

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090719\
 Data File : VU034365.D
 Acq On : 07 Sep 2019 05:18
 Operator : JC/SP
 Sample : K4725-09MSD
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:39 PM

Quant Time: Sep 07 06:31:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	303717	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	464551	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	454110	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	290414	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	228750	49.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.56%	
35) Dibromofluoromethane	4.86	113	207498	48.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.00%	
50) Toluene-d8	7.55	98	806211	49.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.28%	
62) 4-Bromofluorobenzene	10.29	95	302173	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	138243	43.521	ug/l	99
3) Chloromethane	1.32	50	164286	47.869	ug/l	98
4) Vinyl Chloride	1.40	62	178830	45.180	ug/l	99
5) Bromomethane	1.61	94	111871	56.217	ug/l	99
6) Chloroethane	1.69	64	115274	50.108	ug/l	100
7) Trichlorofluoromethane	1.88	101	248967	46.910	ug/l	99
8) Diethyl Ether	2.09	74	115464	49.460	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	2.28	101	159133	45.270	ug/l	99
10) Methyl Iodide	2.40	142	162626	50.524	ug/l	99
11) Tert butyl alcohol	2.81	59	262478	270.366	ug/l	99
12) 1,1-Dichloroethene	2.27	96	160321	48.517	ug/l	94
13) Acrolein	2.18	56	120910	148.180	ug/l	99
14) Allyl chloride	2.58	41	290229m	45.941	ug/l	
15) Acrylonitrile	2.92	53	615869	254.746	ug/l	98
16) Acetone	2.31	43	484068	203.556	ug/l	99
17) Carbon Disulfide	2.47	76	315810	42.523	ug/l	99
18) Methyl Acetate	2.60	43	246614	42.619	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	631236	52.409	ug/l	100
20) Methylene Chloride	2.69	84	201700	51.798	ug/l	98
21) trans-1,2-Dichloroethene	2.97	96	168265	48.321	ug/l	97
22) Diisopropyl ether	3.55	45	628132	50.985	ug/l	99
23) Vinyl Acetate	3.50	43	2324439	231.624	ug/l	98
24) 1,1-Dichloroethane	3.43	63	352809	47.953	ug/l	99
25) 2-Butanone	4.23	43	790286	248.956	ug/l	98
26) 2,2-Dichloropropane	4.20	77	218609	36.943	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	219180	51.824	ug/l	94
28) Bromochloromethane	4.52	49	169912	50.209	ug/l	96
29) Tetrahydrofuran	4.61	42	501662	259.708	ug/l	98
30) Chloroform	4.65	83	354672	47.425	ug/l	99
31) Cyclohexane	4.97	56	248579	46.182	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	293190	49.034	ug/l	98
36) 1,1-Dichloropropene	5.12	75	231997	46.048	ug/l	98
37) Ethyl Acetate	4.36	43	257620	43.249	ug/l	100
38) Carbon Tetrachloride	5.11	117	245610	45.658	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	247426	45.941	ug/l	97
40) Benzene	5.37	78	765243	47.072	ug/l	100
41) Methacrylonitrile	4.52	41	160940	50.723	ug/l	98
42) 1,2-Dichloroethane	5.38	62	258098	45.728	ug/l	98
43) Isopropyl Acetate	5.53	43	424628	45.697	ug/l	97
44) Trichloroethene	6.17	130	213222	47.398	ug/l	99
45) 1,2-Dichloropropane	6.41	63	223244	46.974	ug/l	99
46) Dibromomethane	6.54	93	140761	47.185	ug/l	96
47) Bromodichloromethane	6.74	83	285739	46.533	ug/l	99
48) Methyl methacrylate	6.60	41	215295	48.781	ug/l	98
49) 1,4-Dioxane	6.59	88	99719	1034.703	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	1572916	244.540	ug/l	98
52) Toluene	7.62	92	493089	48.352	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	296855	46.635	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	324265	46.414	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	217145	46.893	ug/l	98
56) Ethyl methacrylate	8.00	69	336582	47.975	ug/l	97
57) 1,3-Dichloropropane	8.22	76	361397	47.929	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.09	63	1366	17.151	ug/l #	48
59) 2-Hexanone	8.34	43	1187302	247.090	ug/l	99
60) Dibromochloromethane	8.46	129	245956	49.520	ug/l	99
61) 1,2-Dibromoethane	8.57	107	218429	48.194	ug/l	99
64) Tetrachloroethene	8.21	164	184200	46.755	ug/l	97
65) Chlorobenzene	9.10	112	573677	49.794	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	214896	48.876	ug/l	99
67) Ethyl Benzene	9.23	91	958209	50.867	ug/l	98
68) m/p-Xylenes	9.35	106	739231	104.213	ug/l	98
69) o-Xylene	9.76	106	368106	53.063	ug/l	100
70) Styrene	9.77	104	656517	53.978	ug/l	98
71) Bromoform	9.94	173	190625	50.026	ug/l #	100
73) Isopropylbenzene	10.14	105	996232	52.712	ug/l	100
74) N-amyl acetate	9.99	43	372908	49.018	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	374961	49.014	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	330270m	52.099	ug/l	
77) Bromobenzene	10.43	156	275395	52.114	ug/l	97
78) n-propylbenzene	10.57	91	1120014	51.313	ug/l	99
79) 2-Chlorotoluene	10.64	91	677426	50.866	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	842951	53.330	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	85840m	45.538	ug/l	
82) 4-Chlorotoluene	10.75	91	789533	51.515	ug/l	99
83) tert-Butylbenzene	11.08	119	847338	53.587	ug/l	98
84) 1,2,4-Trimethylbenzene	11.12	105	850482	53.453	ug/l	99
85) sec-Butylbenzene	11.30	105	977506	52.364	ug/l	100
86) p-Isopropyltoluene	11.45	119	908721	52.741	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	485839	50.382	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	488910	48.609	ug/l	99
89) n-Butylbenzene	11.87	91	761718	50.872	ug/l	99
90) Hexachloroethane	12.12	117	132770	48.165	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	484481	51.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	75550	53.743	ug/l	95

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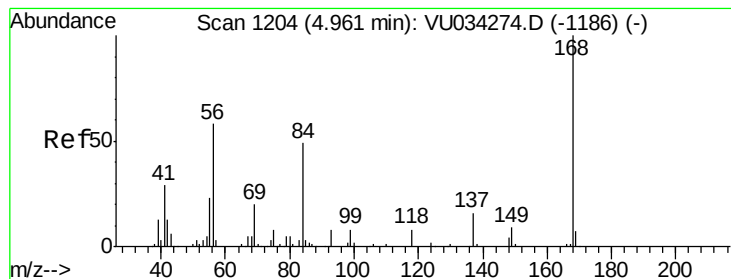
Manual Integrations
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MMDadoda
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QLast Update : Fri Sep 06 05:10:13 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	341668	49.729	ug/l	99
94) Hexachlorobutadiene	13.67	225	145920	44.017	ug/l	99
95) Naphthalene	13.72	128	1028012	52.865	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	336244	50.614	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

S13-0263MSD

Tot Ion:168 Resp: 303717

Ion Ratio Lower Upper

168 100

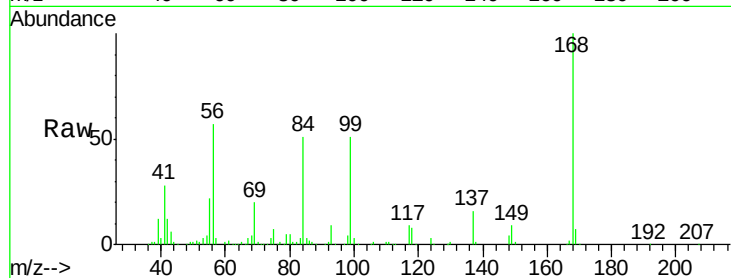
99 50.5 41.6 62.4

Manual Integrations

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

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

4.96

150000

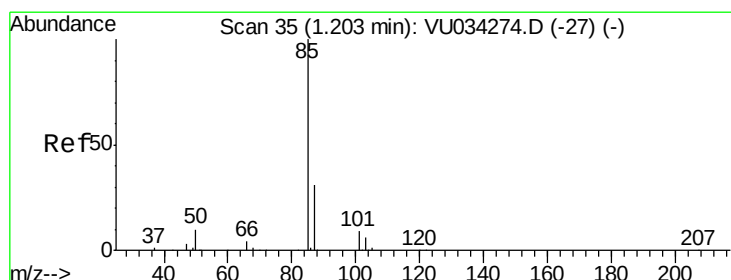
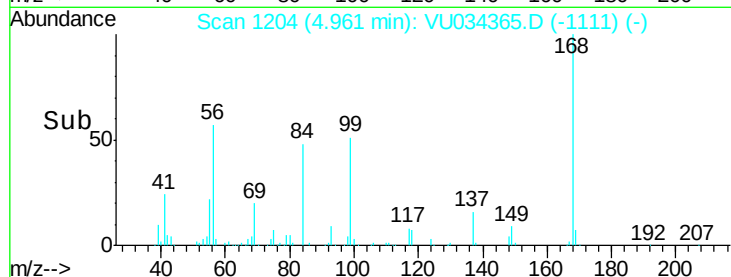
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50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 43.521 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034365.D

