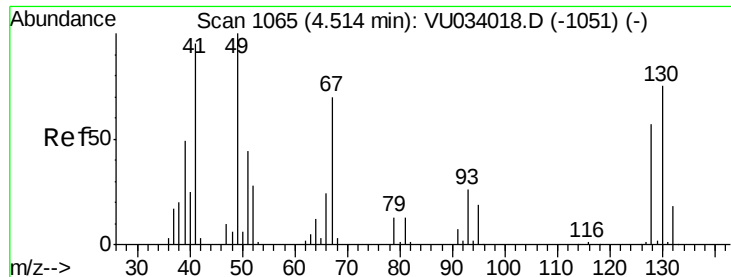
MMDadoda
9/5/2019 5:00:59 PM



#40
Benzene
Concen: 48.703 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6





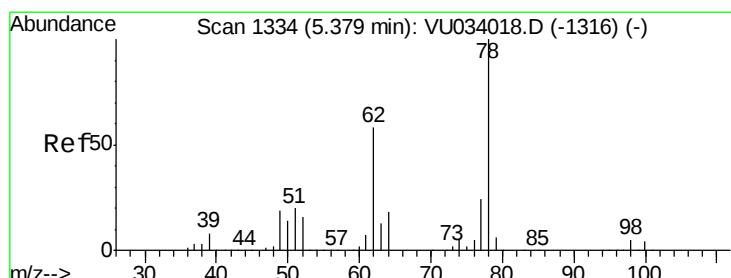
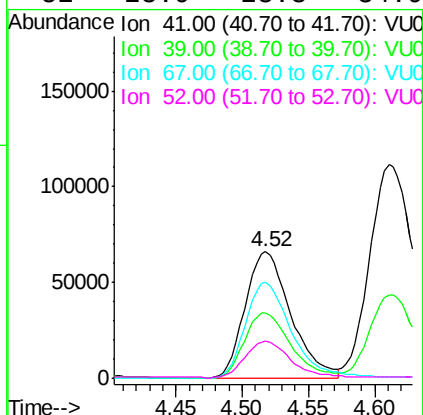
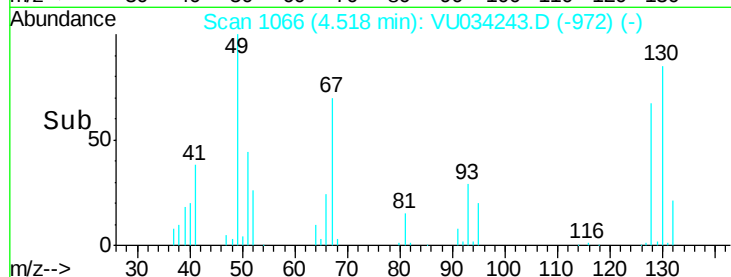
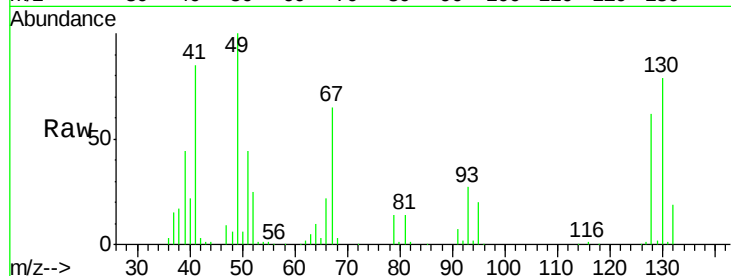
#41
Methacrylonitrile
Concen: 51.419 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.4	42.1	63.1	
67	78.2	61.0	91.4	
52	28.9	23.3	34.9	

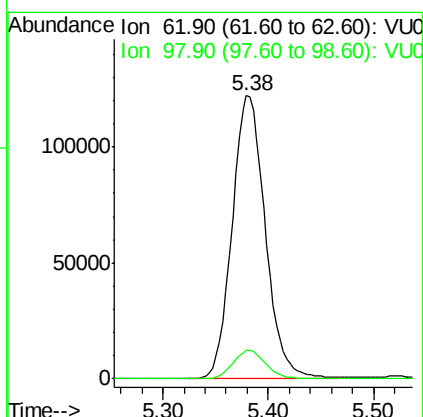
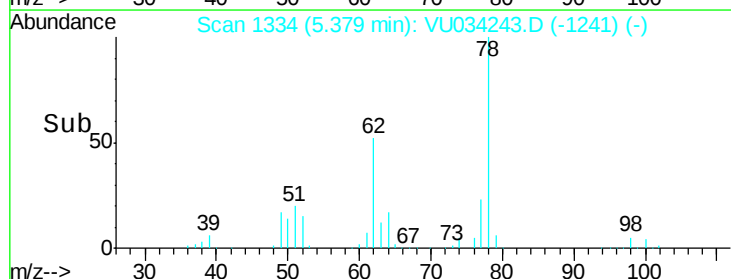
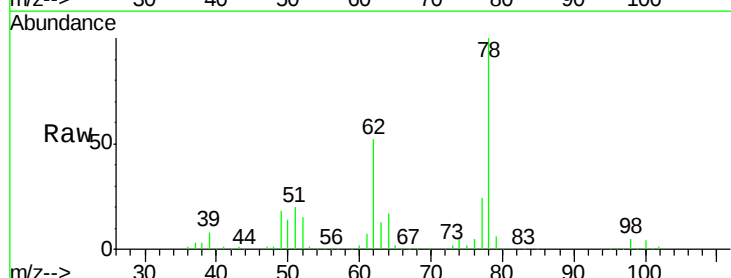
Manual Integrations
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9/5/2019 5:00:59 PM



#42
1,2-Dichloroethane
Concen: 47.738 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	18.2	





#43

Isopropyl Acetate

Concen: 48.264 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

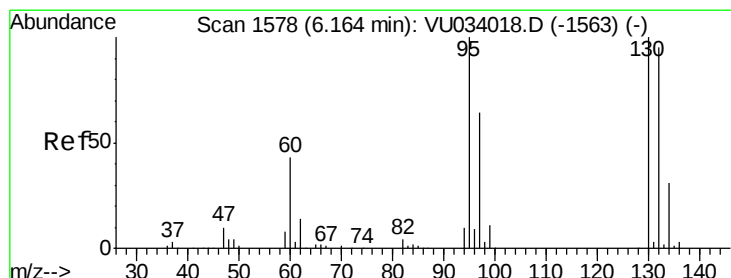
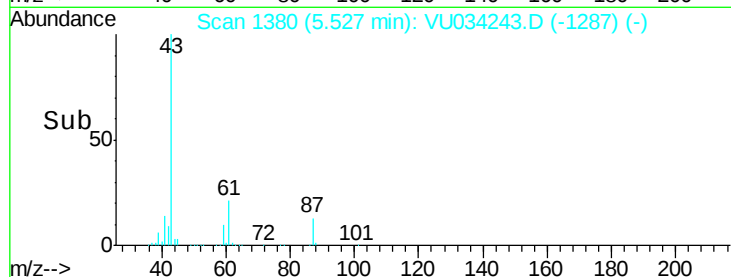
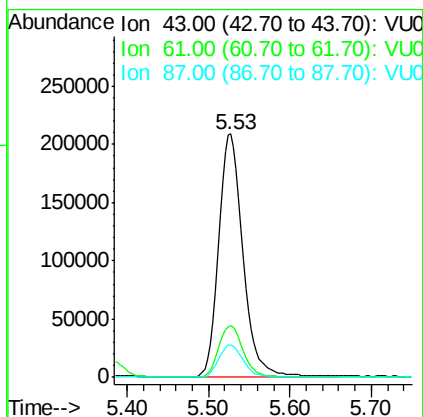
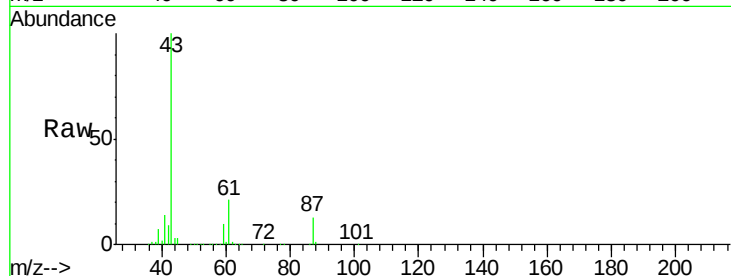
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	439226
Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.2	25.8
87	13.5	10.8	16.2

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#44

Trichloroethene

Concen: 49.660 ug/l

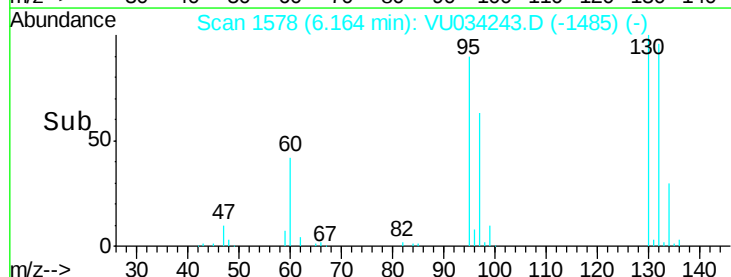
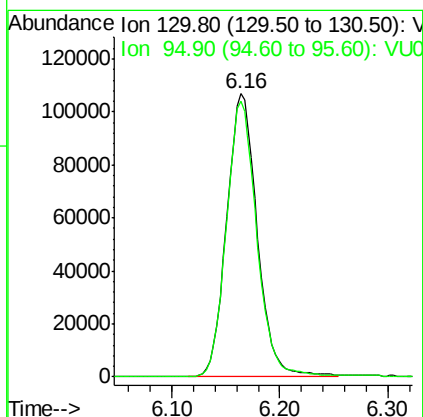
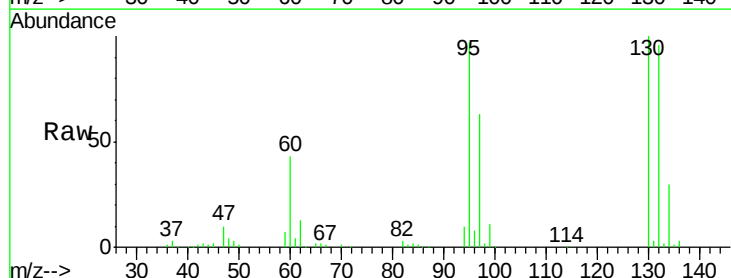
RT: 6.16 min Scan# 1578

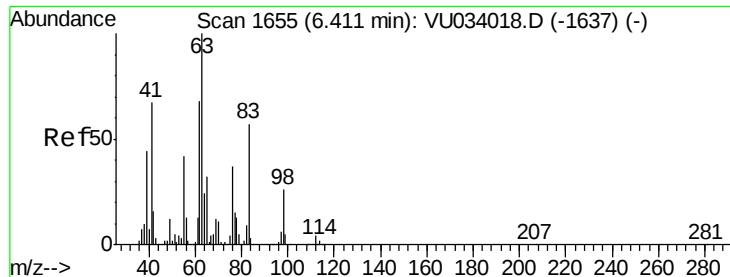
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	130	Resp:	210761
Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	199.6





#45

1,2-Dichloropropane

Concen: 49.854 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 221797

Ion Ratio Lower Upper

63 100

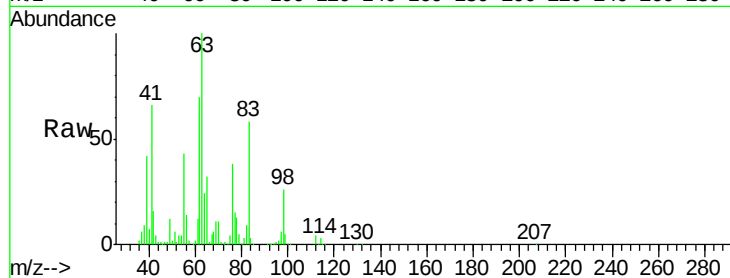
65 32.5 25.4 38.2

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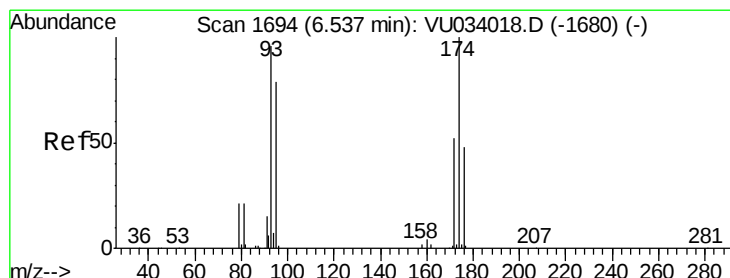
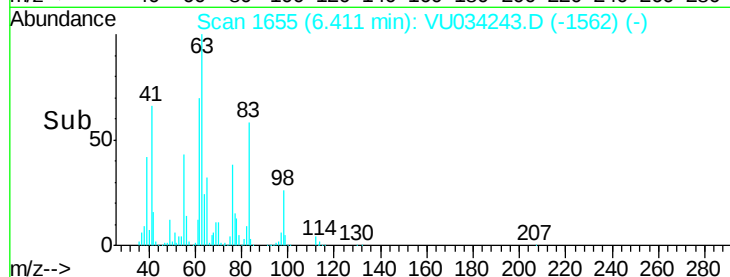
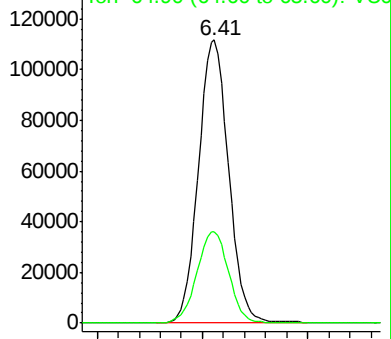
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Abundance Ion 62.90 (62.60 to 63.60): VU034018.D (-1637) (-)



#46

Dibromomethane

Concen: 49.822 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

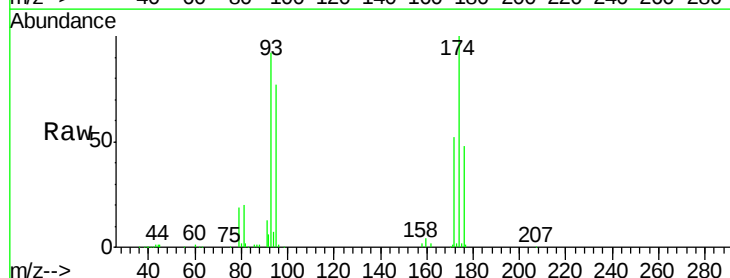
Tgt Ion: 93 Resp: 142805

Ion Ratio Lower Upper

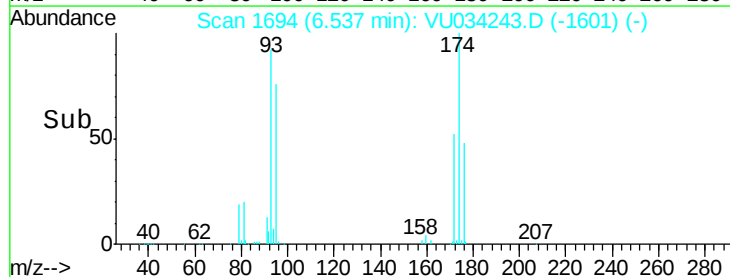
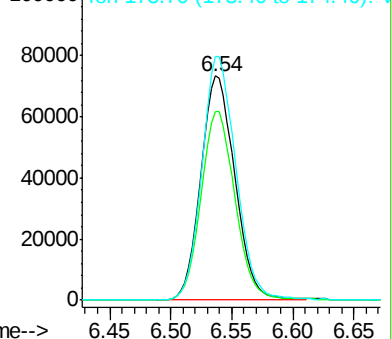
93 100

95 83.4 66.7 100.1

174 107.6 84.9 127.3



Abundance Ion 92.80 (92.50 to 93.50): VU034018.D (-1680) (-)





#47

Bromodichloromethane

Concen: 50.567 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

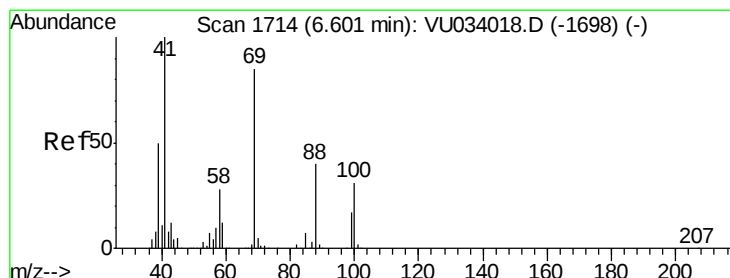
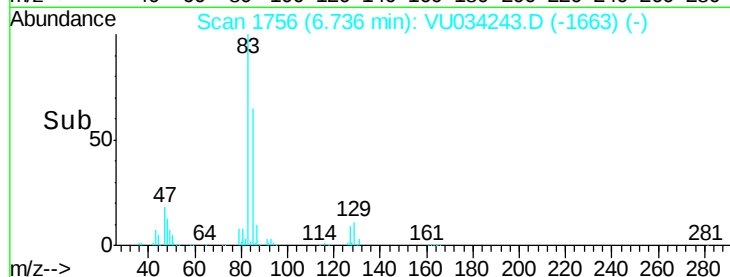
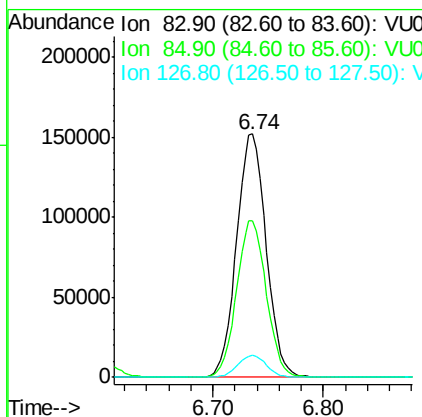
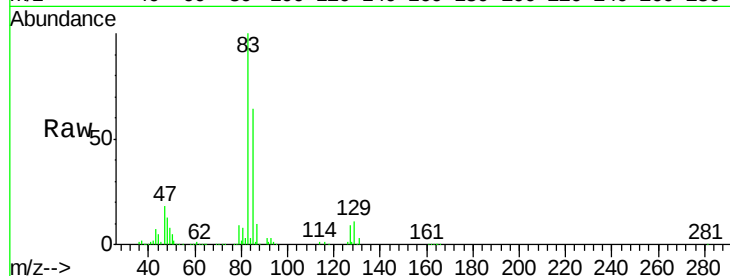
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	283573
Ion	Ratio	Lower	Upper
83	100		
85	64.1	51.2	76.8
127	8.8	7.0	10.6