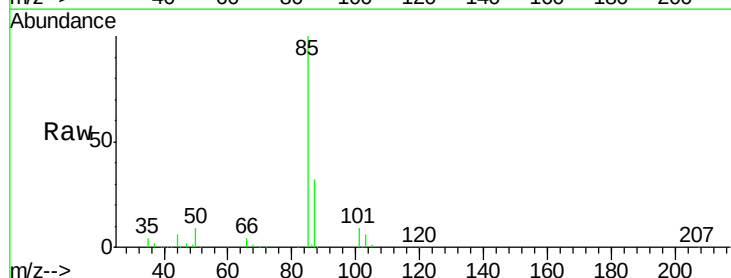
Acq: 07 Sep 2019 05:18

Tgt Ion: 85 Resp: 138243

Ion Ratio Lower Upper

85 100

87 31.6 15.7 47.0



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

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

1.20

150000

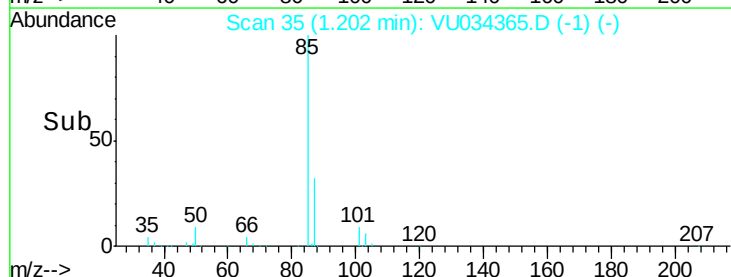
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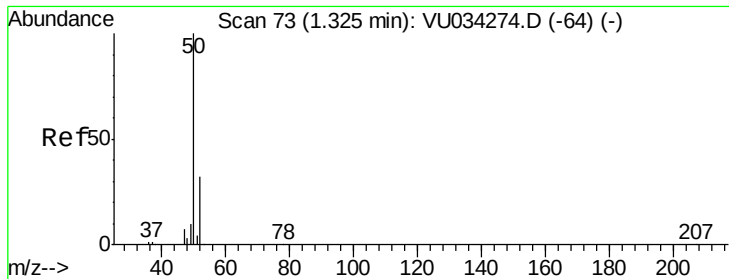
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 47.869 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 50 Resp: 164286

Ion Ratio Lower Upper

50 100

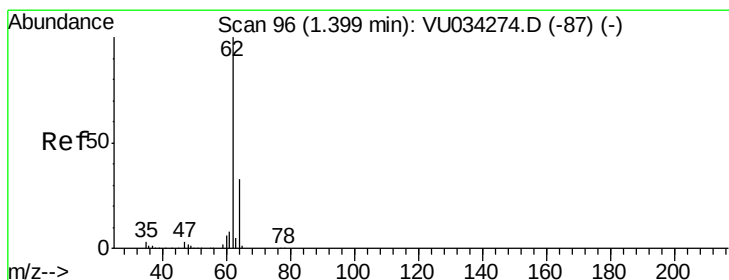
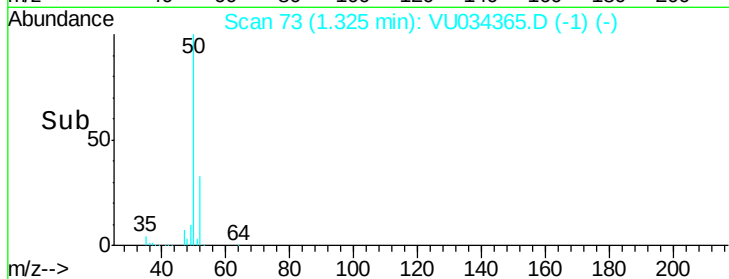
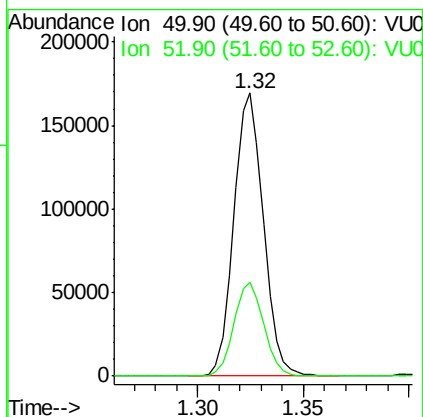
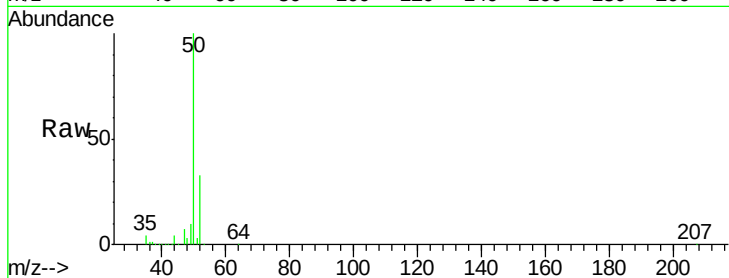
52 33.1 25.8 38.6

Manual Integrations

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9/10/2019 1:31:39 PM



#4

Vinyl Chloride

Concen: 45.180 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034365.D

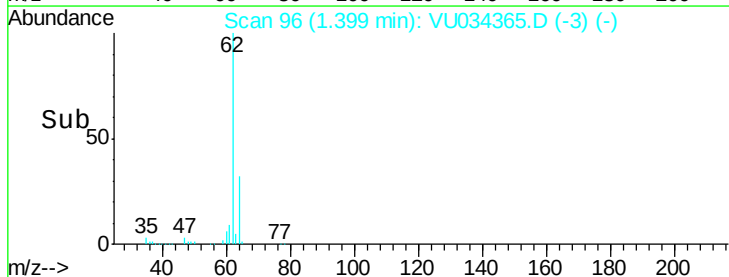
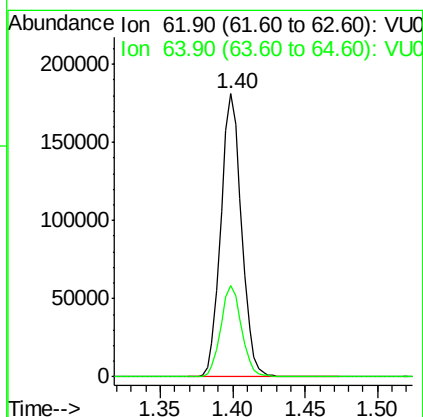
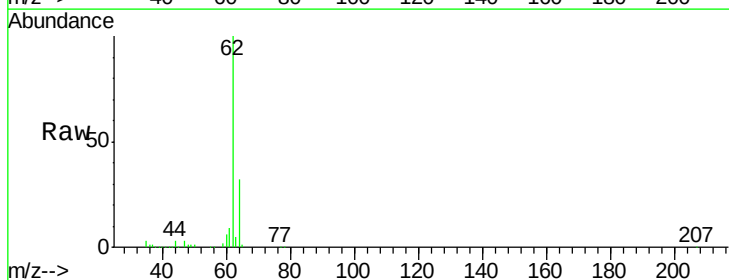
Acq: 07 Sep 2019 05:18

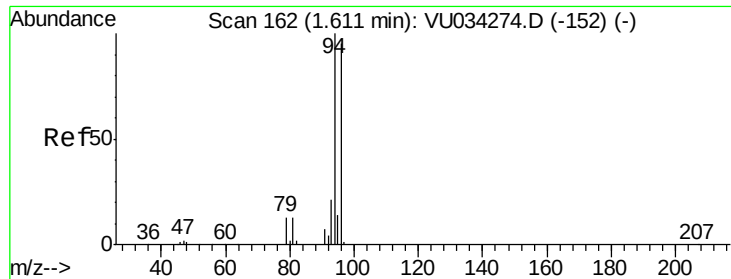
Tgt Ion: 62 Resp: 178830

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4





#5

Bromomethane

Concen: 56.217 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 94 Resp: 111871