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#48

Methyl methacrylate

Concen: 49.053 ug/l

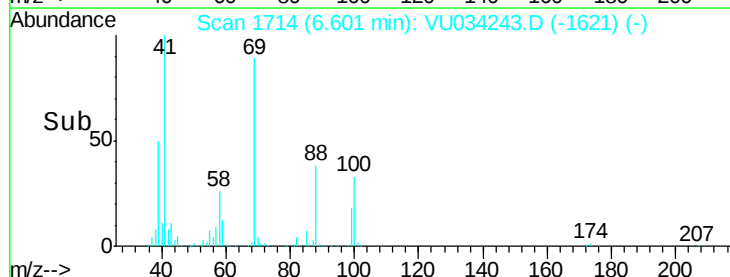
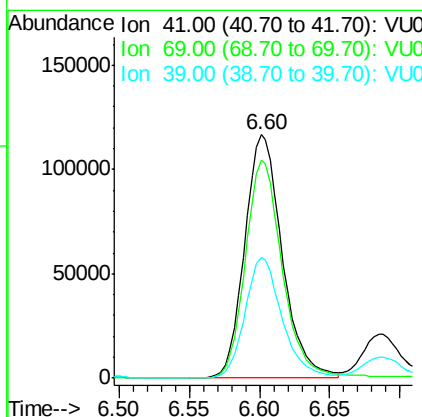
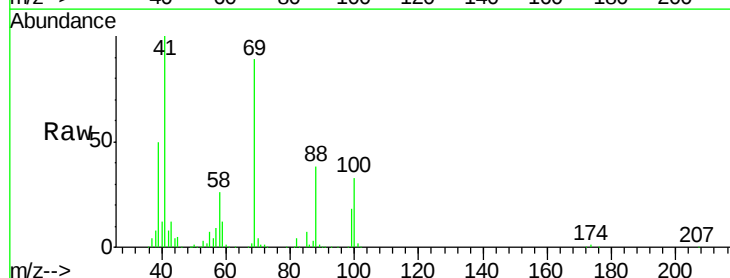
RT: 6.60 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	41	Resp:	215415
Ion	Ratio	Lower	Upper
41	100		
69	89.5	69.5	104.3
39	48.9	40.3	60.5





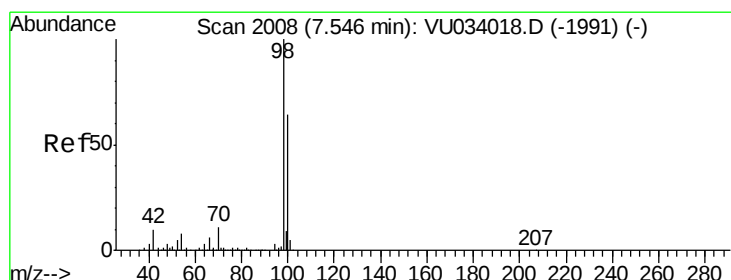
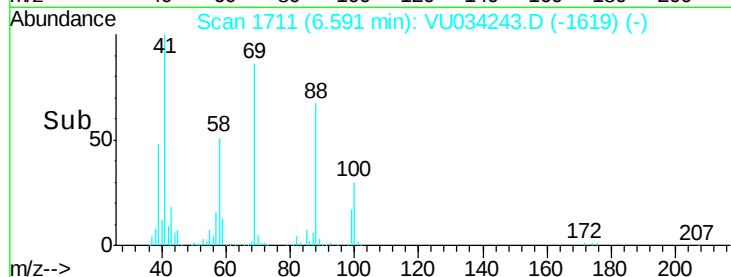
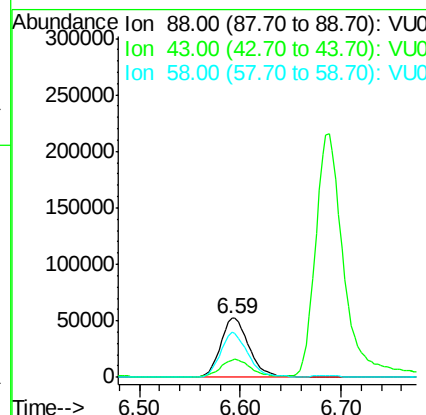
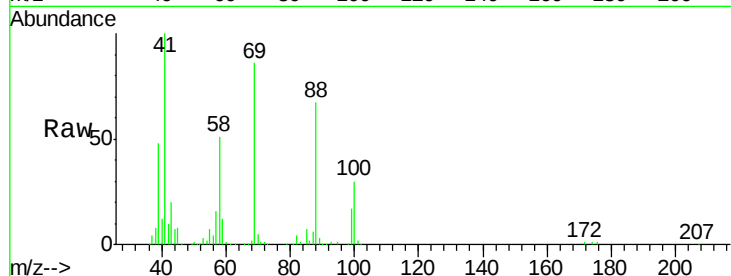
#49
1,4-Dioxane
Concen: 927.564 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	29.8	24.8	37.2	
58	74.3	59.3	88.9	

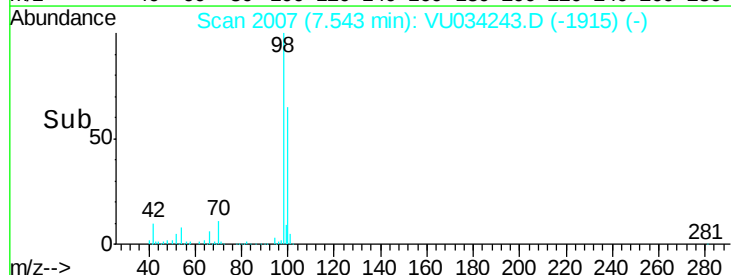
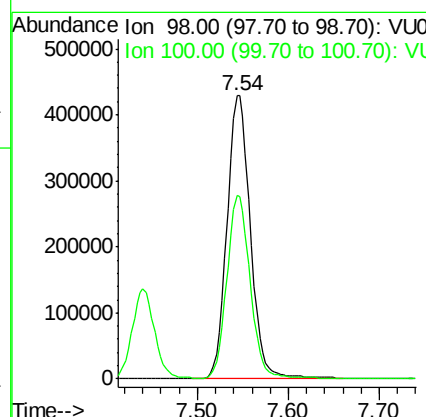
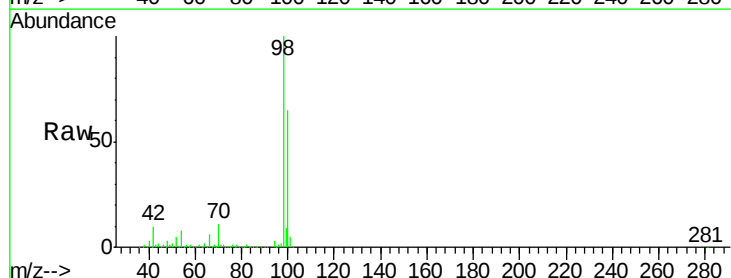
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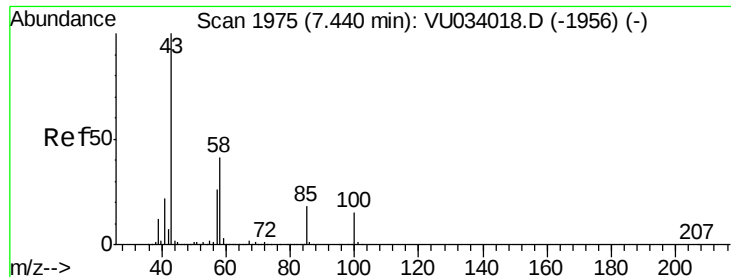
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#50
Toluene-d8
Concen: 52.422 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	63.6	50.3	75.5	





#51

4-Methyl-2-Pentanone

Concen: 239.993 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1508314

Ion Ratio Lower Upper

43 100

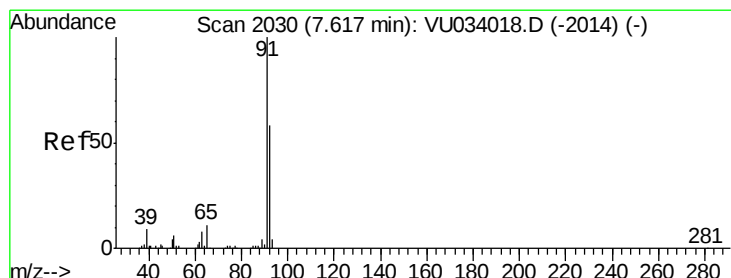
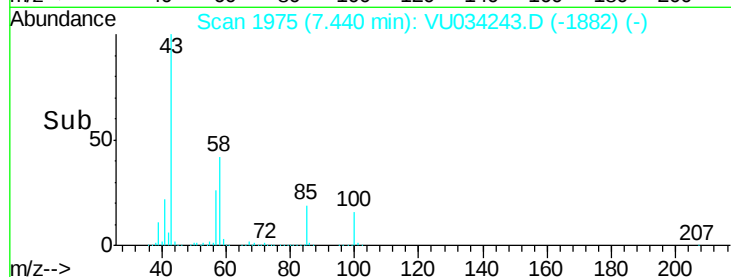
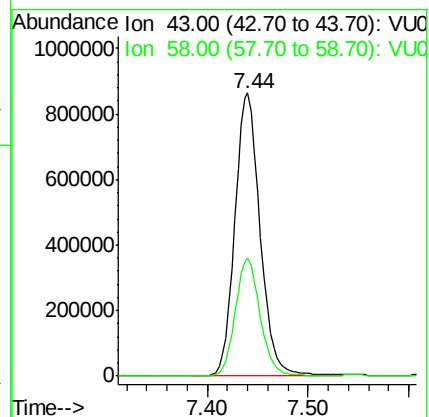
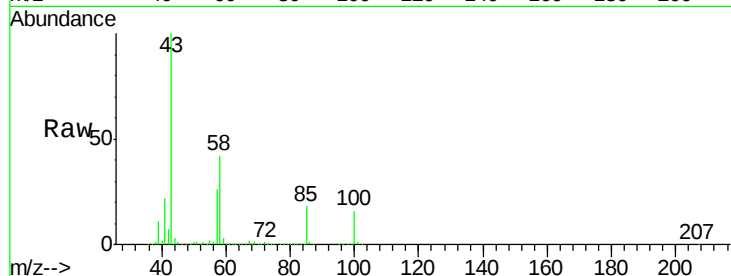
58 41.0 32.2 48.4

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#52

Toluene

Concen: 50.014 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034243.D

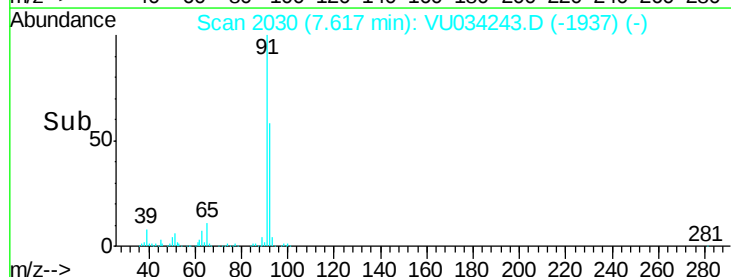
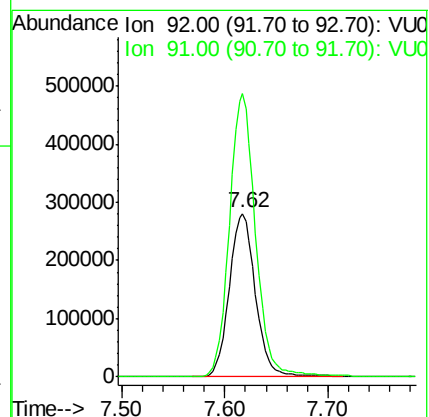
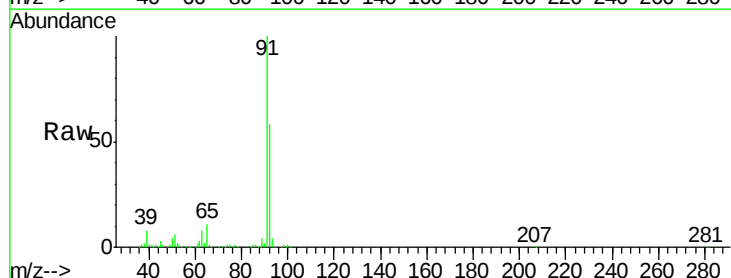
Acq: 04 Sep 2019 09:24

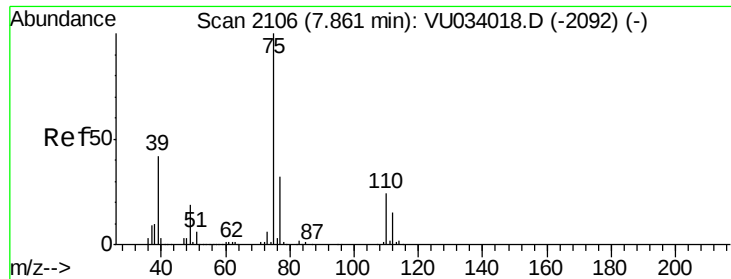
Tgt Ion: 92 Resp: 497940

Ion Ratio Lower Upper

92 100

91 173.0 138.3 207.5





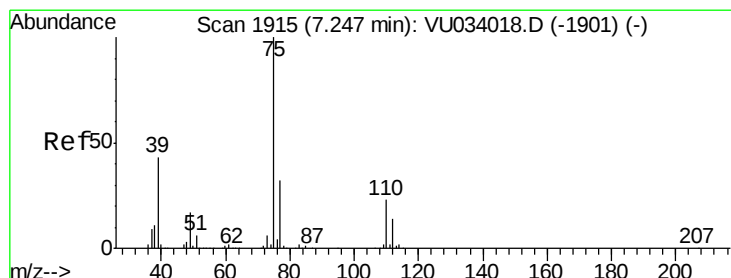
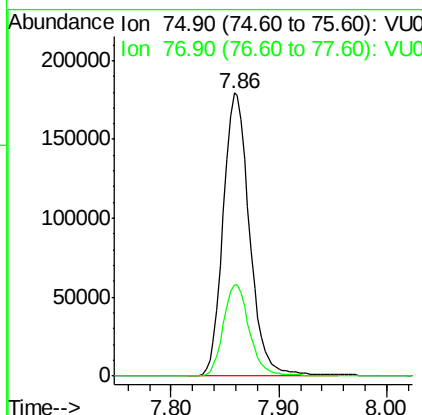
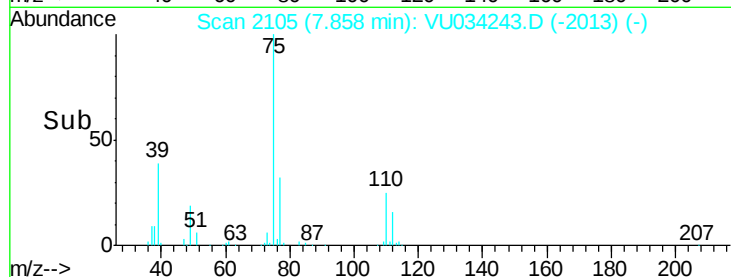
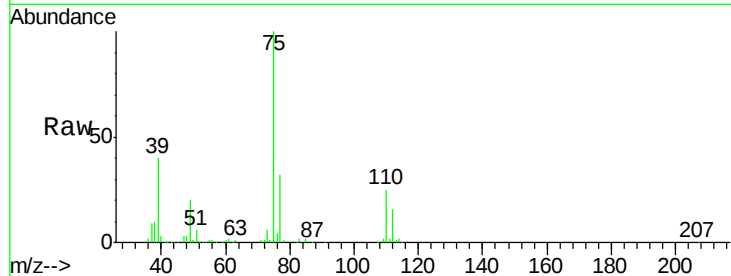
#53
 t-1,3-Dichloropropene
 Concen: 49.359 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 307131
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0

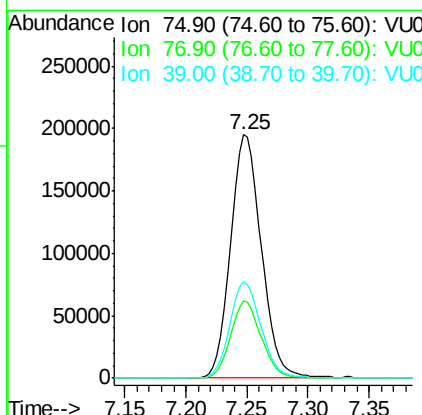
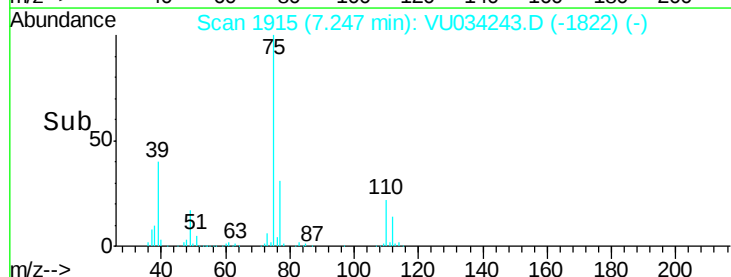
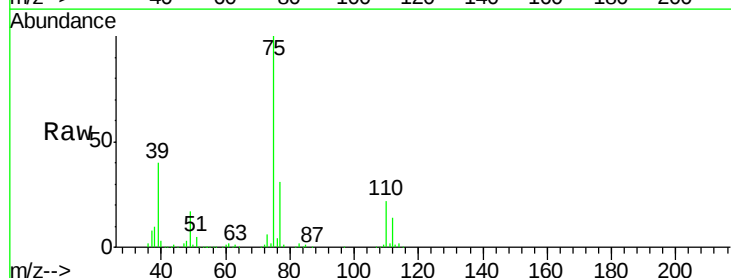
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#54
 cis-1,3-Dichloropropene
 Concen: 50.479 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 75 Resp: 343159
 Ion Ratio Lower Upper
 75 100
 77 31.5 25.2 37.8
 39 39.5 34.6 51.8