Ion Ratio Lower Upper

94 100

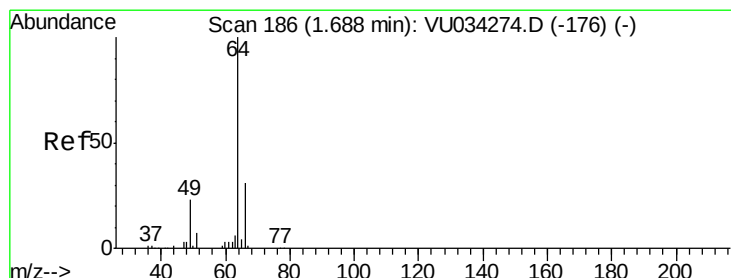
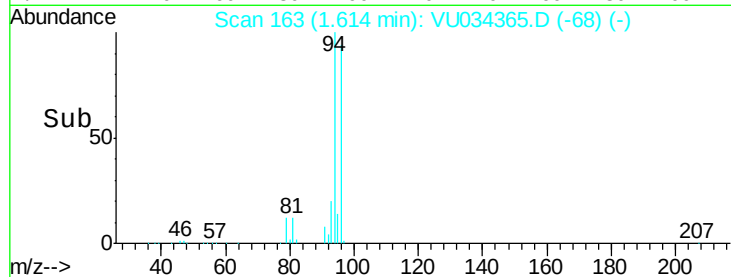
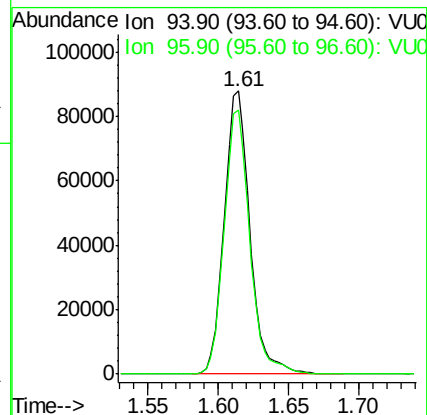
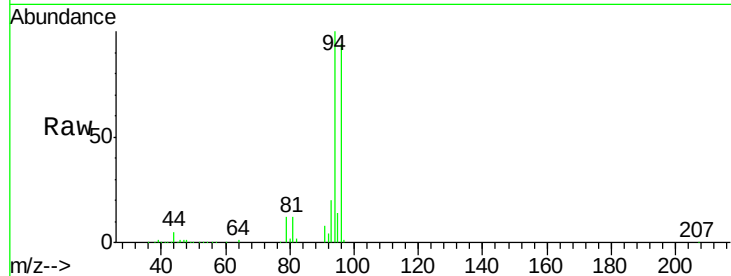
96 93.5 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 50.108 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034365.D

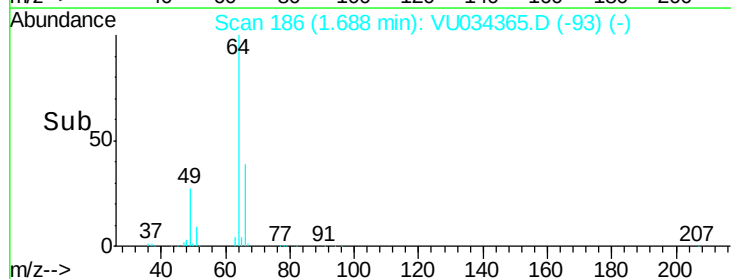
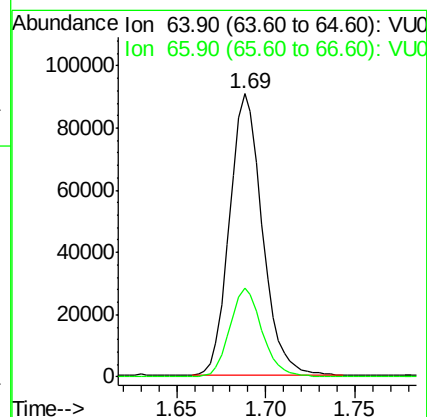
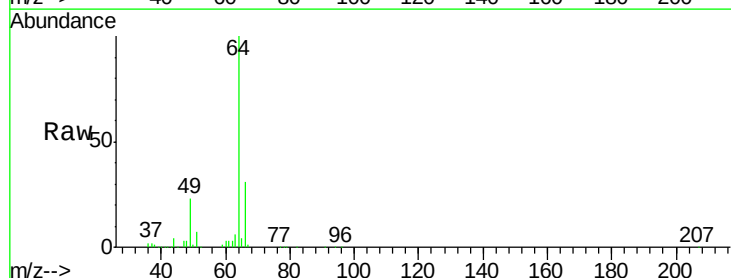
Acq: 07 Sep 2019 05:18

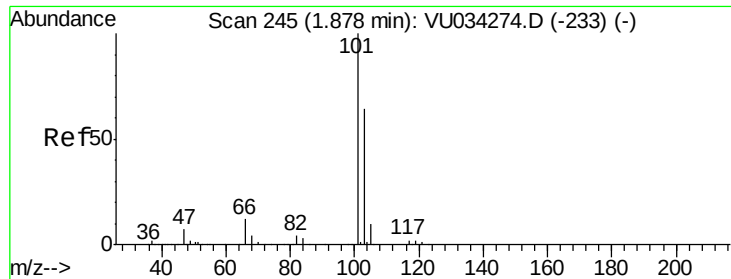
Tgt Ion: 64 Resp: 115274

Ion Ratio Lower Upper

64 100

66 31.6 25.0 37.6





#7

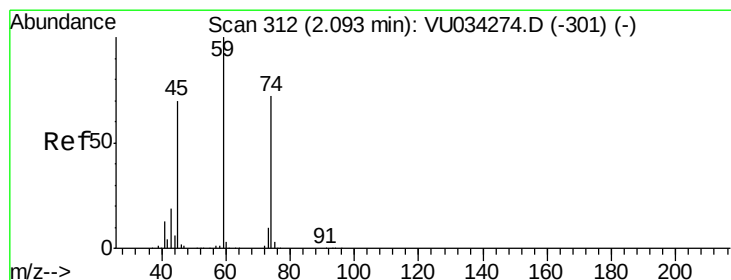
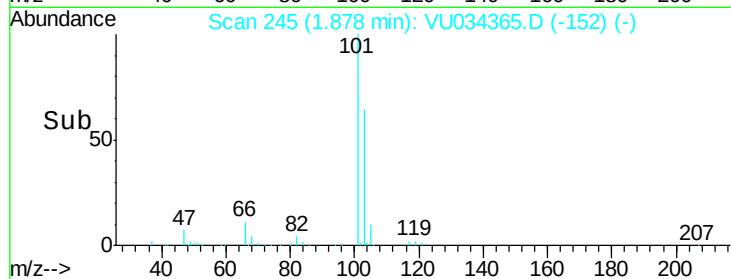
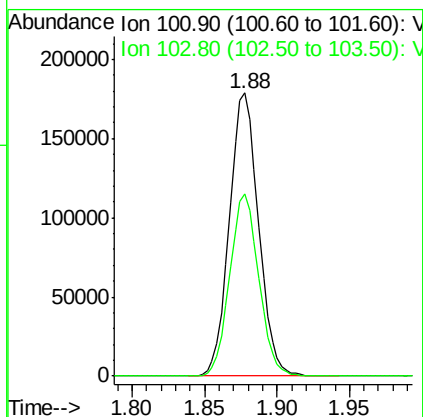
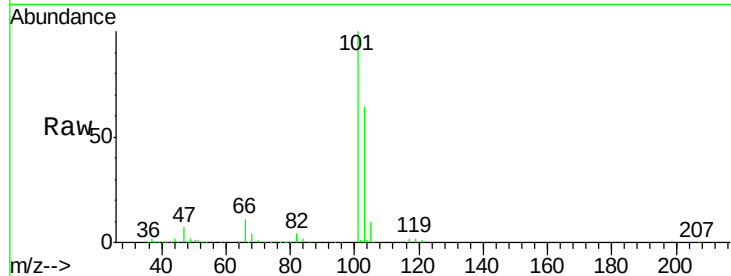
Trichlorofluoromethane
Concen: 46.910 ug/l
RT: 1.88 min Scan# 245
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
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ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	51.0	76.6