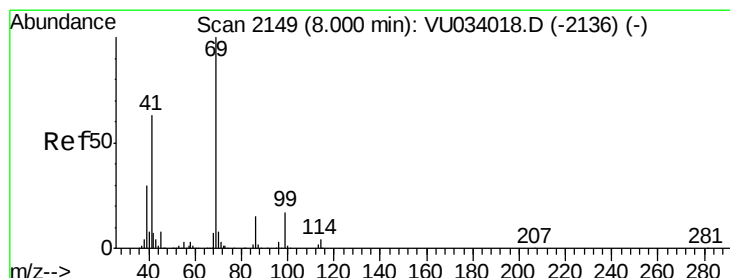
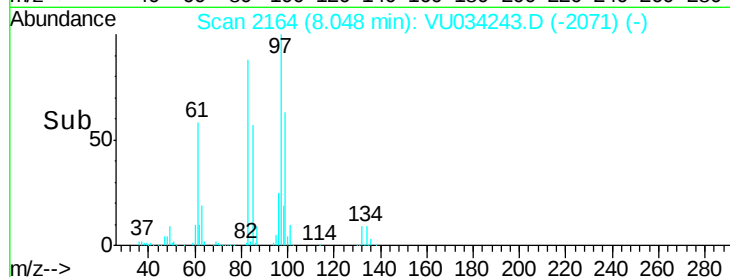
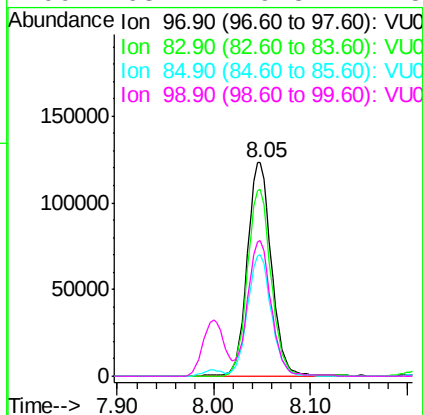
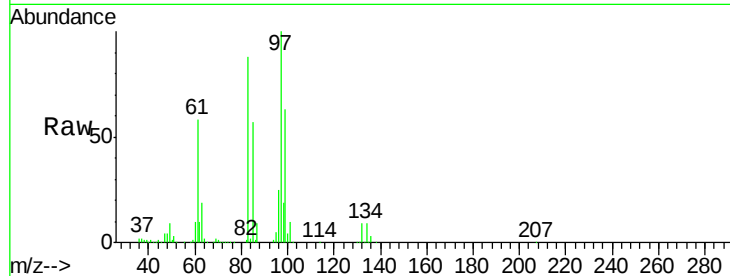
#55
 1,1,2-Trichloroethane
 Concen: 50.592 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		213057		
83	87.6	70.1	105.1		
85	56.6	45.0	67.4		
99	63.2	49.8	74.8		

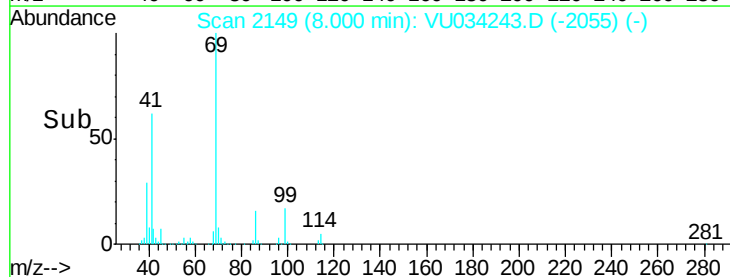
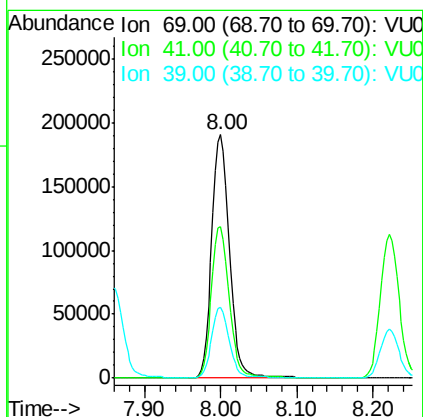
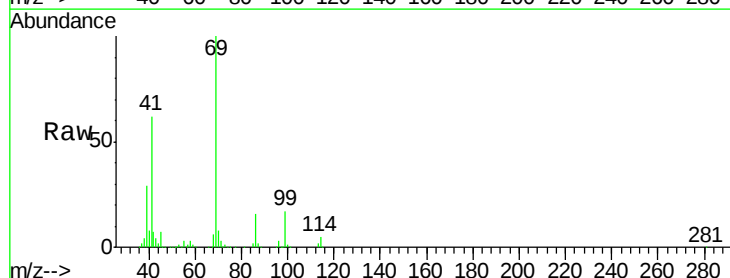
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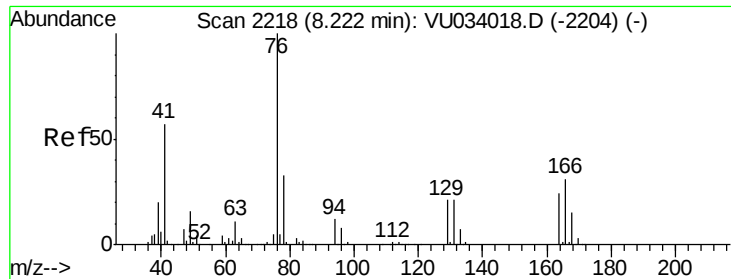
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#56
 Ethyl methacrylate
 Concen: 44.357 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		309072		
41	62.5	50.7	76.1		
39	28.6	24.2	36.2		





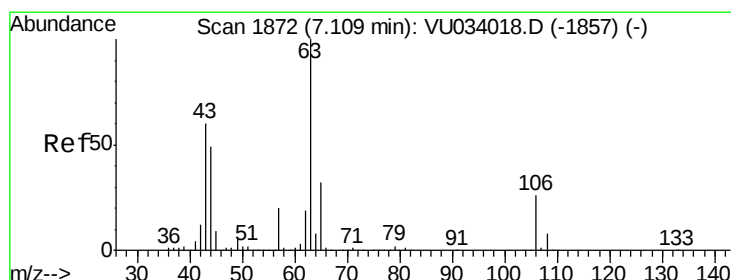
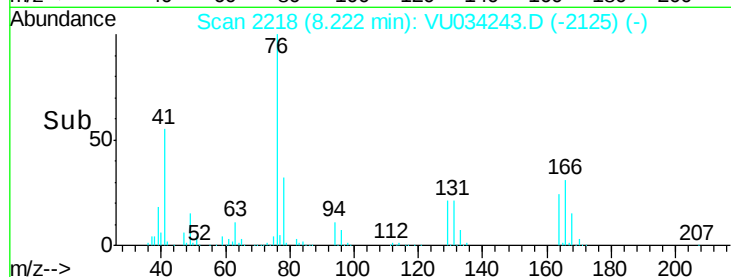
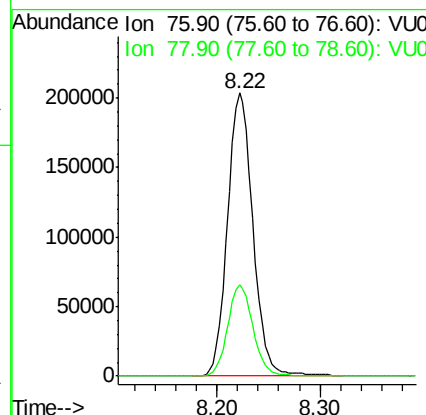
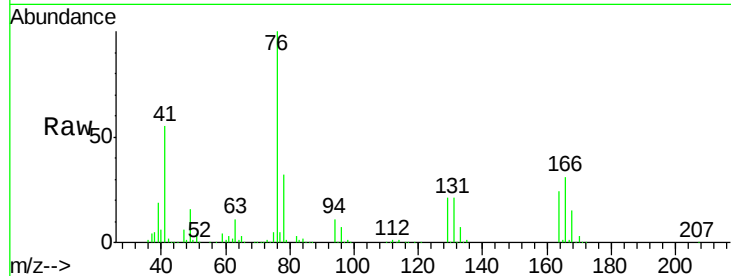
#57
 1,3-Dichloropropane
 Concen: 48.981 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 350242
 Ion Ratio Lower Upper
 76 100
 78 32.2 26.2 39.4

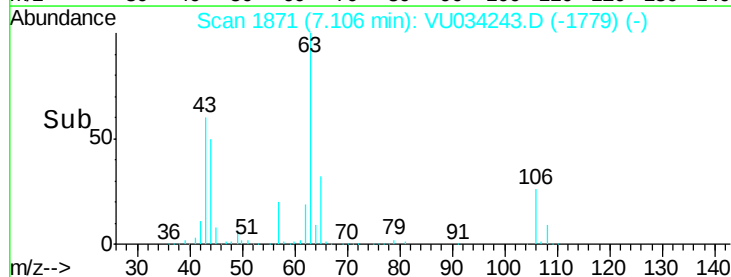
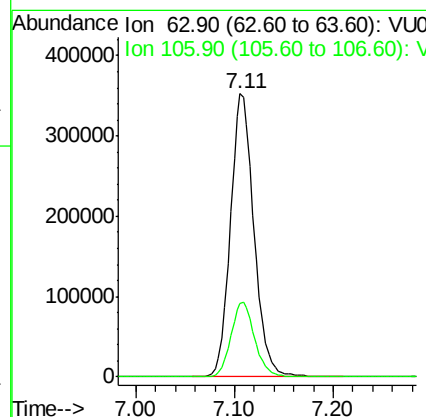
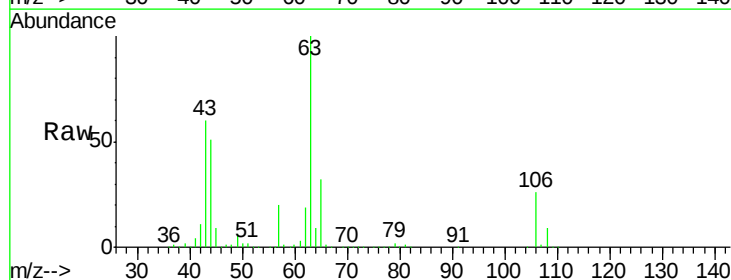
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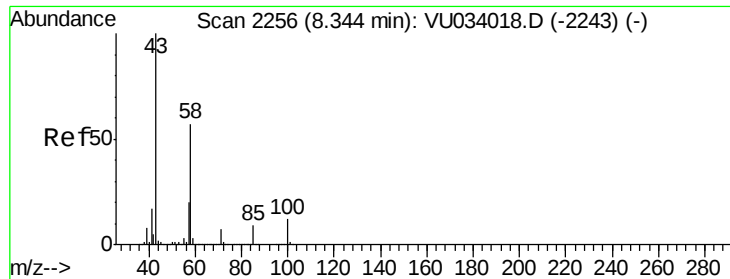
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#58
 2-Chloroethyl Vinyl ether
 Concen: 252.617 ug/l
 RT: 7.11 min Scan# 1871
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion: 63 Resp: 588548
 Ion Ratio Lower Upper
 63 100
 106 26.5 20.7 31.1





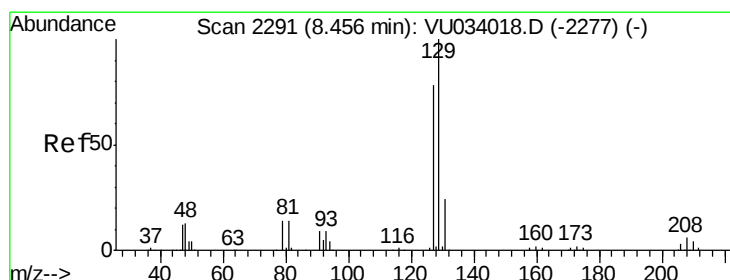
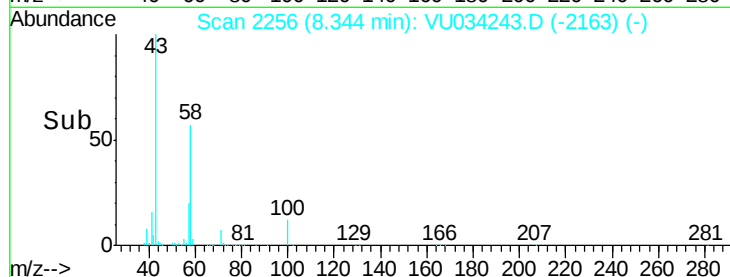
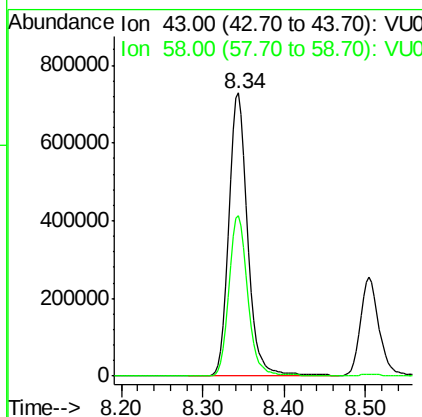
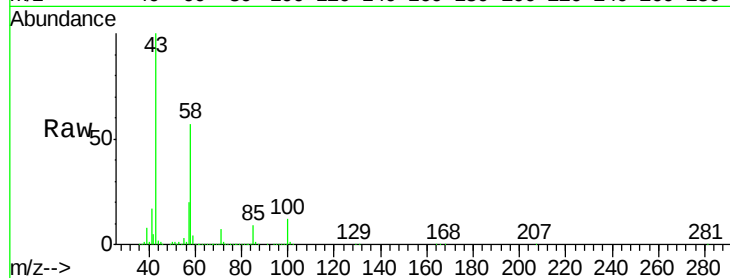
#59
2-Hexanone
Concen: 250.862 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1190213
Ion Ratio Lower Upper
43 100
58 57.0 28.4 85.3

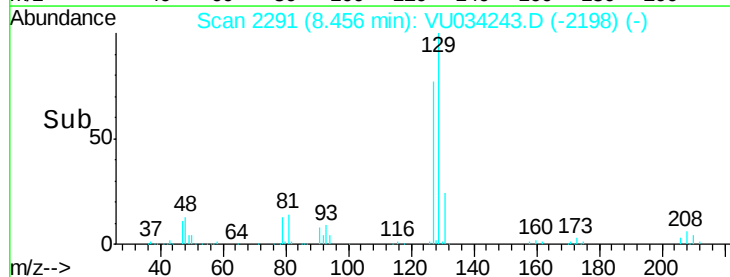
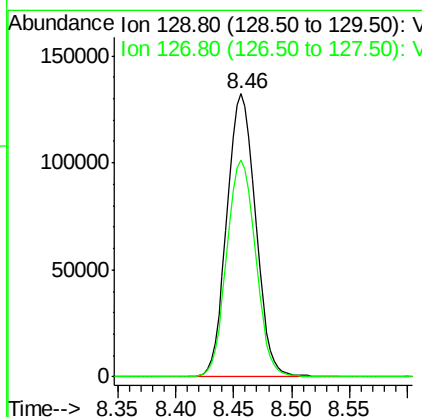
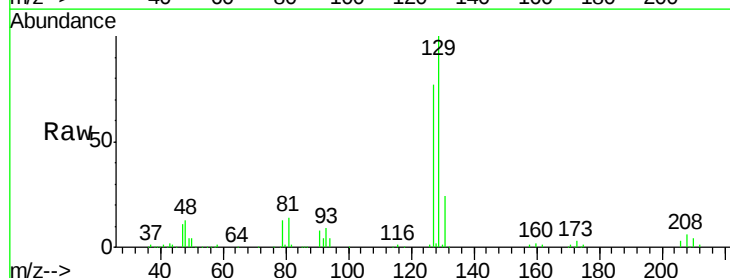
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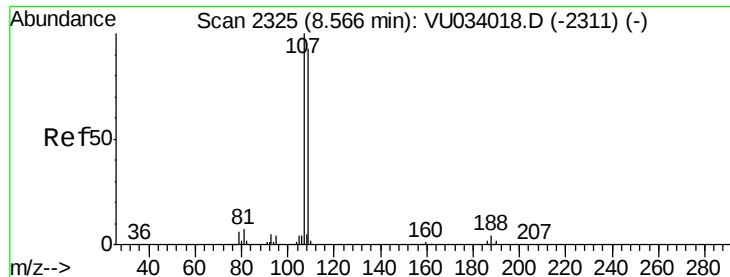
MMDadoda
9/5/2019 5:00:59 PM



#60
Dibromochloromethane
Concen: 50.303 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 129 Resp: 227395
Ion Ratio Lower Upper
129 100
127 77.1 39.0 116.9





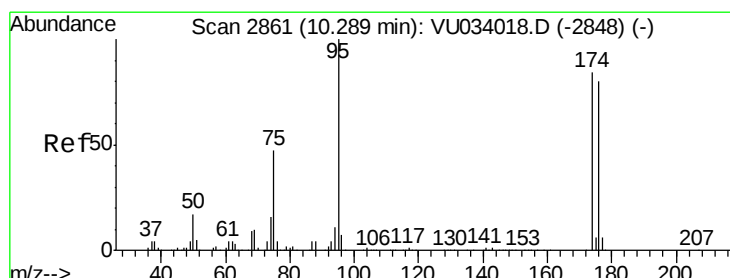
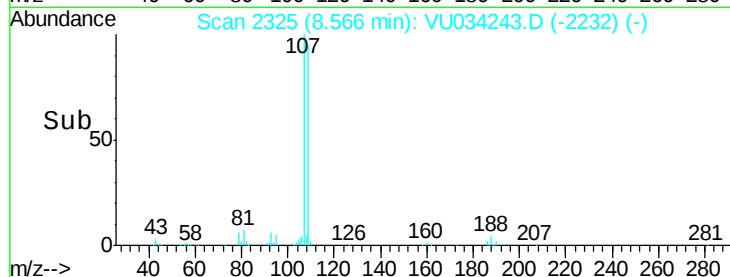
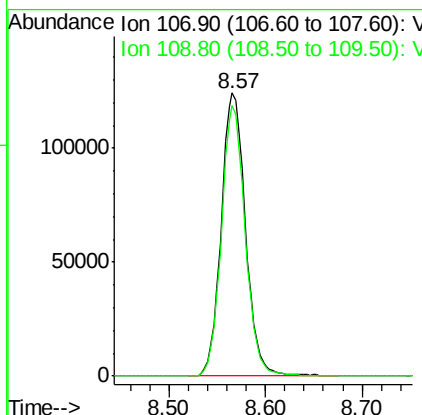
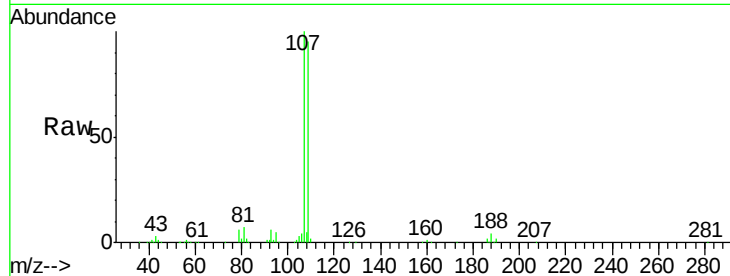
#61
 1,2-Dibromoethane
 Concen: 48.760 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	75.2	112.8

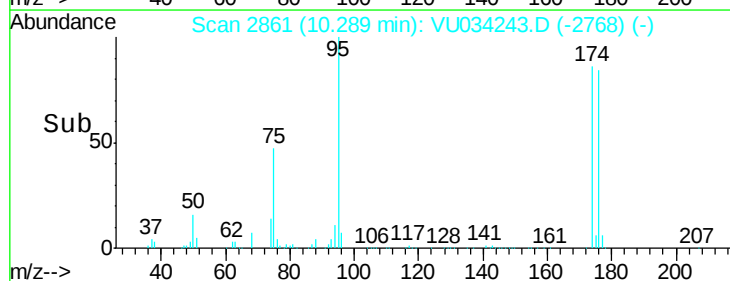
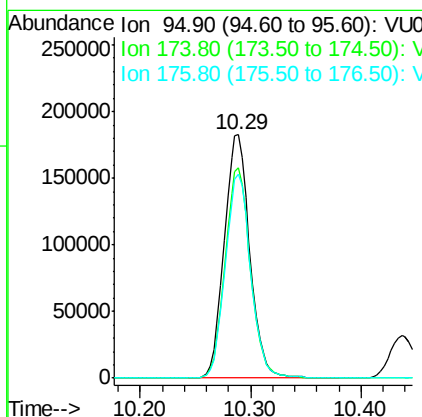
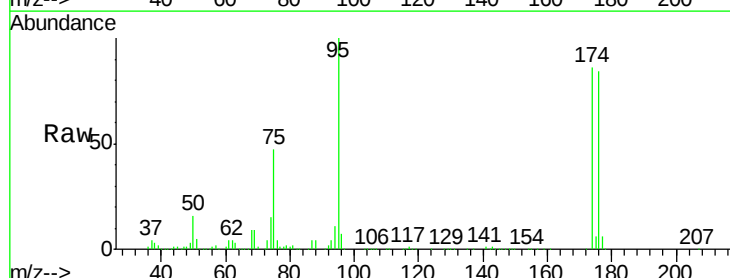
Manual Integrations
 APPROVED

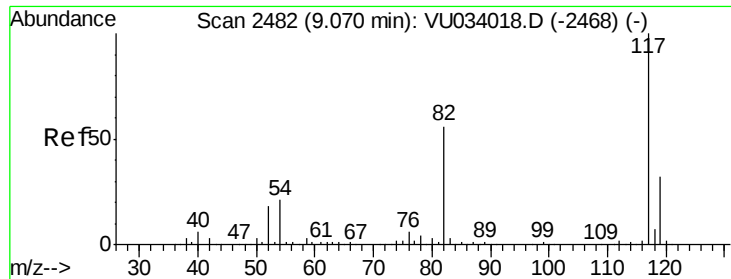
MMDadoda
 9/5/2019 5:00:59 PM



#62
 4-Bromofluorobenzene
 Concen: 51.543 ug/l
 RT: 10.29 min Scan# 2861
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.7	0.0	168.8
176	83.4	0.0	161.8





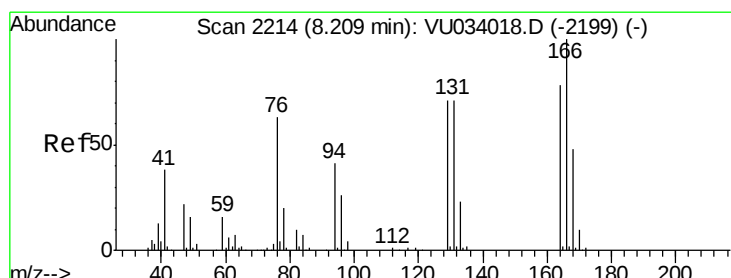
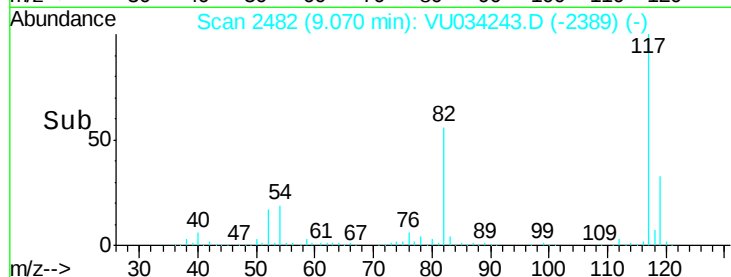
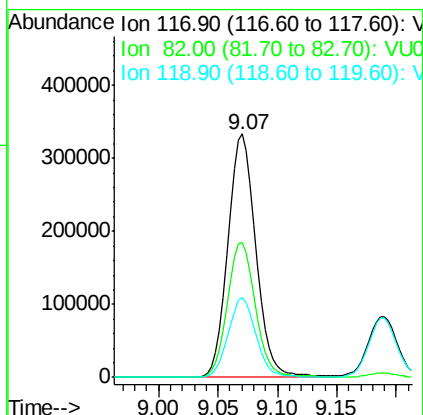
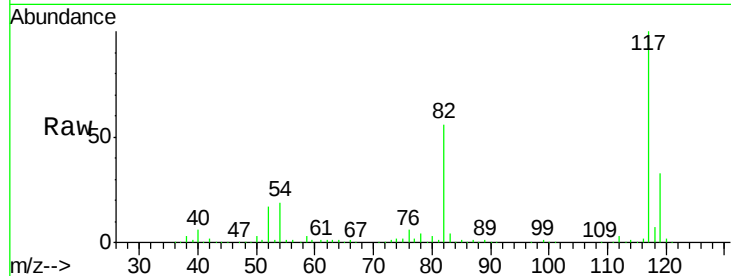
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.1	67.7
119	32.9	25.4	38.0

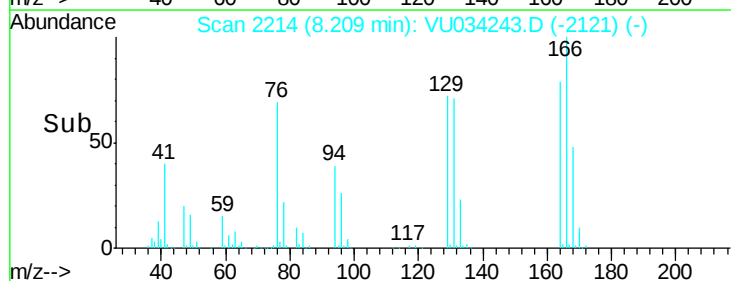
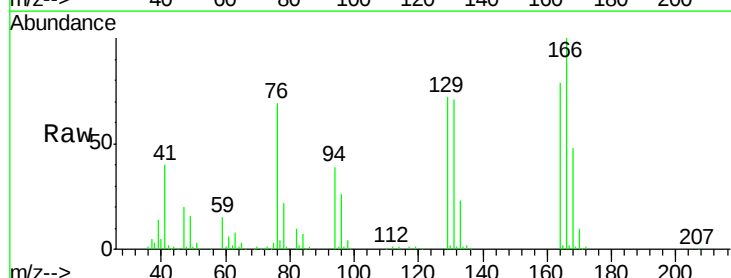
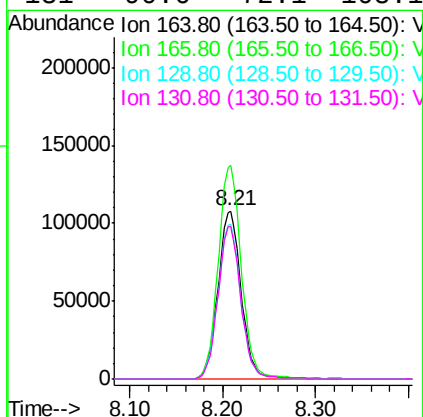
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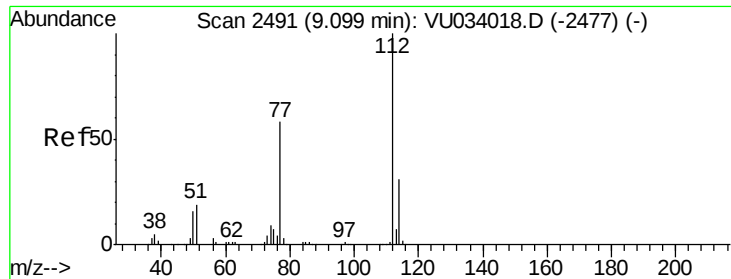
MMDadoda
9/5/2019 5:00:59 PM



#64
Tetrachloroethene
Concen: 51.194 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.2	153.2
129	92.1	72.4	108.6
131	90.6	72.1	108.1





#65

Chlorobenzene

Concen: 48.918 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 549197

Ion Ratio Lower Upper

112 100

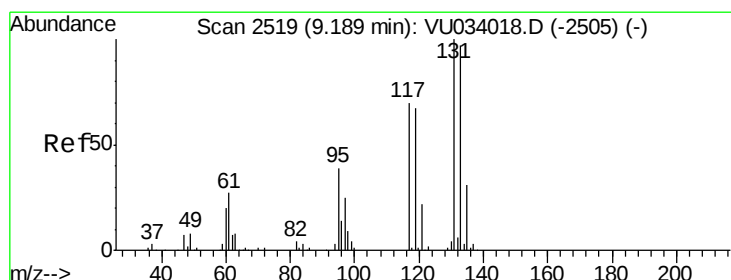
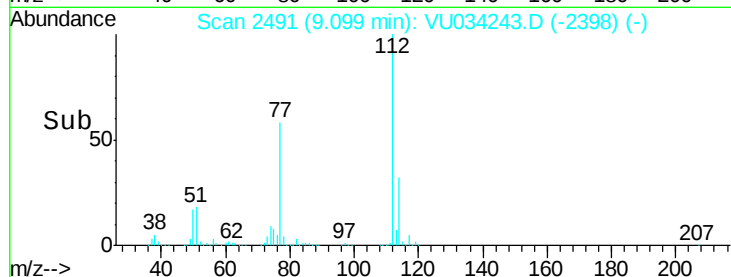
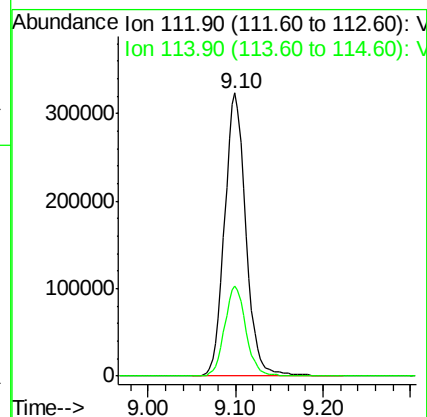
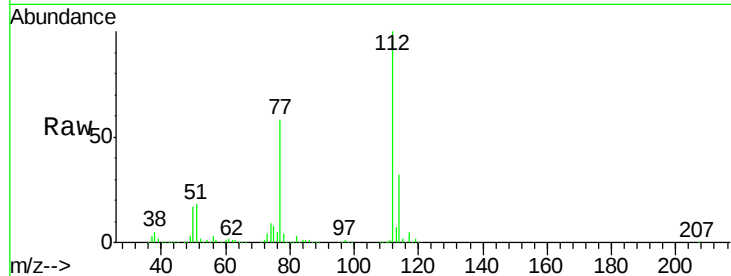
114 31.8 25.0 37.4

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 49.185 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

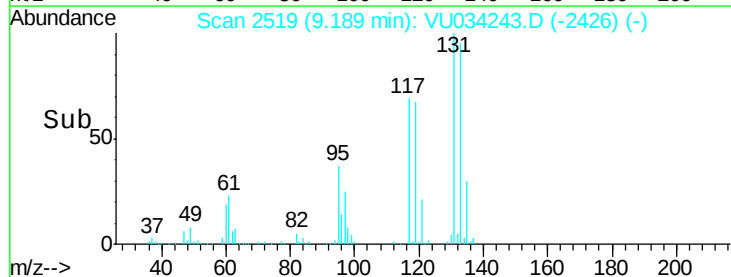
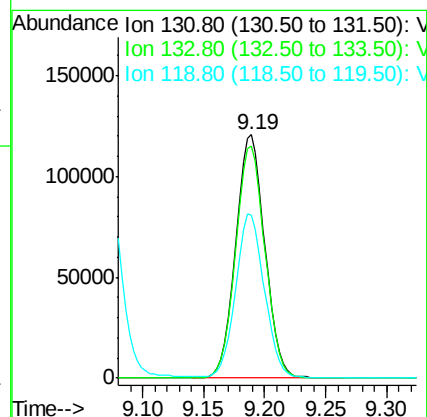
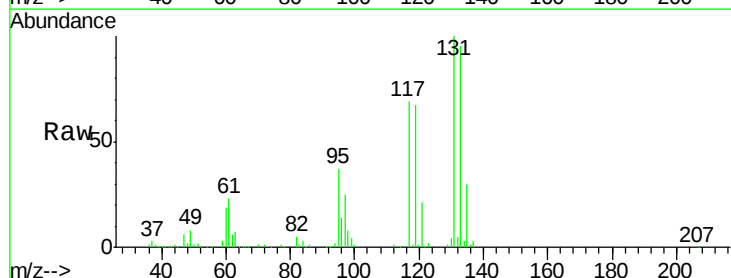
Tgt Ion:131 Resp: 200232

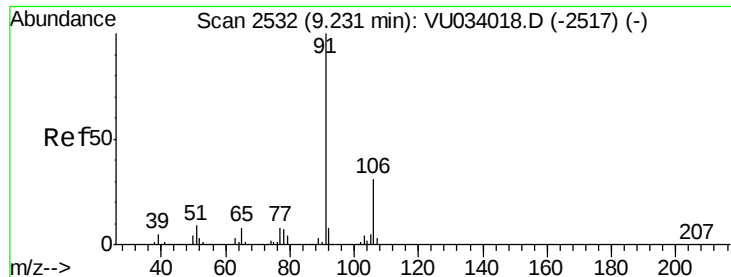
Ion Ratio Lower Upper

131 100

133 96.3 48.4 145.2

119 66.4 33.6 100.6





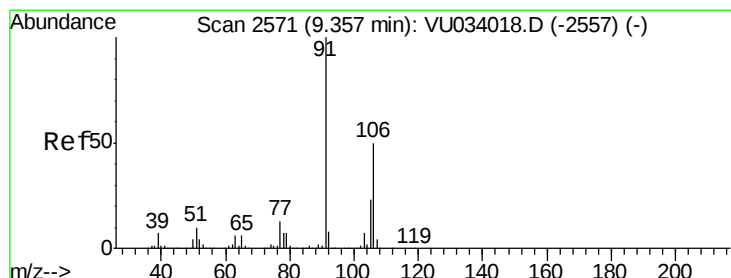
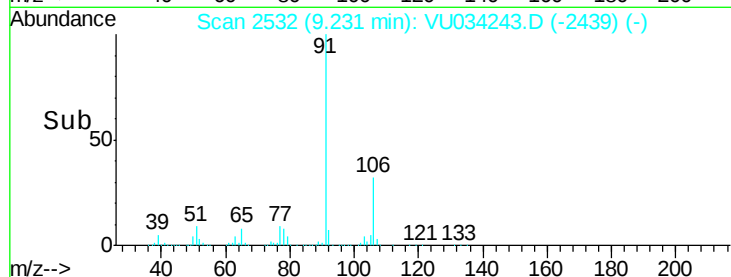
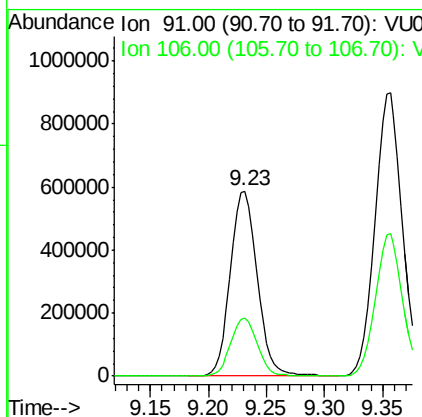
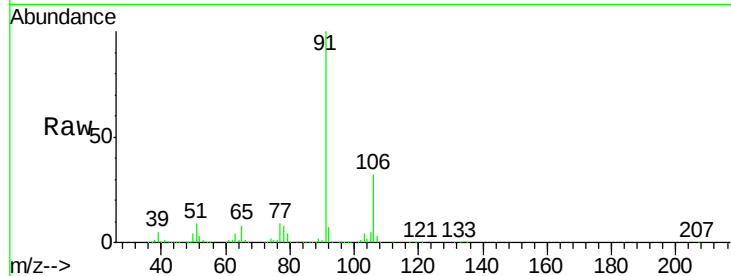
#67
Ethyl Benzene
Concen: 49.701 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 945862
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

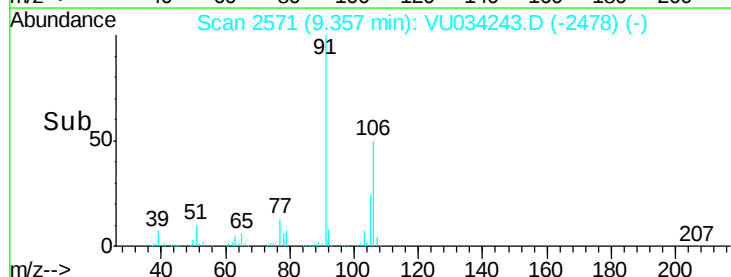
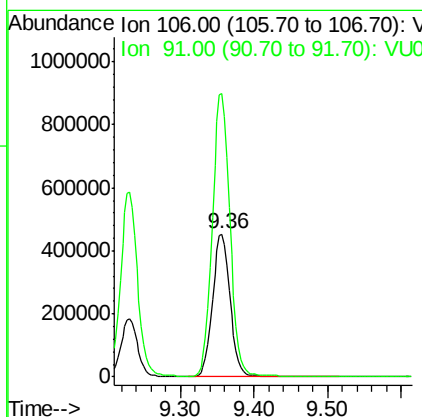
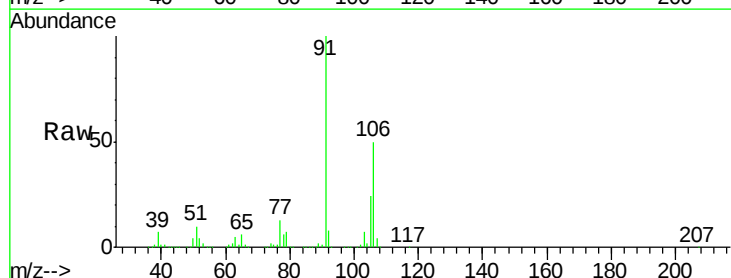
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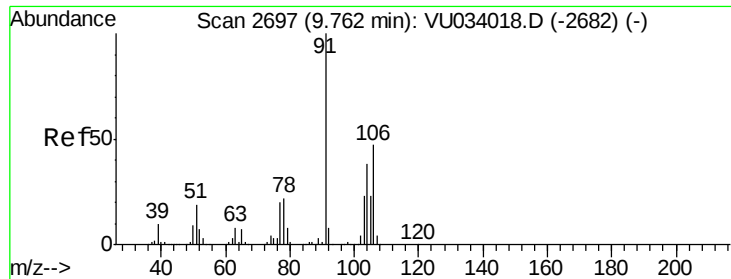
MMDadoda
9/5/2019 5:00:59 PM