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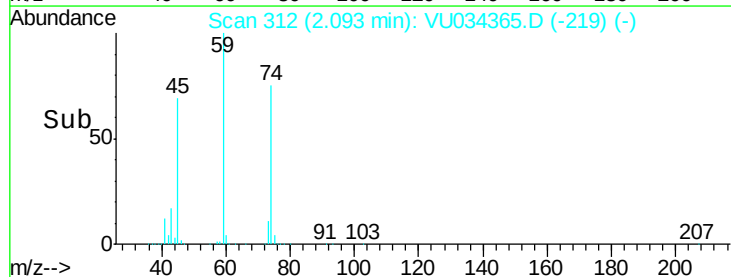
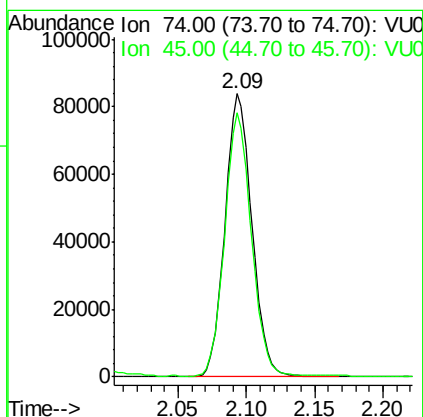
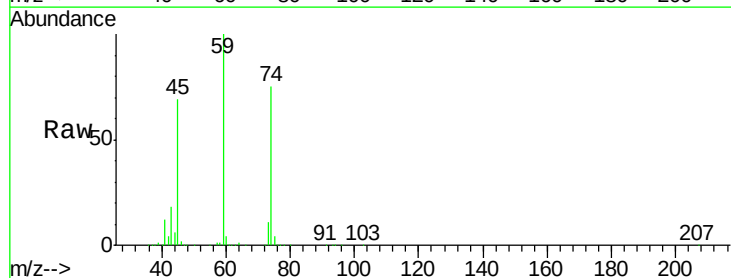
MMDadoda
9/10/2019 1:31:39 PM

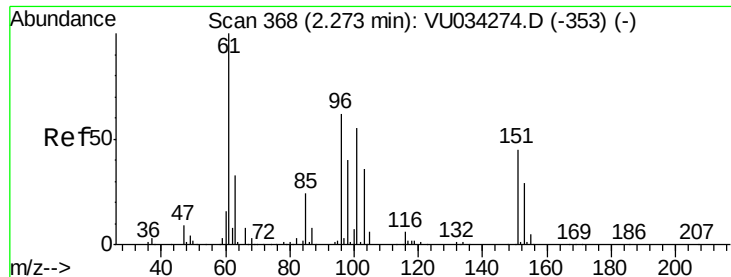


#8

Diethyl Ether
Concen: 49.460 ug/l
RT: 2.09 min Scan# 312
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.5	48.2	144.6





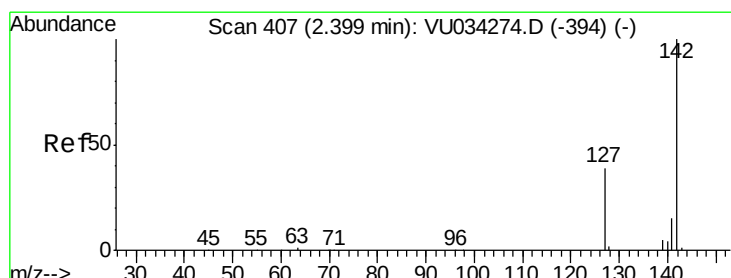
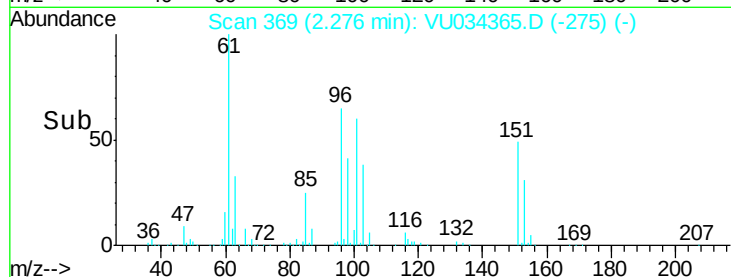
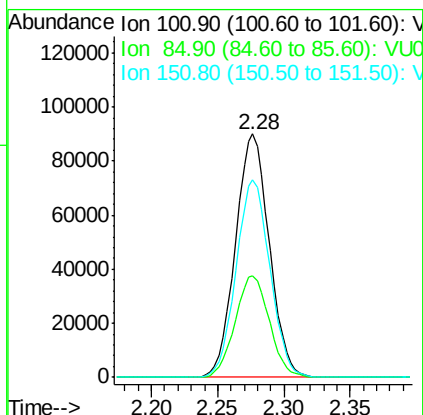
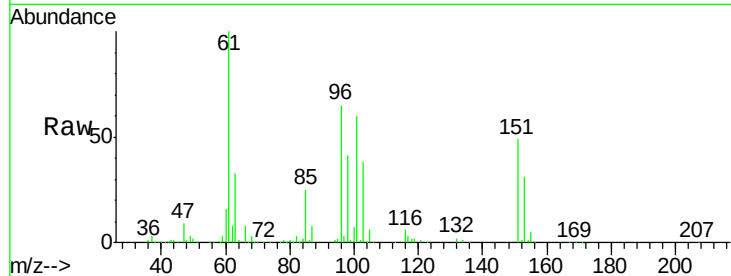
#9
1,1,2-Trichlorotrifluoroethane
Concen: 45.270 ug/l
RT: 2.28 min Scan# 369
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	159133		
85	42.2		34.4	51.6
151	81.5		64.4	96.6

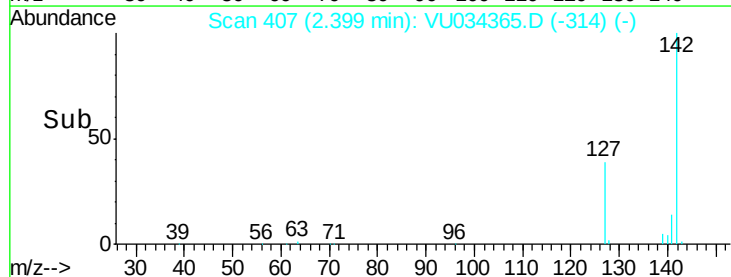
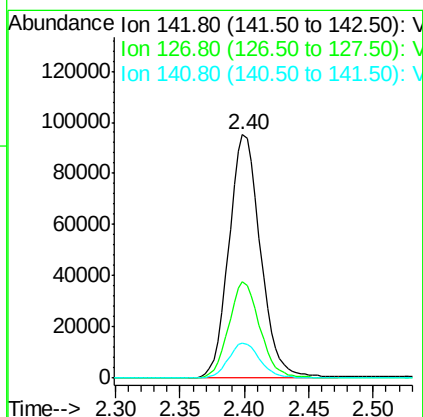
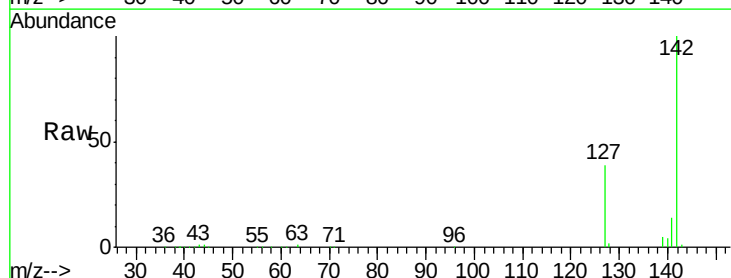
Manual Integrations
APPROVED

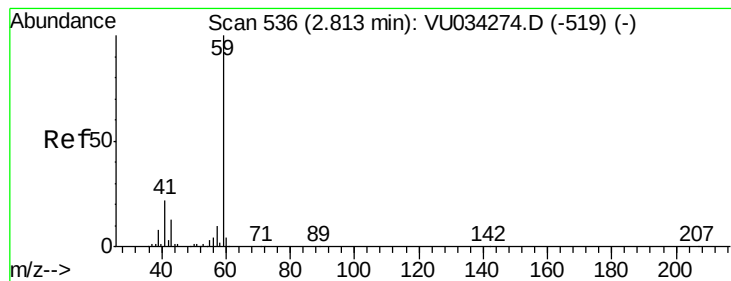
MMDadoda
9/10/2019 1:31:39 PM



#10
Methyl Iodide
Concen: 50.524 ug/l
RT: 2.40 min Scan# 407
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	162626		
127	39.0		32.1	48.1
141	14.4		11.5	17.3