#68
m/p-Xylenes
Concen: 103.243 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion: 106 Resp: 747098
Ion Ratio Lower Upper
106 100
91 199.9 161.6 242.4





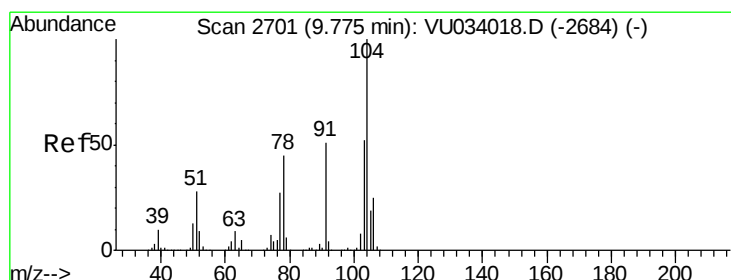
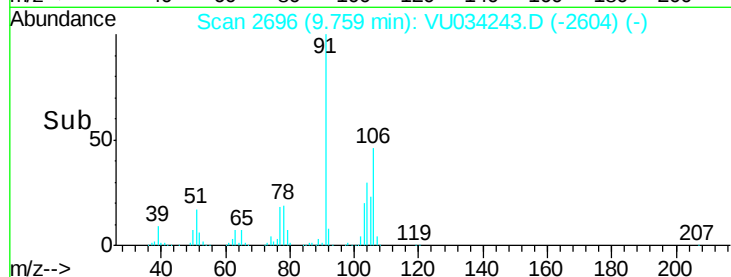
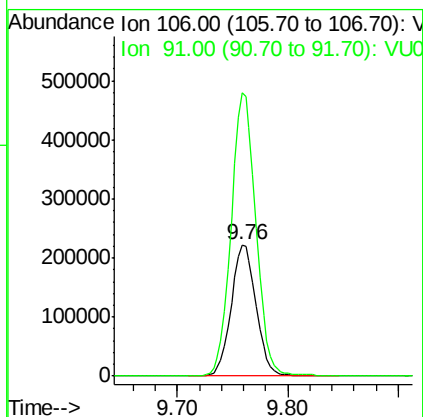
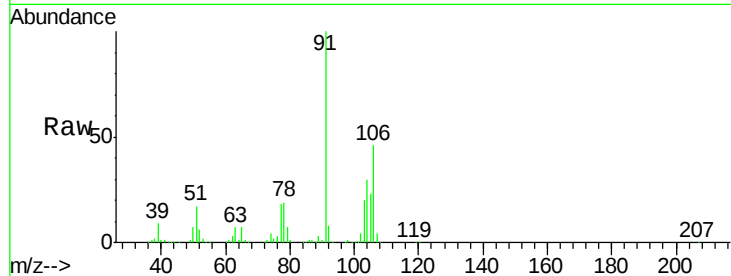
#69
o-Xylene
Concen: 50.128 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	106.0	318.0

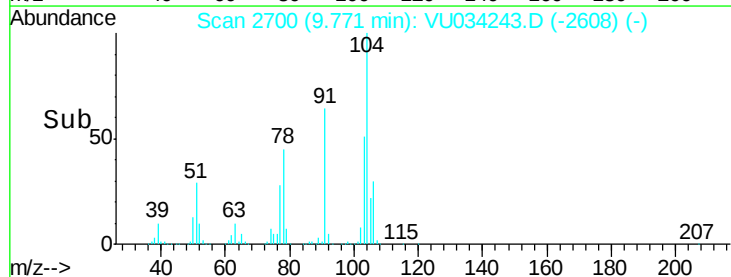
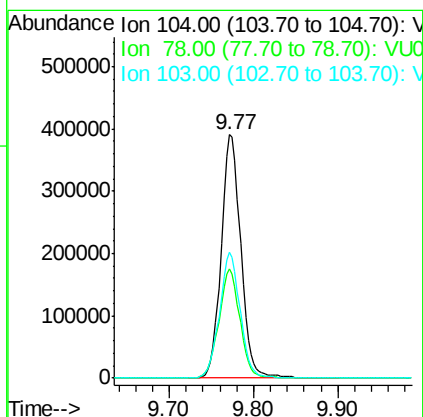
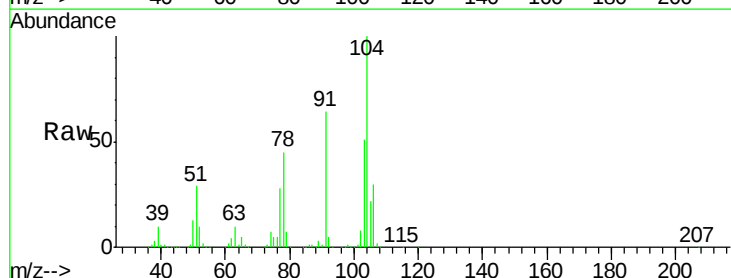
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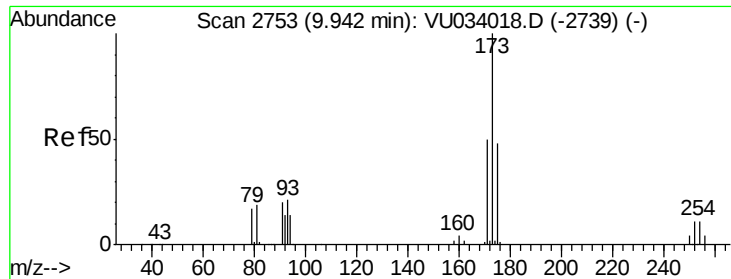
MMDadoda
9/5/2019 5:00:59 PM



#70
Styrene
Concen: 53.325 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.9	39.0	58.4
103	54.4	44.0	66.0





#71

Bromoform

Concen: 49.596 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

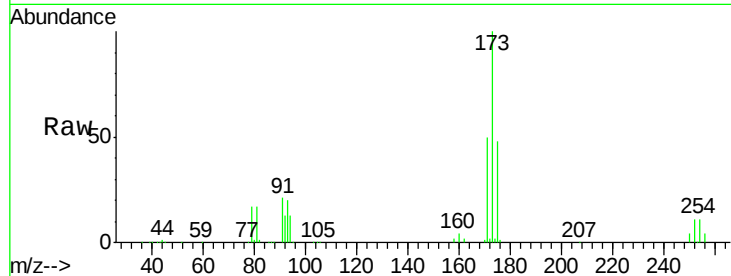
ClientSampleId :

VSTDCCC050

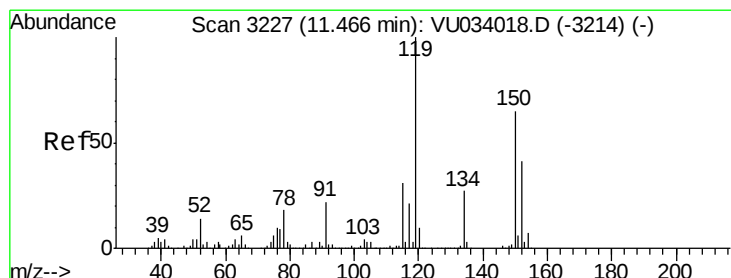
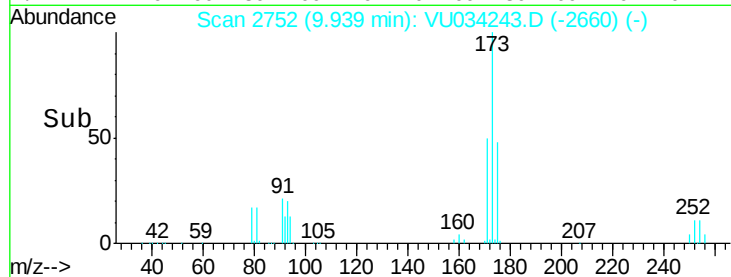
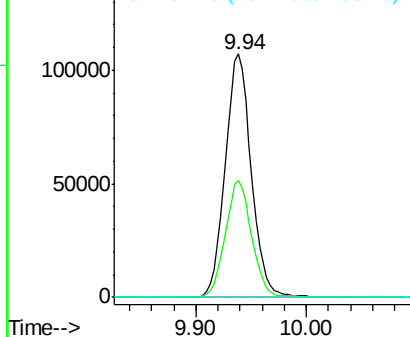
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.6	73.6
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

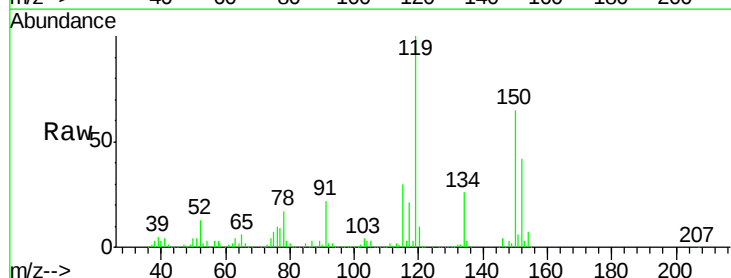
RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

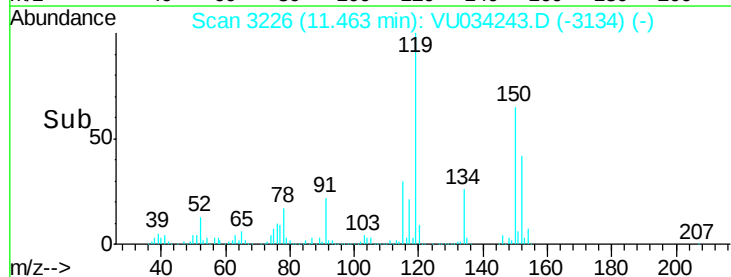
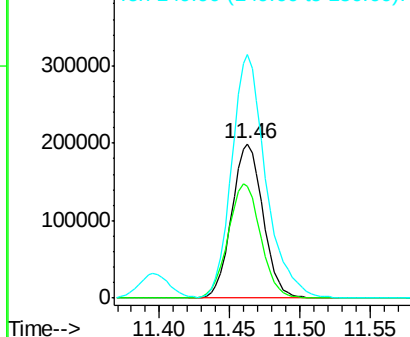
Lab File: VU034243.D

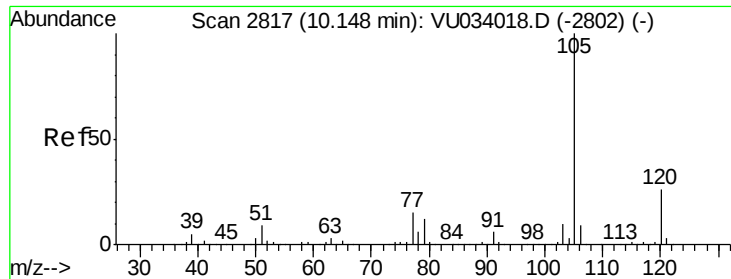
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
152	100		
115	76.9	41.1	123.3
150	172.0	0.0	348.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





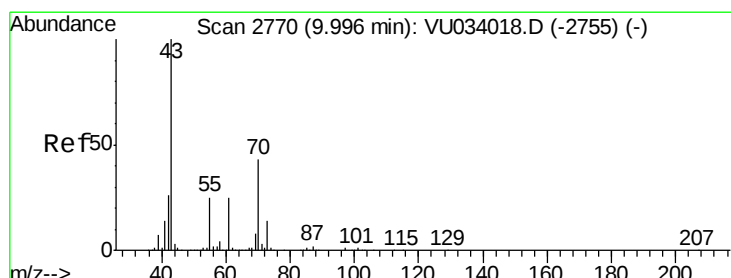
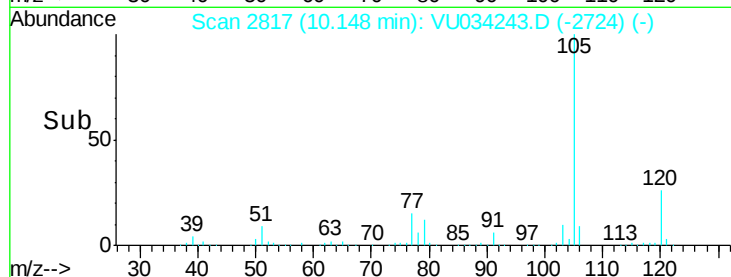
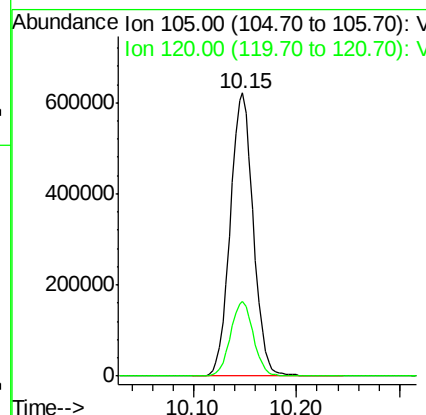
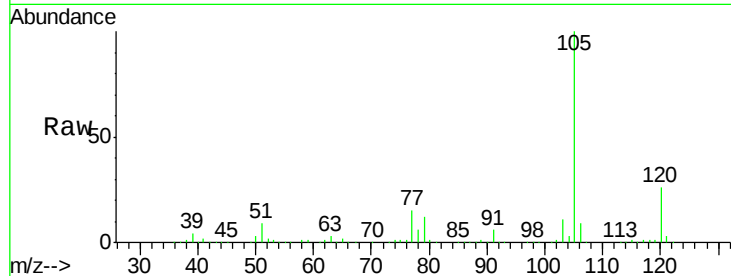
#73
Isopropylbenzene
Concen: 46.508 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.3	39.8

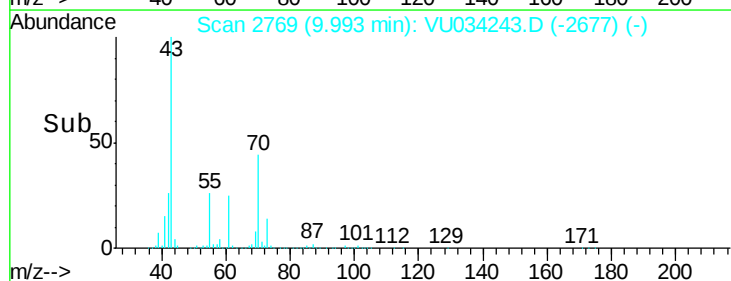
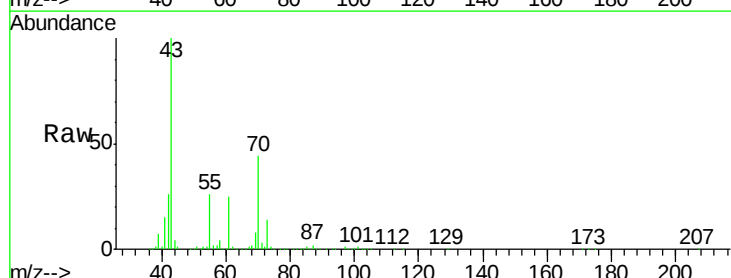
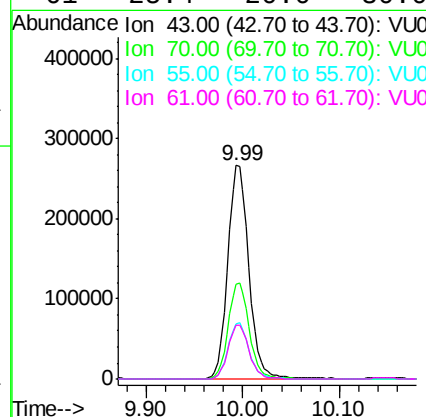
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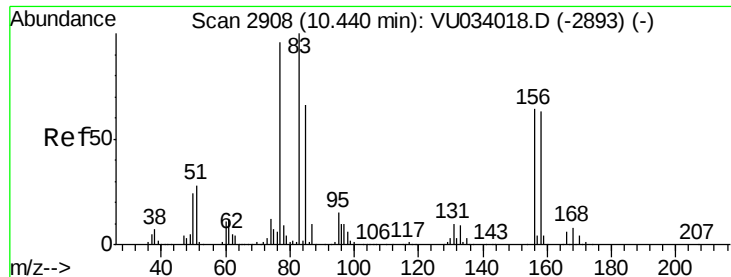
MMDadoda
9/5/2019 5:00:59 PM



#74
N-ethyl acetate
Concen: 46.165 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.7	35.2	52.8
55	26.6	20.5	30.7
61	25.4	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 44.537 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

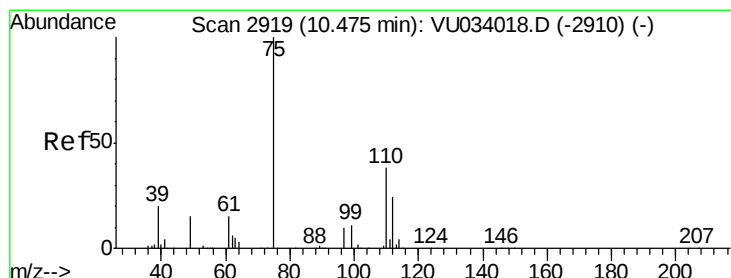
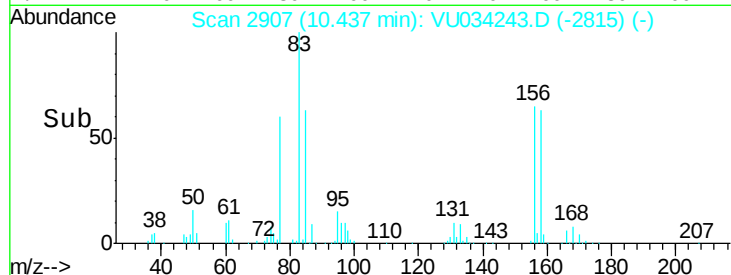
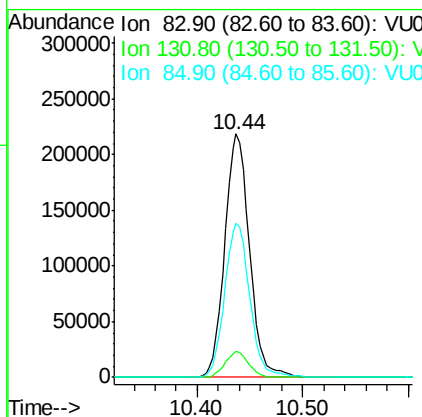
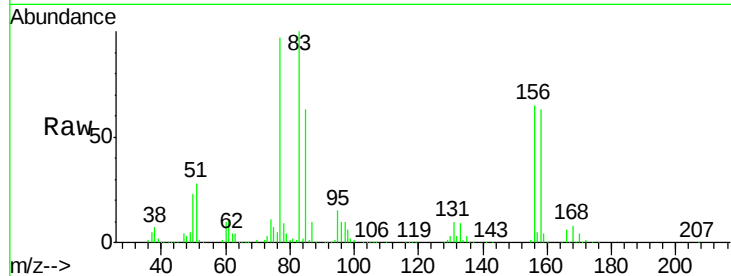
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	353775
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.3	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 44.846 ug/l m

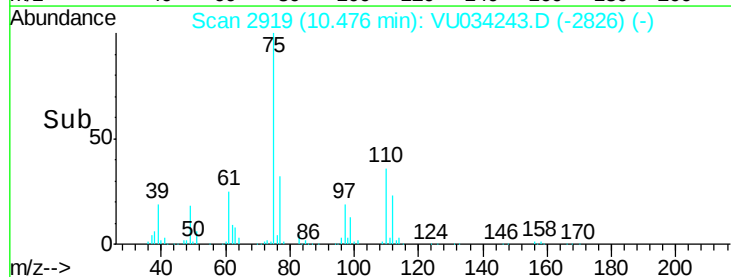
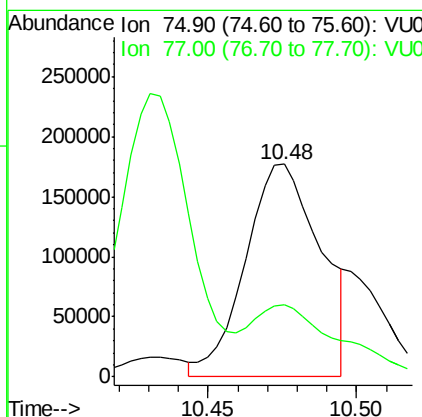
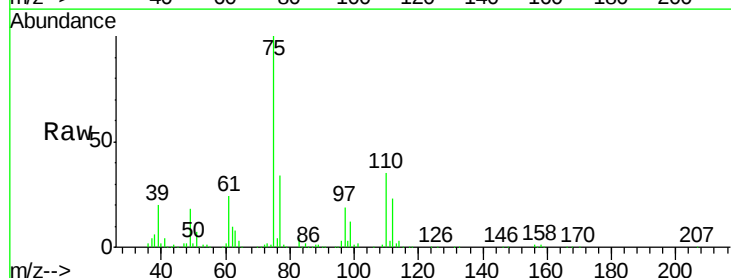
RT: 10.48 min Scan# 2919

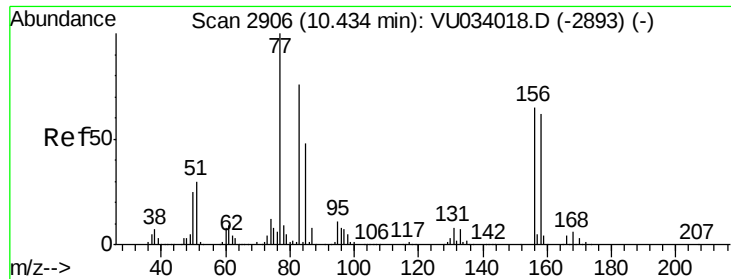
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	75	Resp:	312289
Ion Ratio	Lower	Upper	
75	100		
77	40.0	20.1	60.2





#77

Bromobenzene

Concen: 45.301 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

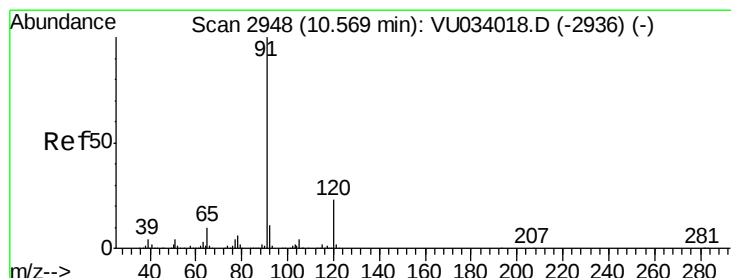
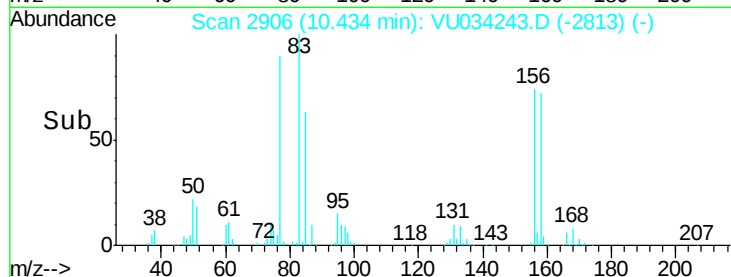
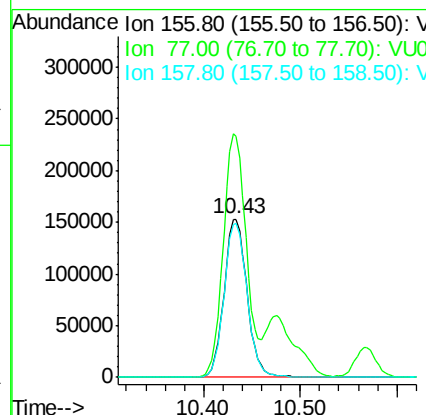
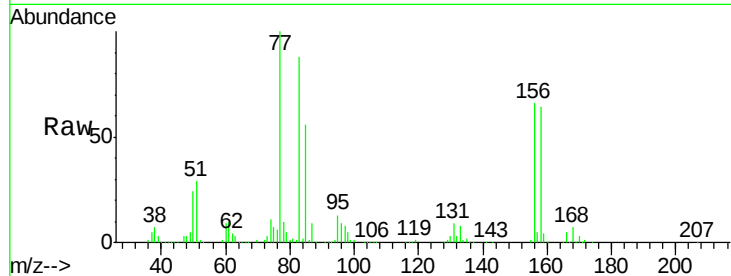
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	252903
Ion Ratio	Lower	Upper	
156	100		
77	155.1	76.8	230.5
158	97.7	48.4	145.0

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#78

n-propylbenzene

Concen: 47.444 ug/l

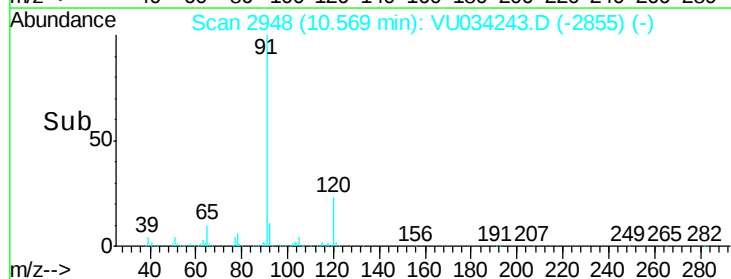
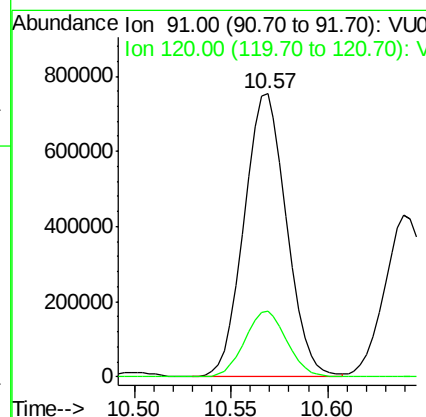
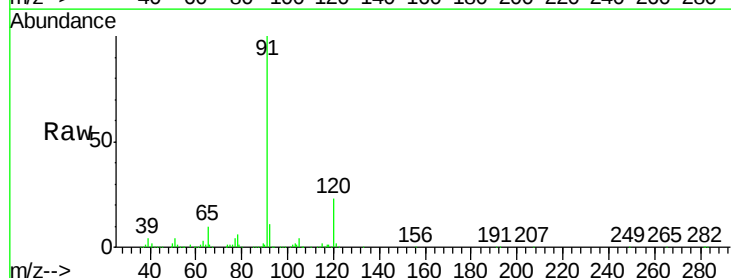
RT: 10.57 min Scan# 2948

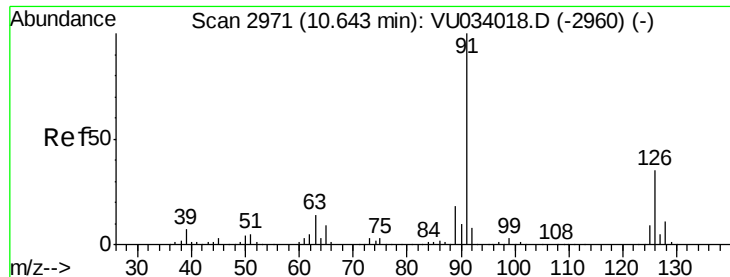
Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Tgt Ion:	91	Resp:	1146688
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0





#79

2-Chlorotoluene

Concen: 46.189 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 669595

Ion Ratio Lower Upper

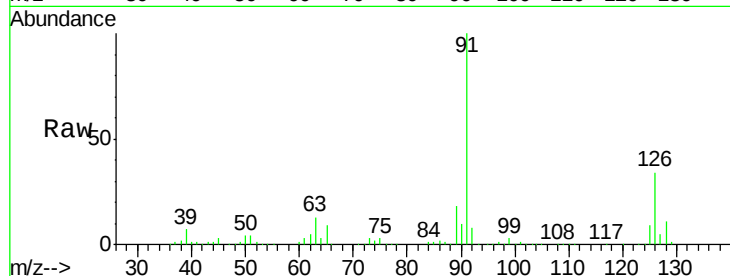
91 100

126 34.5 17.1 51.2

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

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

800000

600000

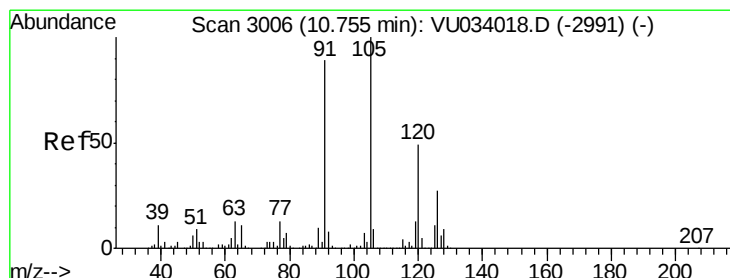
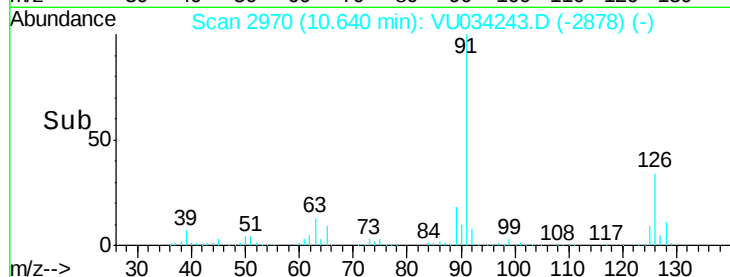
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 48.426 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VU034243.D

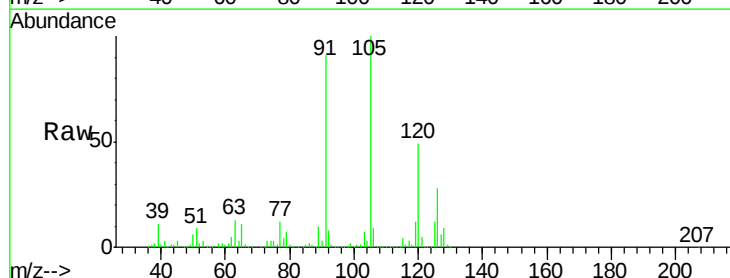
Acq: 04 Sep 2019 09:24

Tgt Ion: 105 Resp: 851796

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.6



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

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

600000

500000

400000

300000

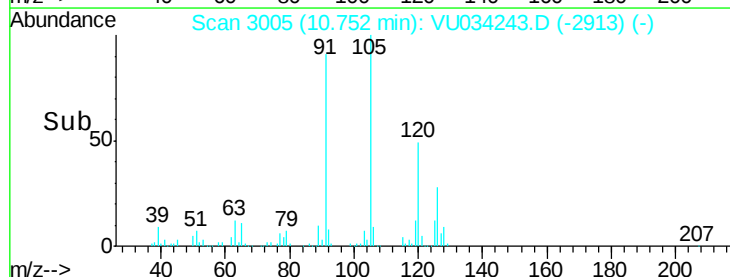
200000

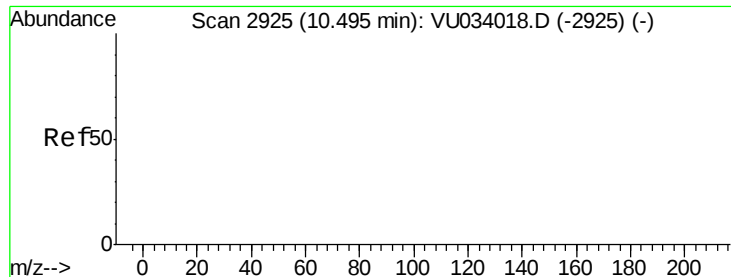
100000

0

10.70 10.80

Time-->





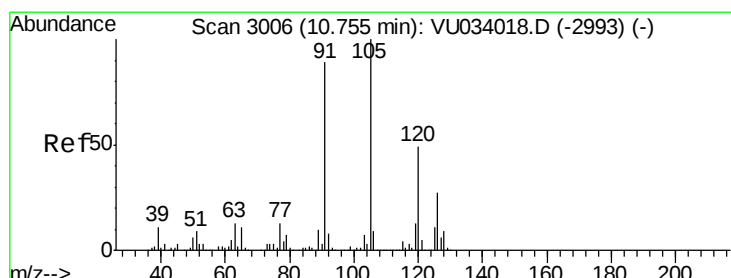
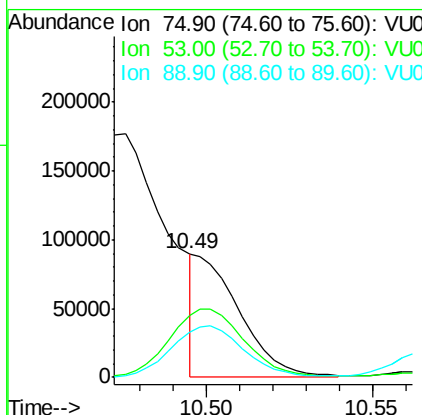
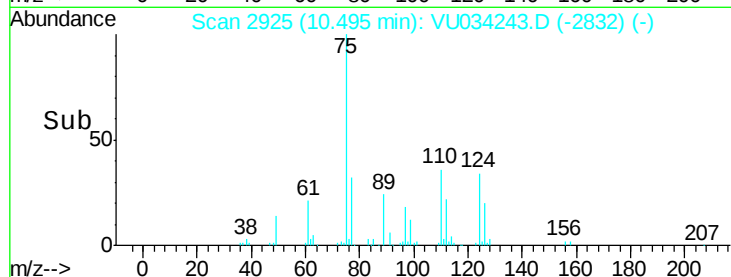
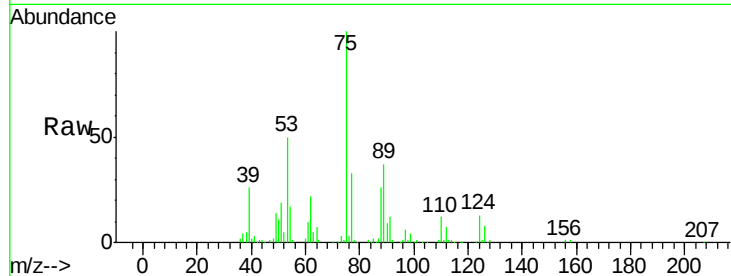
#81
trans-1,4-Dichloro-2-butene
Concen: 40.003 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

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

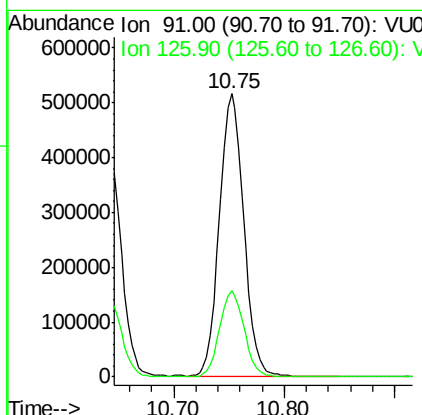
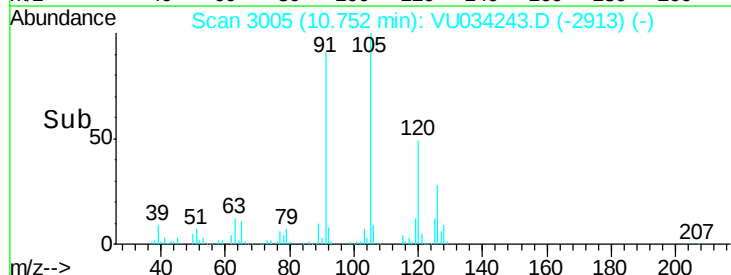
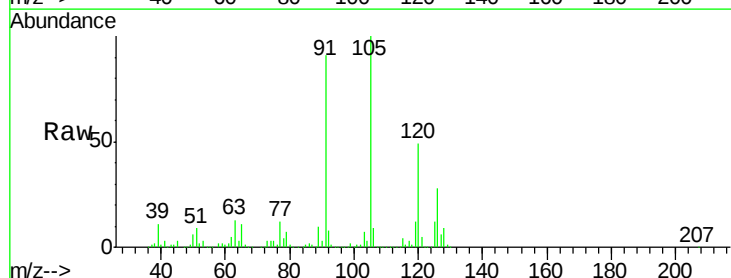
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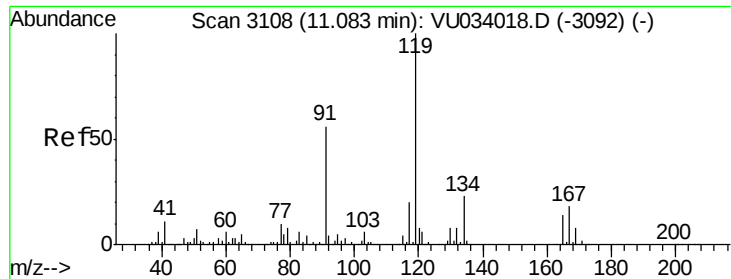
MMDadoda
9/5/2019 5:00:59 PM