#11

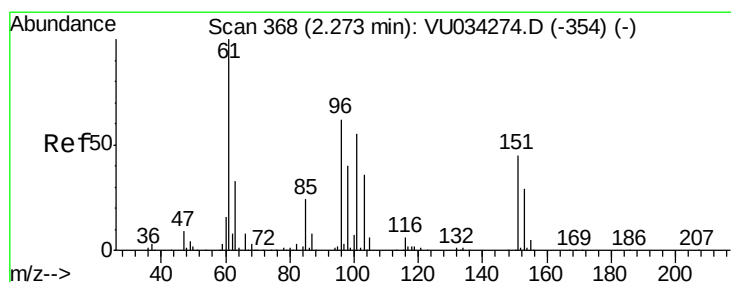
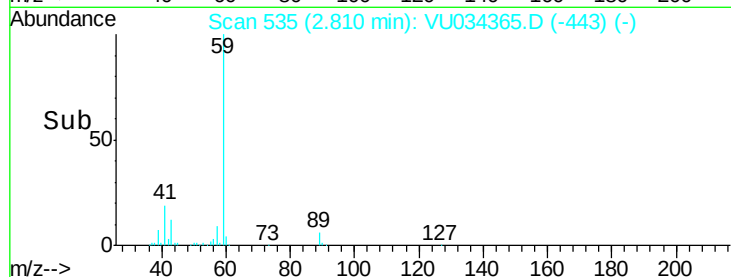
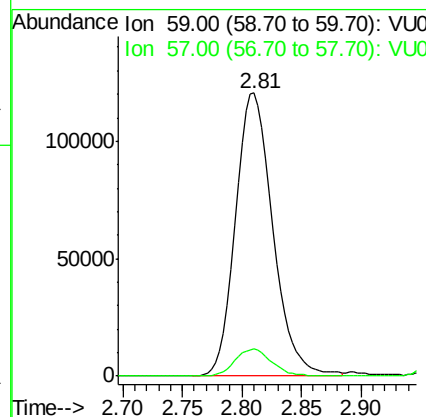
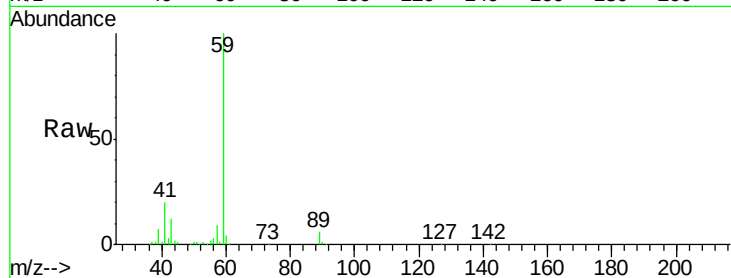
Tert butyl alcohol
 Concen: 270.366 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	262478		
57	9.4		7.9	11.9

Manual Integrations
 APPROVED

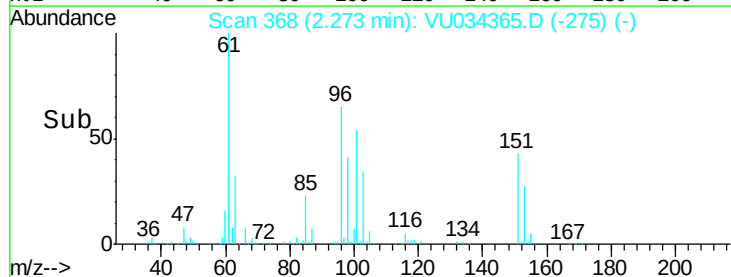
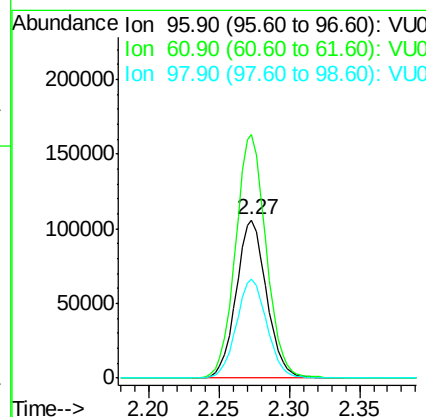
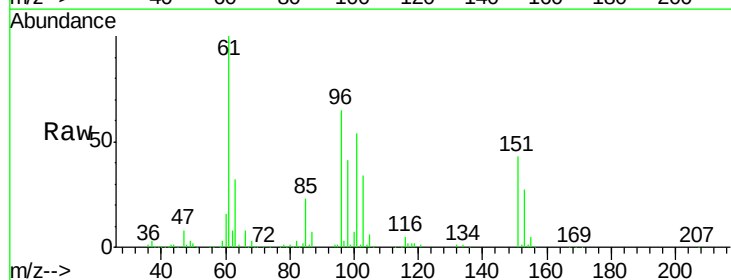
MMDadoda
 9/10/2019 1:31:39 PM

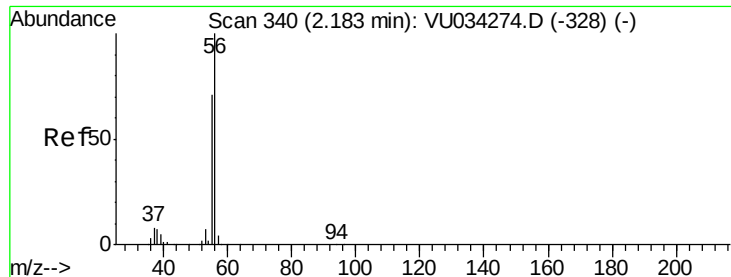


#12

1,1-Dichloroethene
 Concen: 48.517 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	160321		
61	153.6		130.0	195.0
98	62.4		52.2	78.4





#13

Acrolein

Concen: 148.180 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 56 Resp: 120910

Ion Ratio Lower Upper

56 100

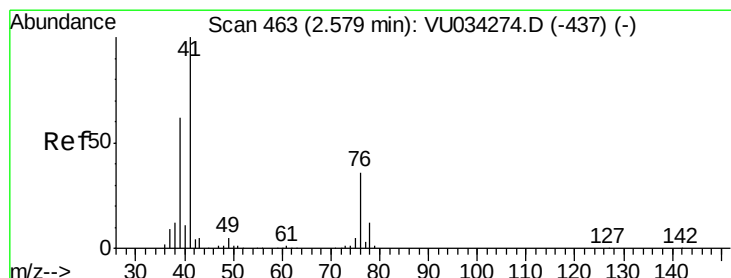
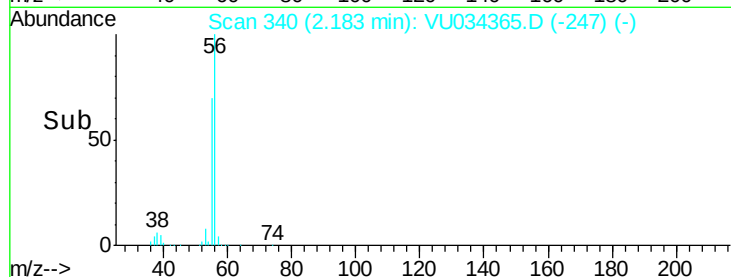
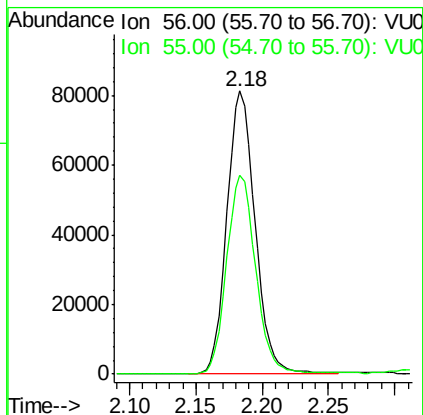
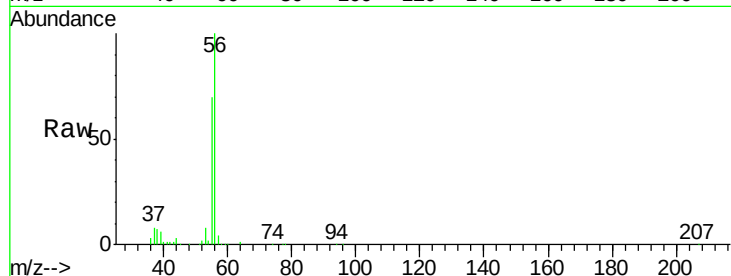
55 72.6 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:31:39 PM



#14

Allyl chloride

Concen: 45.941 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

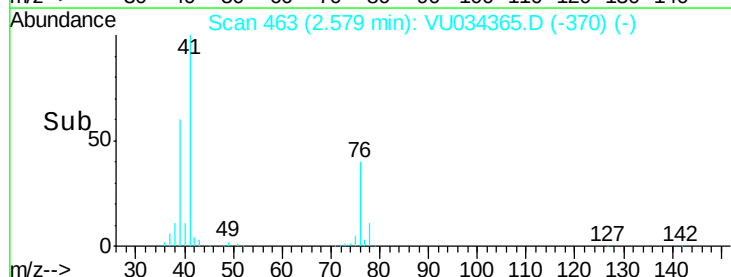
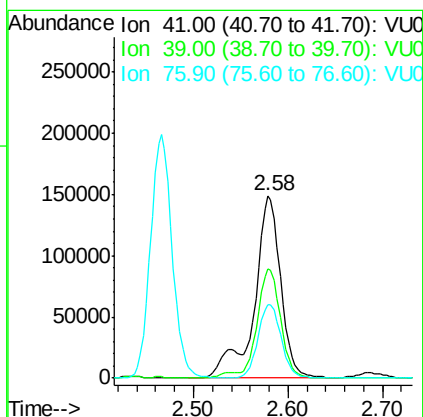
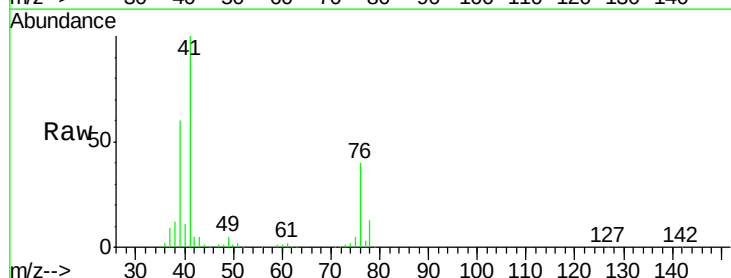
Tgt Ion: 41 Resp: 290229

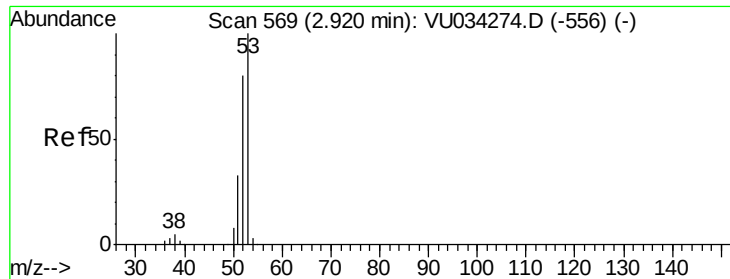
Ion Ratio Lower Upper

41 100

39 51.6 43.5 65.3

76 35.0 27.0 40.6





#15

Acrylonitrile

Concen: 254.746 ug/l

RT: 2.92 min Scan# 568

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

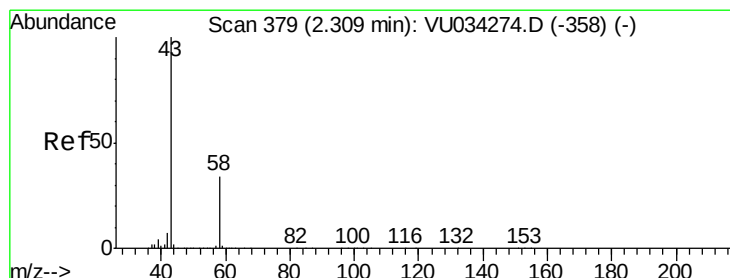
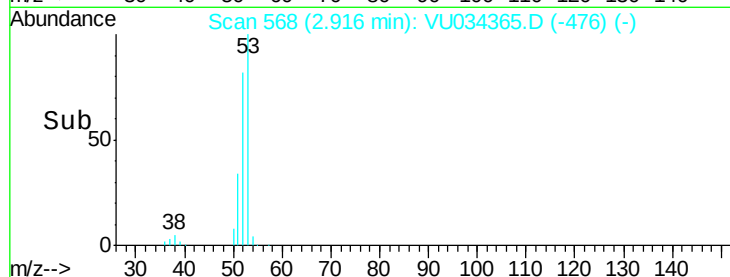
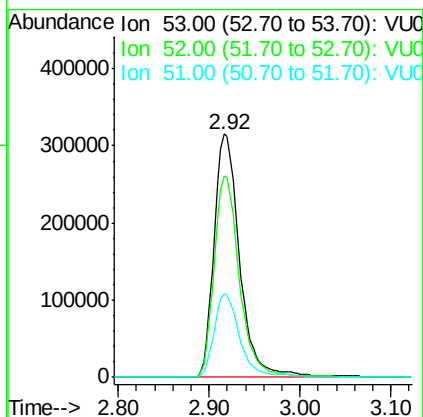
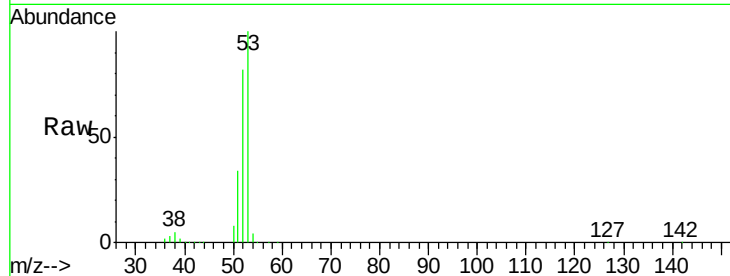
ClientSampleId :

S13-0263MSD

Tot Ion:	53	Resp:	615869
Ion	Ratio	Lower	Upper
53	100		
52	82.0	64.1	96.1
51	34.6	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 203.556 ug/l

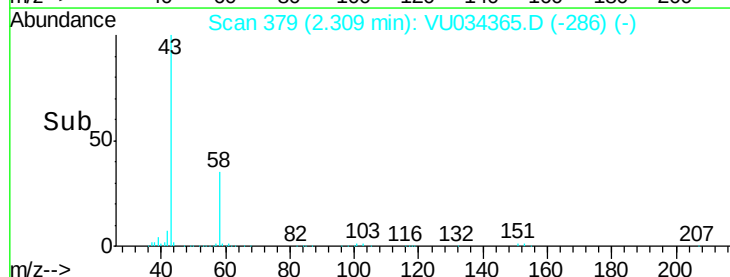
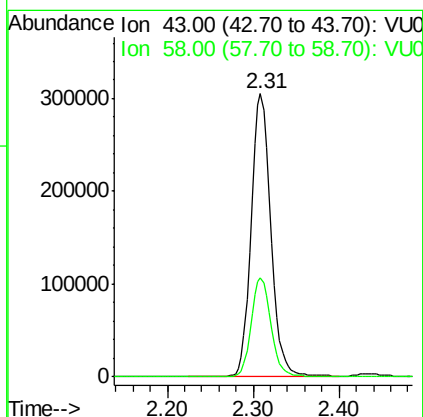
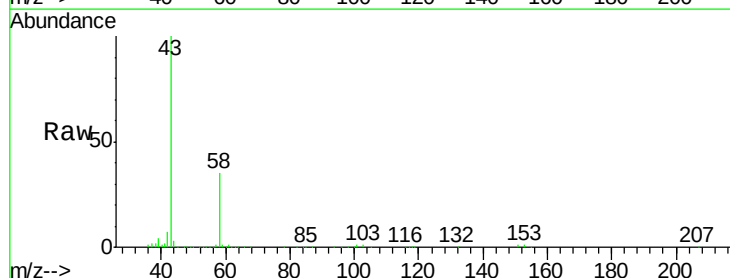
RT: 2.31 min Scan# 379

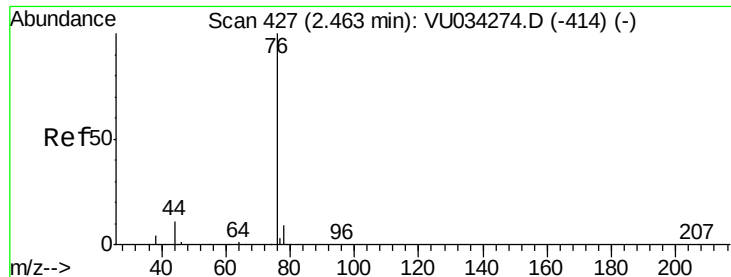
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	43	Resp:	484068
Ion	Ratio	Lower	Upper
43	100		
58	35.1	27.6	41.4