#82
4-Chlorotoluene
Concen: 47.363 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.7	15.0	45.1





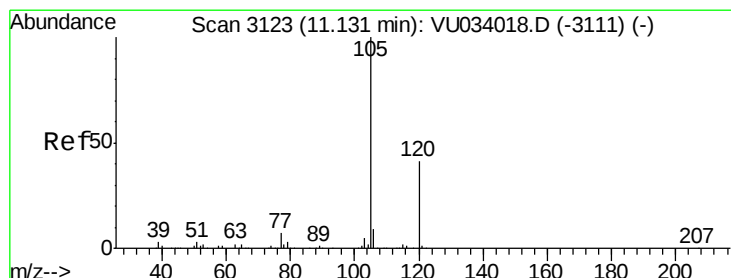
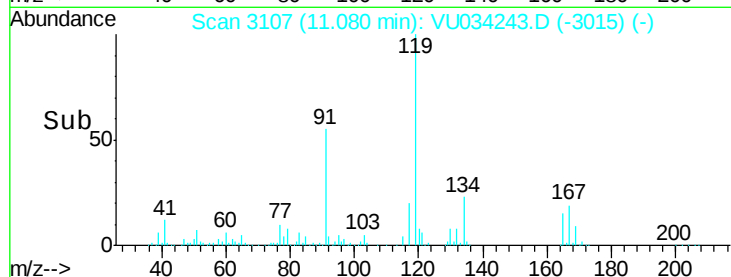
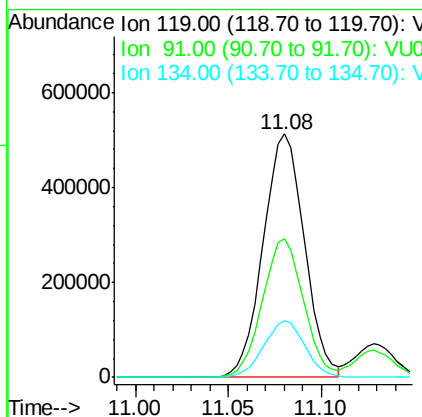
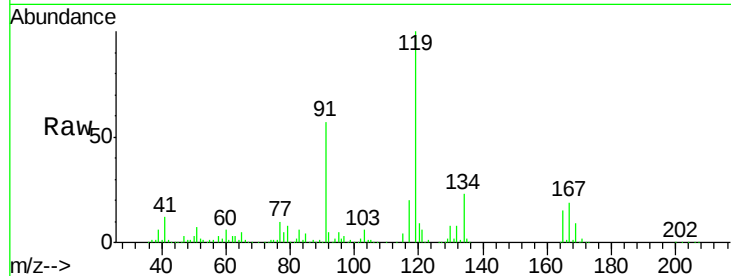
#83
 tert-Butylbenzene
 Concen: 45.810 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	793239		
91	56.5		27.9	83.6
134	23.2		11.4	34.2

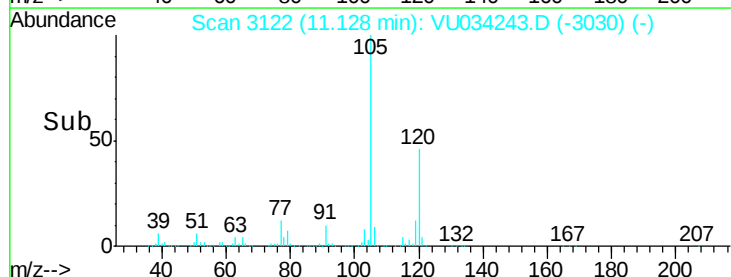
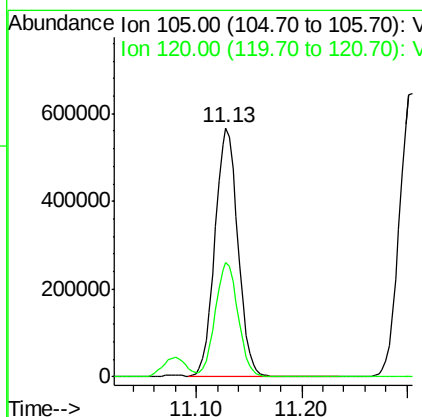
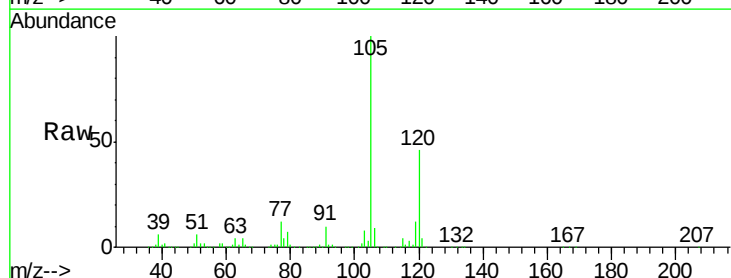
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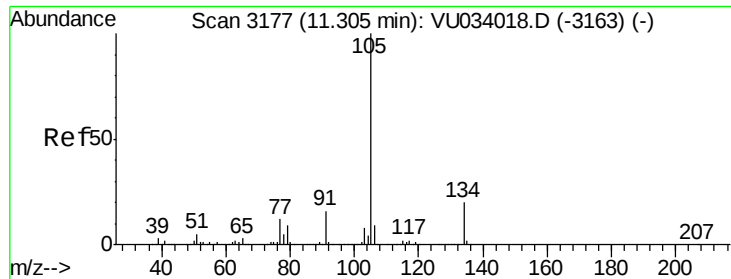
MMDadoda
 9/5/2019 5:00:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 49.003 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	855909		
120	45.8		22.6	67.8





#85

sec-Butylbenzene

Concen: 47.532 ug/l

RT: 11.31 min Scan# 3177

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 986475

Ion Ratio Lower Upper

105 100

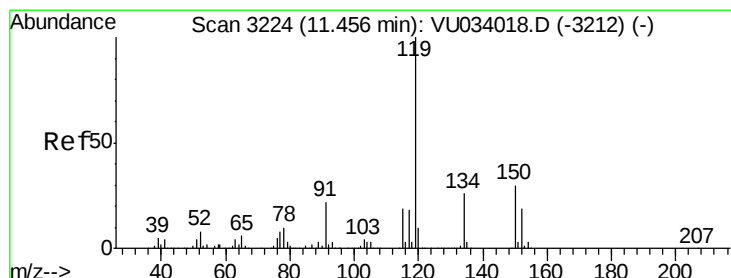
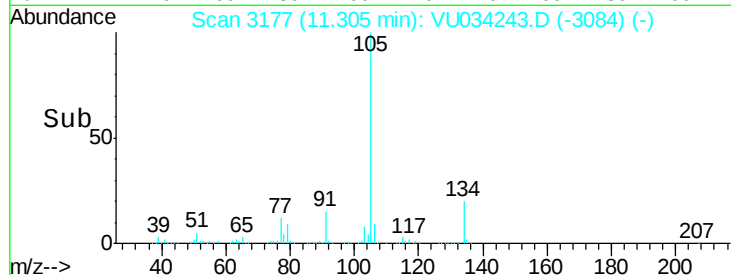
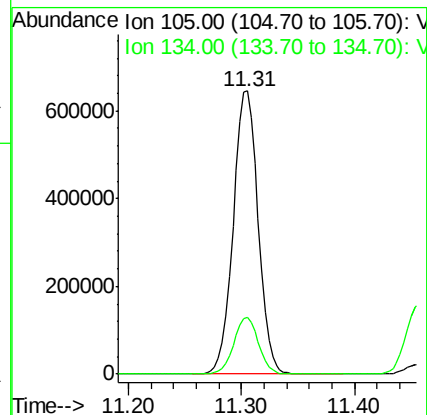
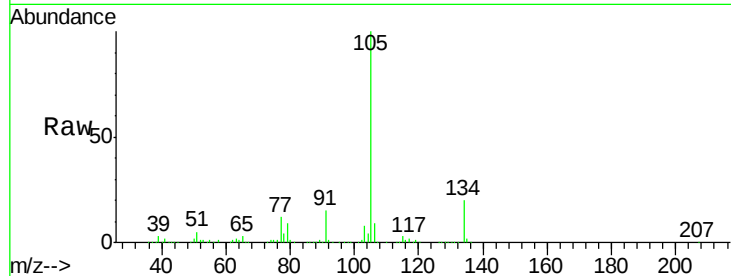
134 19.9 10.0 30.0

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.250 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034243.D

Acq: 04 Sep 2019 09:24

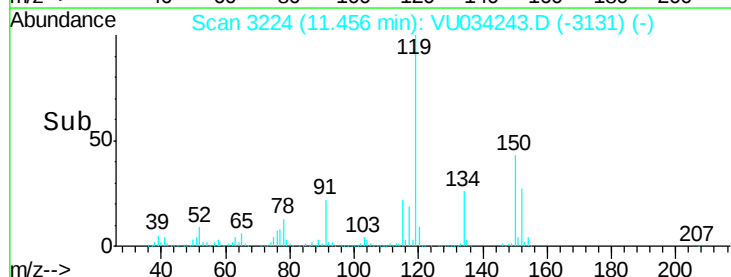
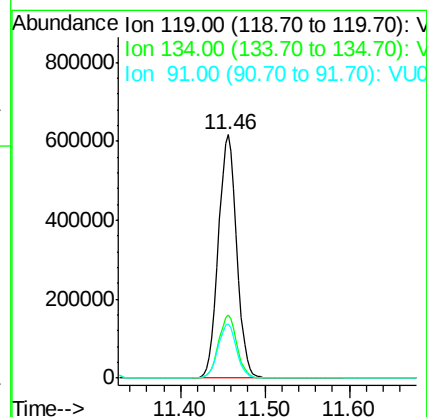
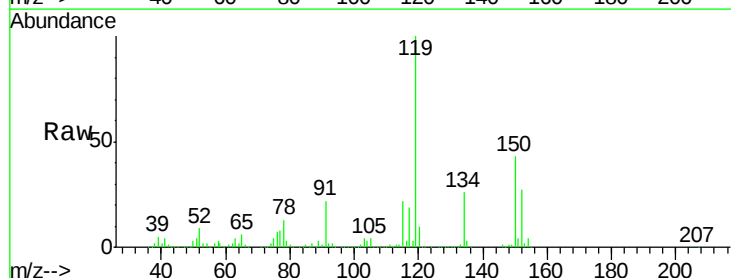
Tgt Ion:119 Resp: 924444

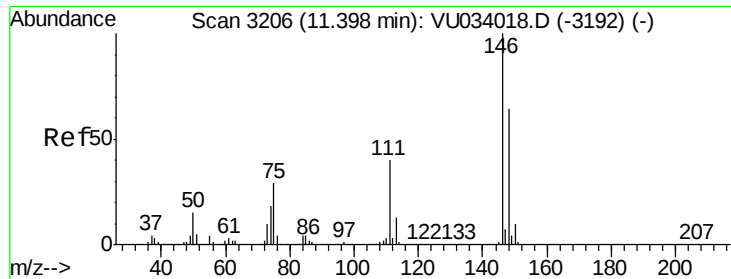
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.1

91 22.4 11.2 33.6





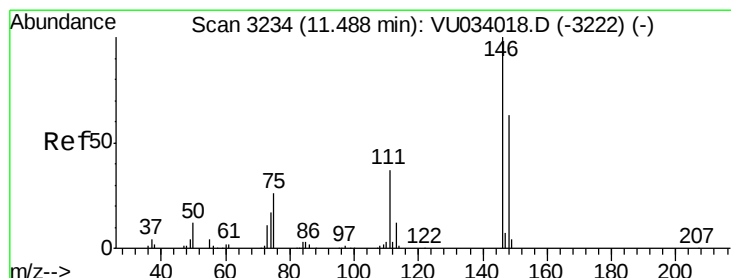
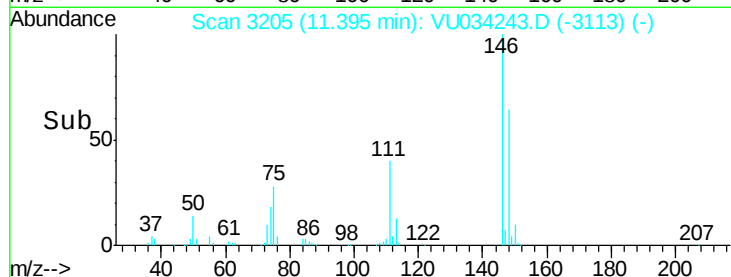
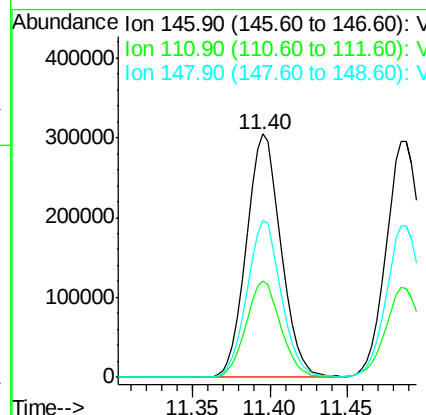
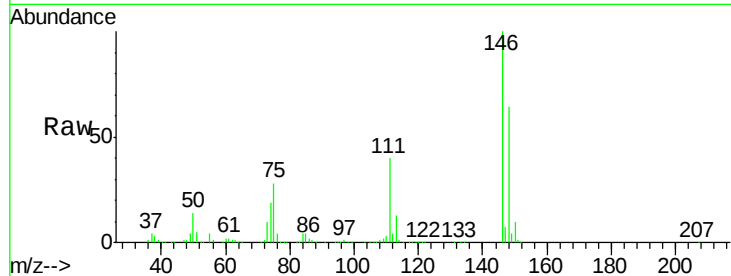
#87
 1,3-Dichlorobenzene
 Concen: 48.067 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.9	59.6
148	63.6	31.9	95.5

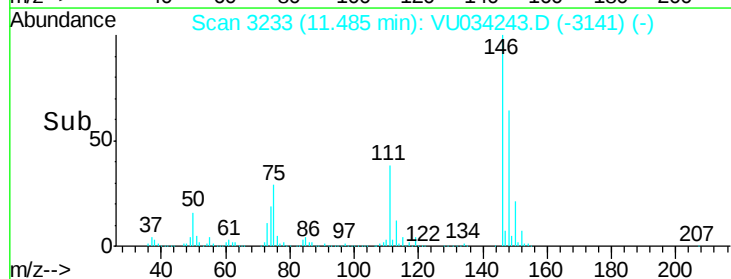
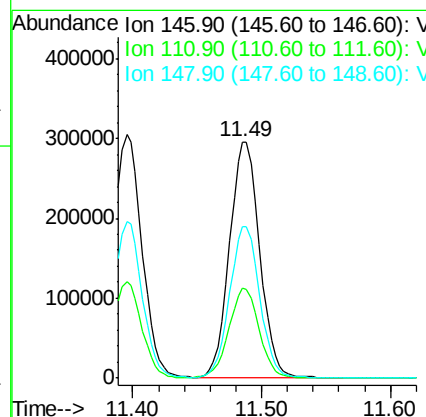
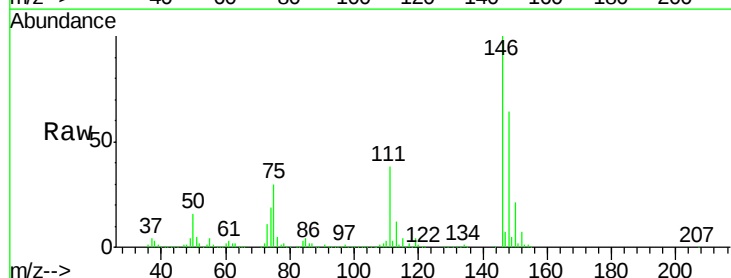
Manual Integrations
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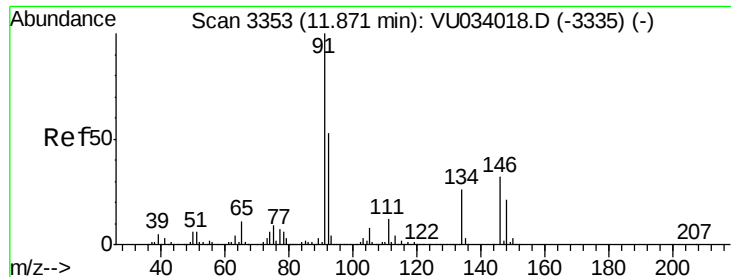
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#88
 1,4-Dichlorobenzene
 Concen: 47.825 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.2	57.6
148	63.6	31.9	95.9