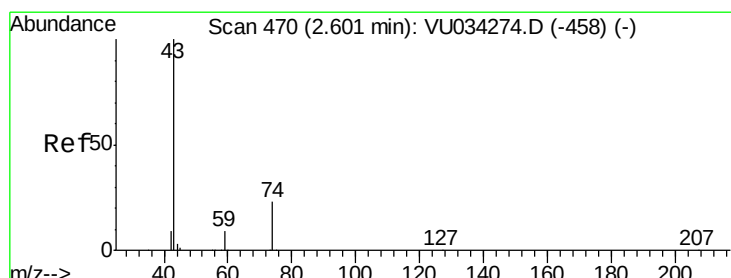
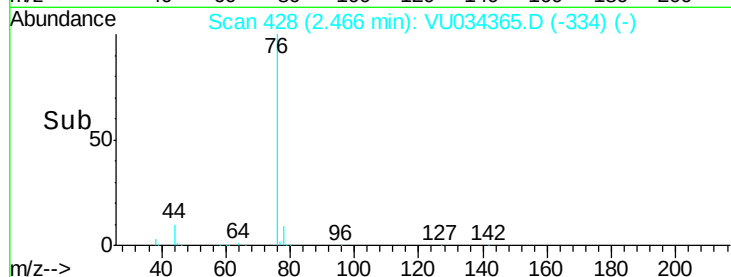
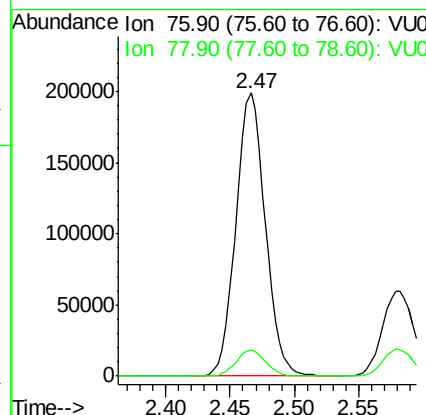
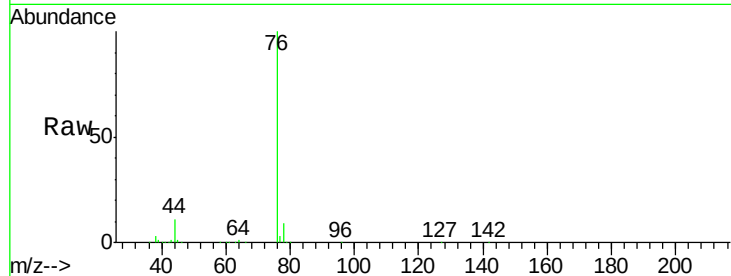
#17
Carbon Disulfide
Concen: 42.523 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.2	10.8

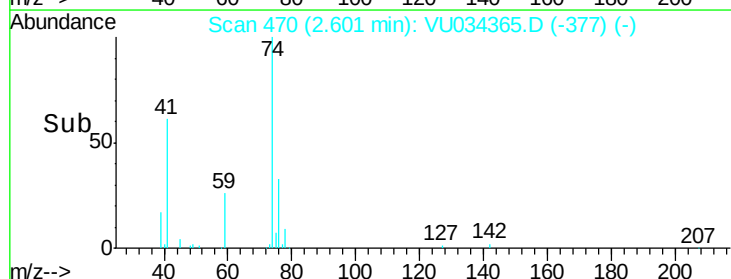
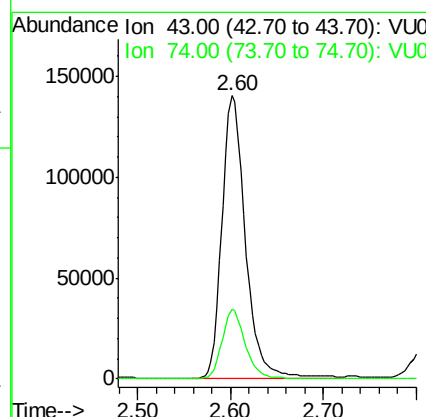
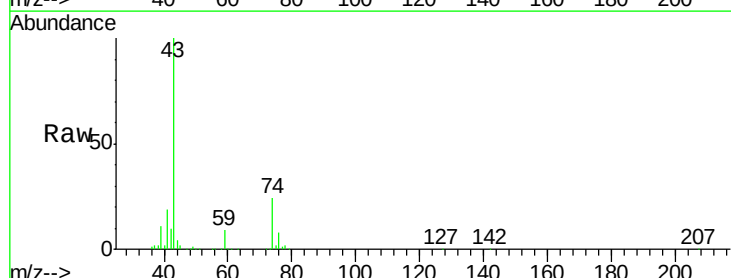
Manual Integrations
APPROVED

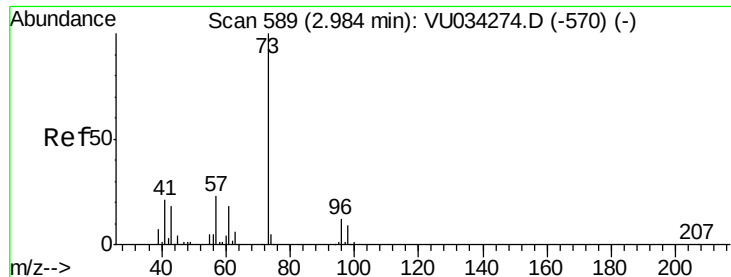
MMDadoda
9/10/2019 1:31:39 PM



#18
Methyl Acetate
Concen: 42.619 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3





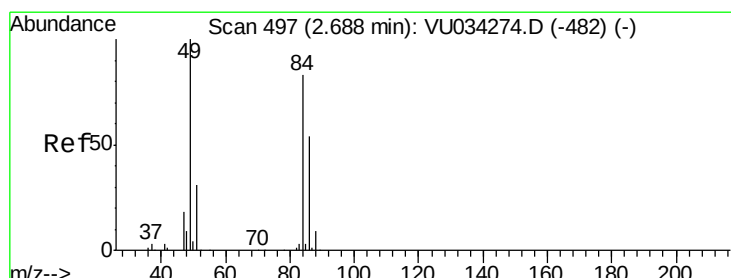
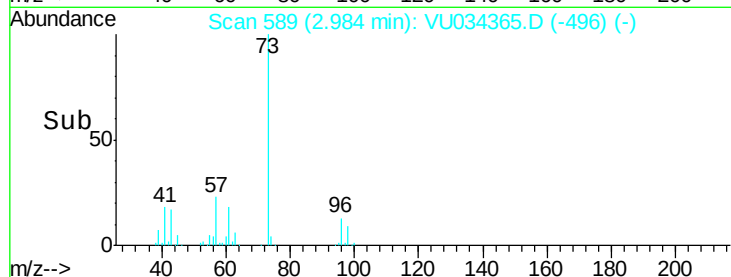
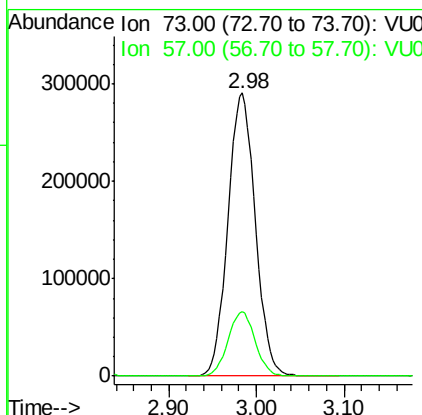
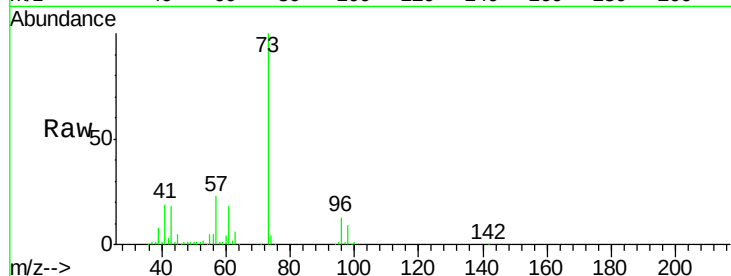
#19
Methyl tert-butyl Ether
Concen: 52.409 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.2	27.4

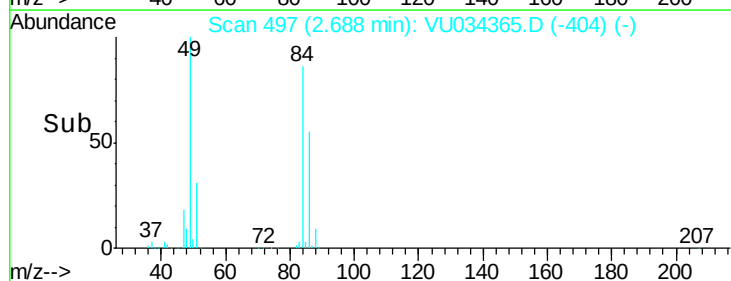
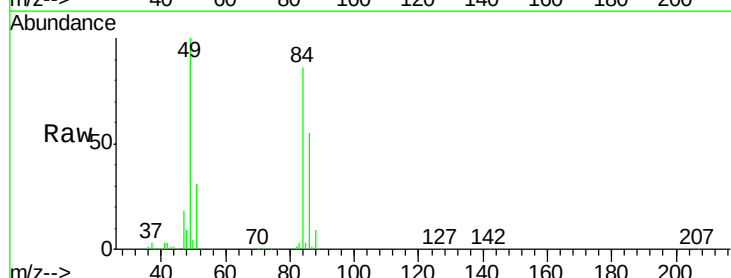
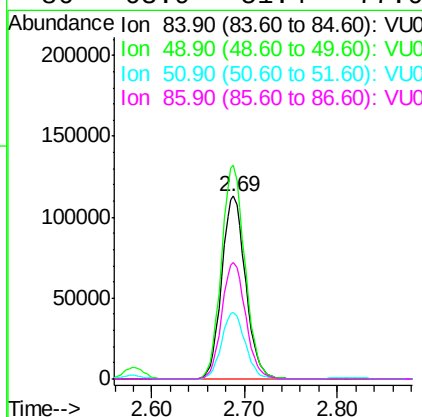
Manual Integrations
APPROVED