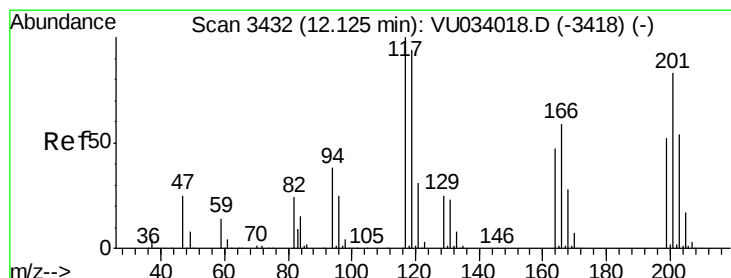
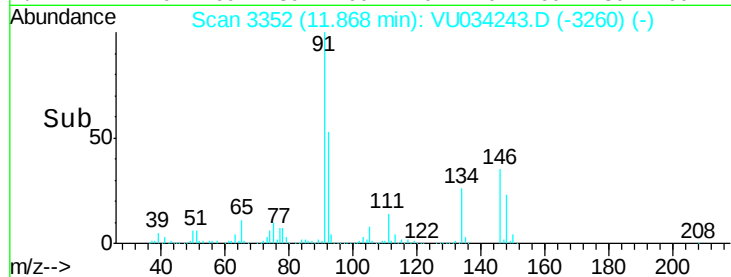
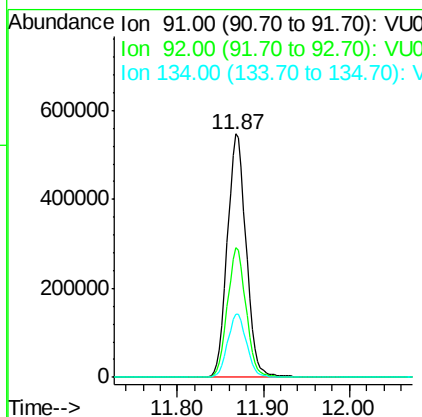
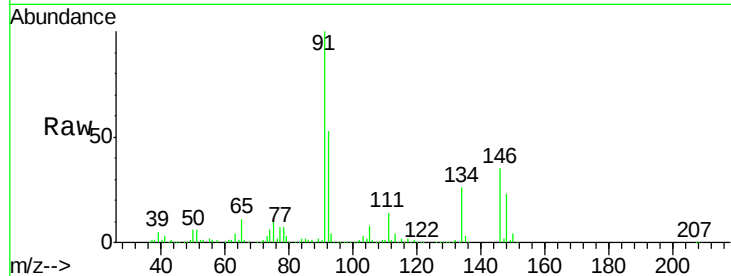
#89
n-Butylbenzene
Concen: 50.469 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.3	78.9
134	26.1	12.9	38.7

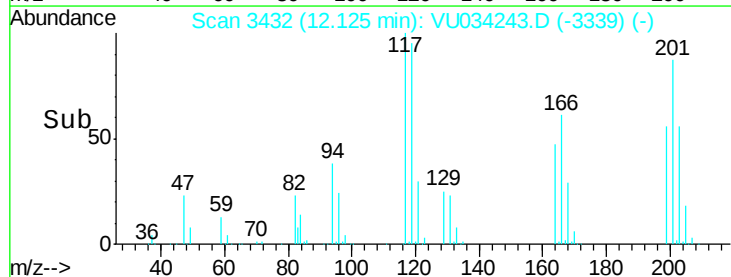
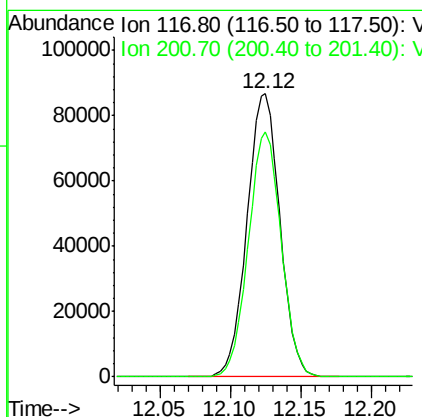
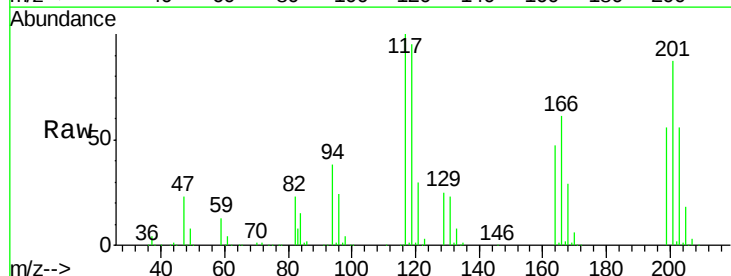
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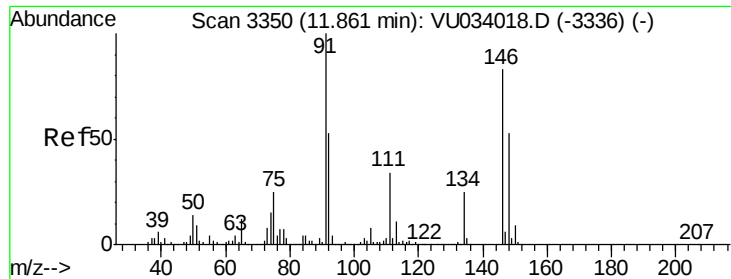
MMDadoda
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#90
Hexachloroethane
Concen: 43.689 ug/l
RT: 12.12 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.5	127.6





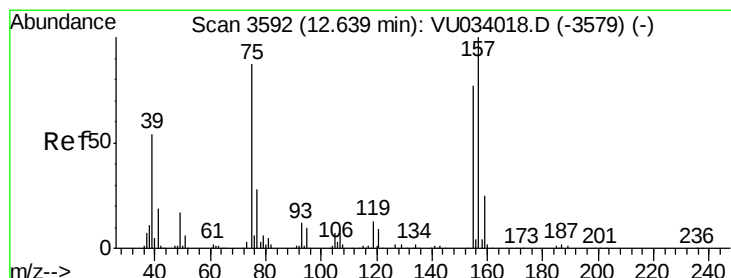
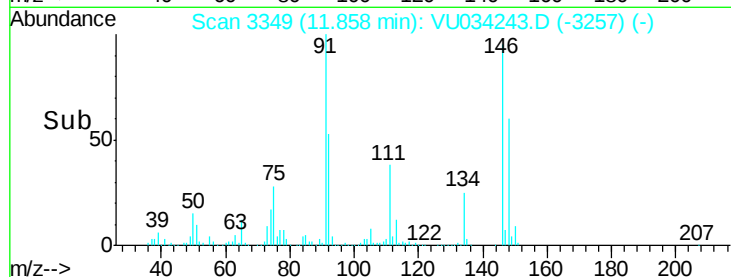
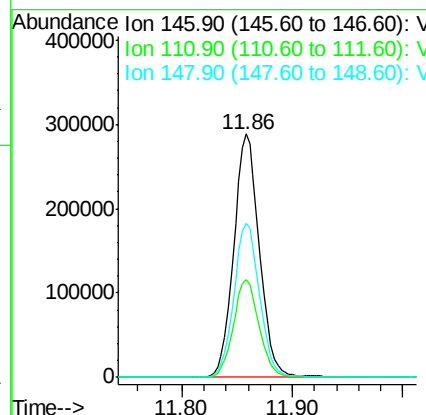
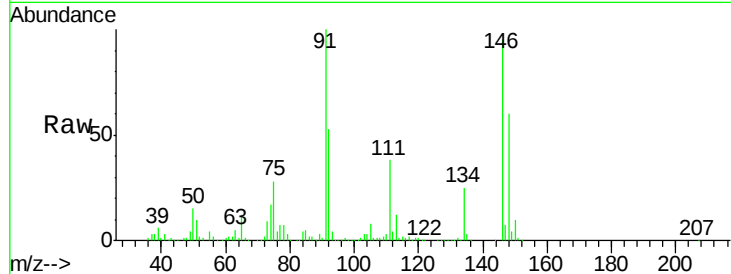
#91
 1,2-Dichlorobenzene
 Concen: 48.868 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	462665		
111	40.5		20.4	61.2
148	63.7		32.3	96.8

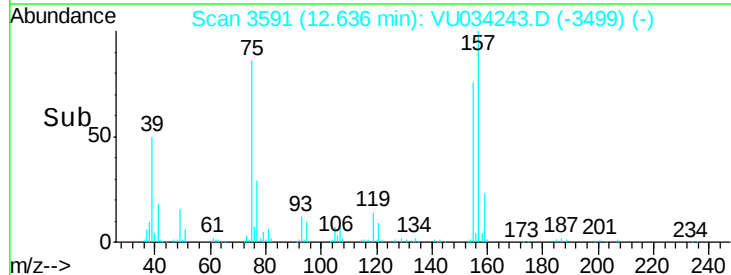
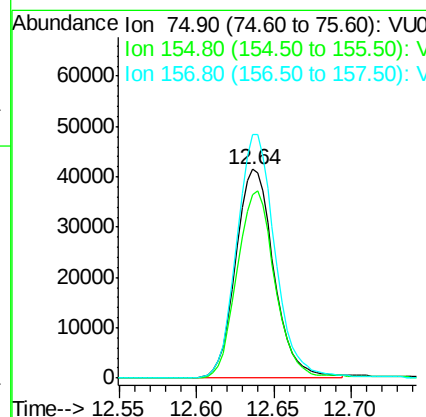
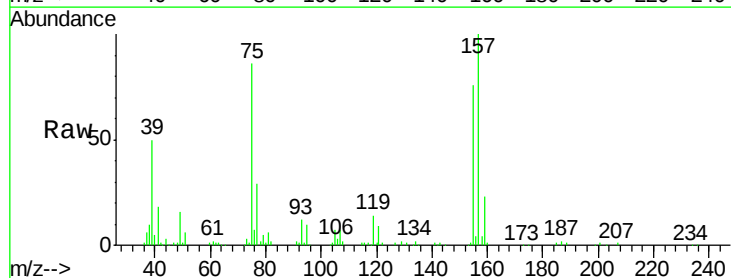
Manual Integrations
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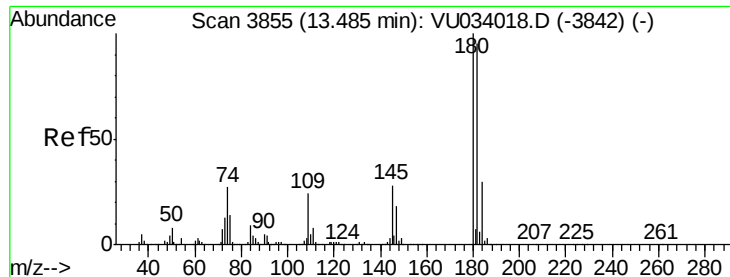
MMDadoda
 9/5/2019 5:00:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.973 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71169		
155	89.3		43.5	130.7
157	117.0		56.9	170.6





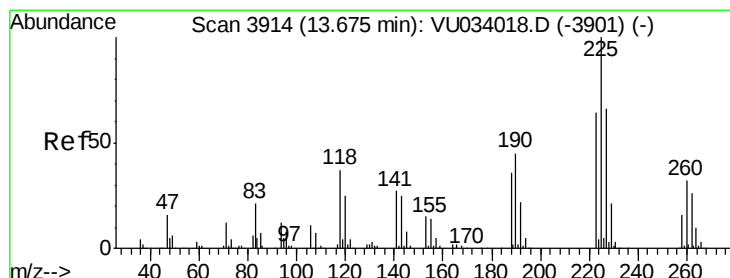
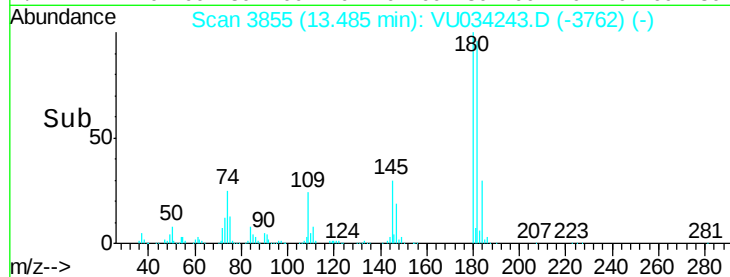
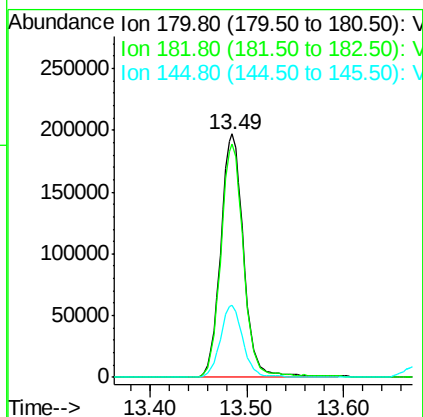
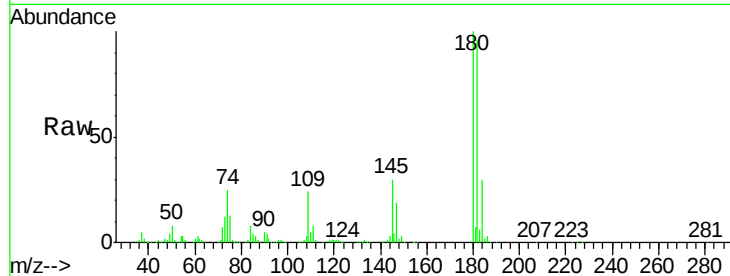
#93
 1,2,4-Trichlorobenzene
 Concen: 48.007 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	322982		
182	94.3	47.4	142.2	
145	29.4	14.1	42.3	

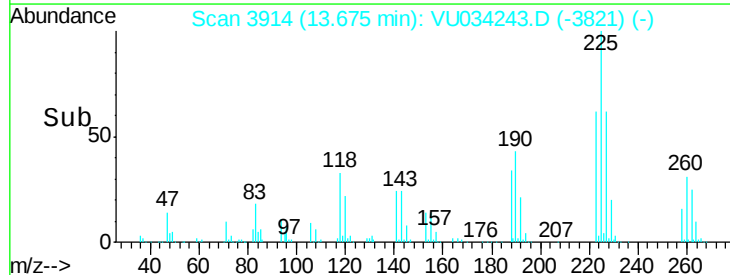
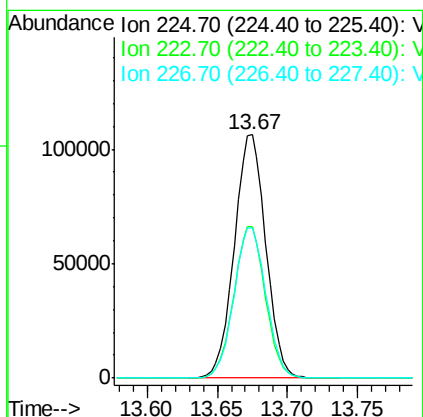
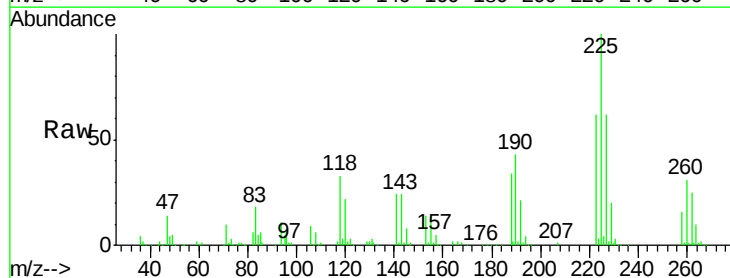
Manual Integrations
 APPROVED

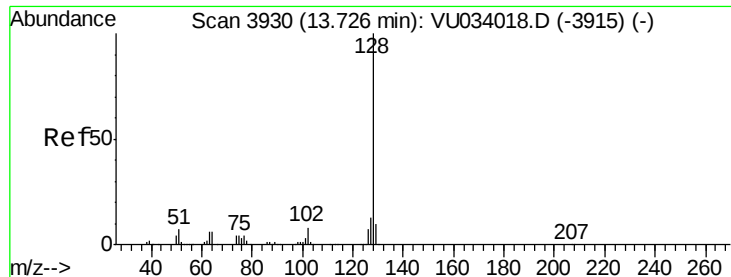
MMDadoda
 9/5/2019 5:00:59 PM



#94
 Hexachlorobutadiene
 Concen: 45.000 ug/l
 RT: 13.67 min Scan# 3914
 Delta R.T. 0.00 min
 Lab File: VU034243.D
 Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	166663		
223	62.2	31.8	95.3	
227	62.9	32.6	97.8	





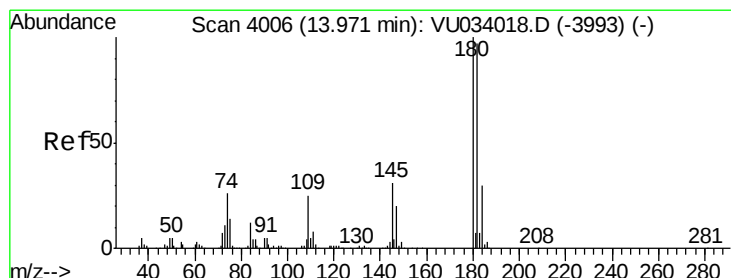
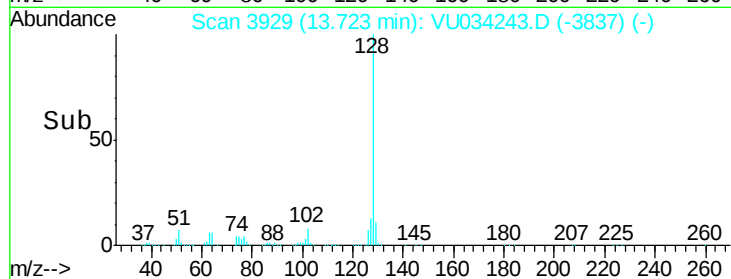
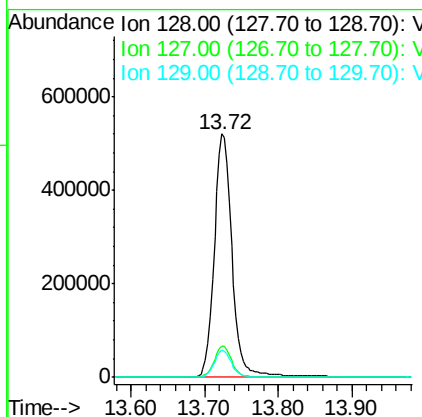
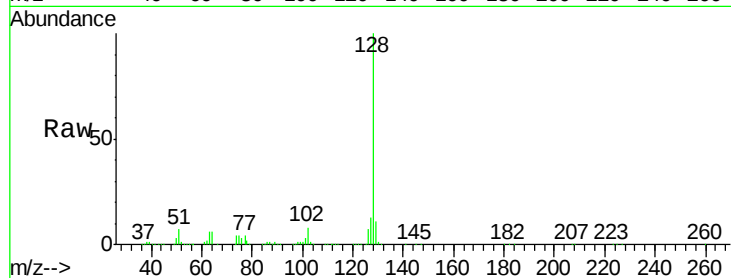
#95
Naphthalene
Concen: 45.515 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	874565		
127	12.7		10.2	15.4
129	10.8		8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/5/2019 5:00:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.013 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. -0.00 min
Lab File: VU034243.D
Acq: 04 Sep 2019 09:24

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	321516		
182	95.9		48.2	144.6
145	30.6		15.5	46.5