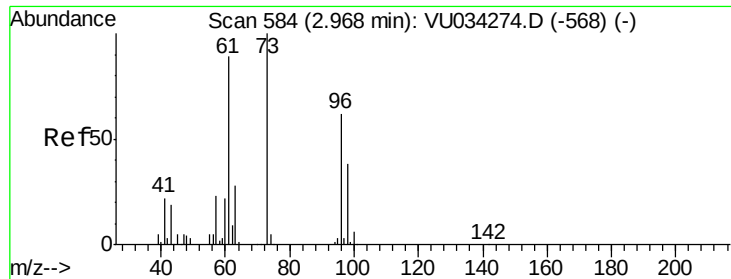
MMDadoda
9/10/2019 1:31:39 PM



#20
Methylene Chloride
Concen: 51.798 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.8	96.0	144.0
51	36.1	30.0	45.0
86	63.9	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 48.321 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

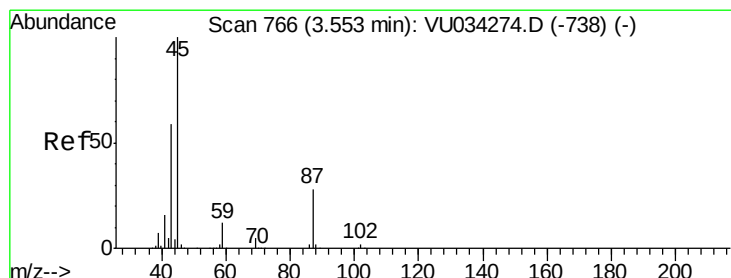
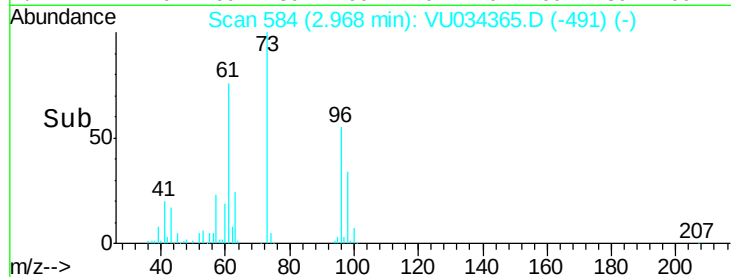
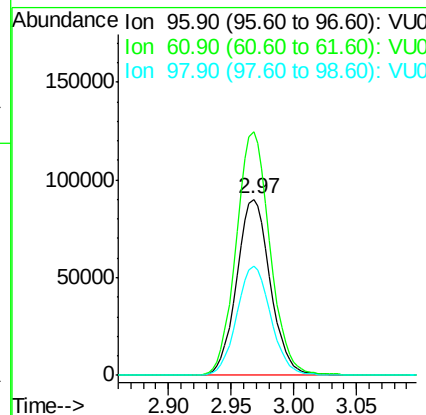
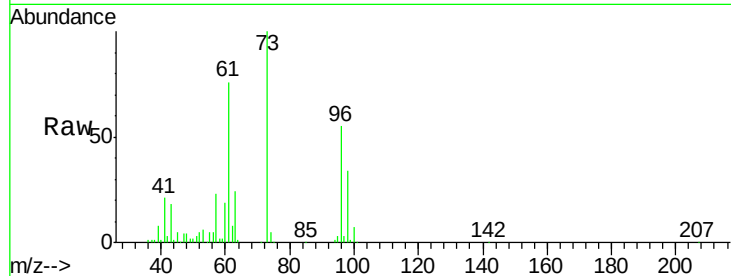
ClientSampleId :

S13-0263MSD

Tot Ion:	96	Resp:	168265
Ion	Ratio	Lower	Upper
96	100		
61	138.2	114.8	172.2
98	62.4	49.8	74.8

Manual Integrations
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MMDadoda
9/10/2019 1:31:39 PM



#22

Diisopropyl ether

Concen: 50.985 ug/l

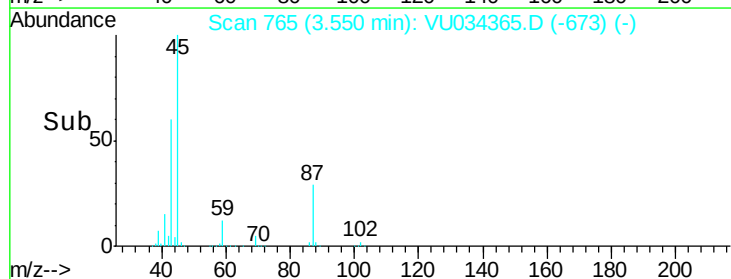
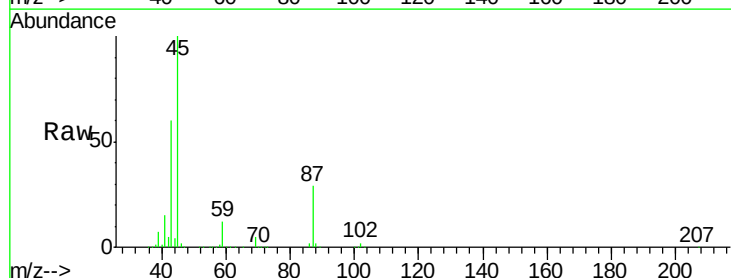
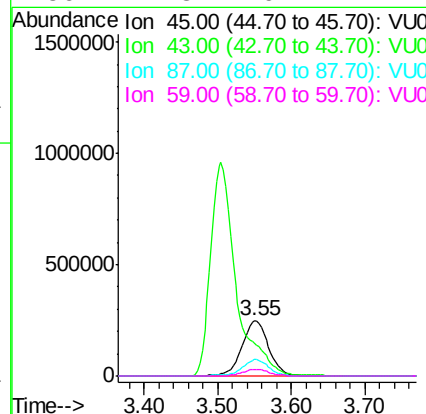
RT: 3.55 min Scan# 766

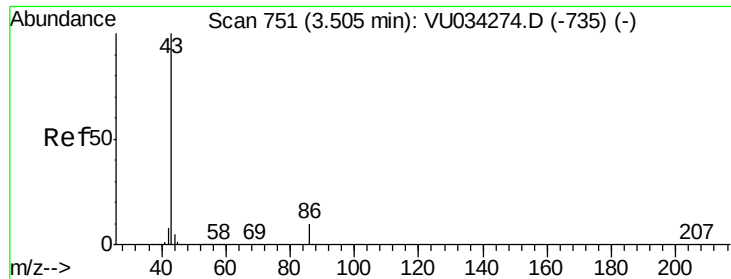
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	45	Resp:	628132
Ion	Ratio	Lower	Upper
45	100		
43	59.3	47.5	71.3
87	29.0	22.2	33.4
59	12.3	9.4	14.2





#23

Vinyl Acetate

Concen: 231.624 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

S13-0263MSD

Tot Ion: 43 Resp: 2324439

Ion Ratio Lower Upper

43 100

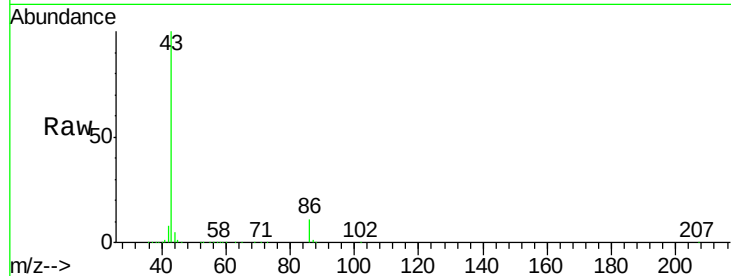
86 11.0 8.3 12.5

Manual Integrations

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9/10/2019 1:31:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034365.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034365.D (-658) (-)

1000000

800000

600000

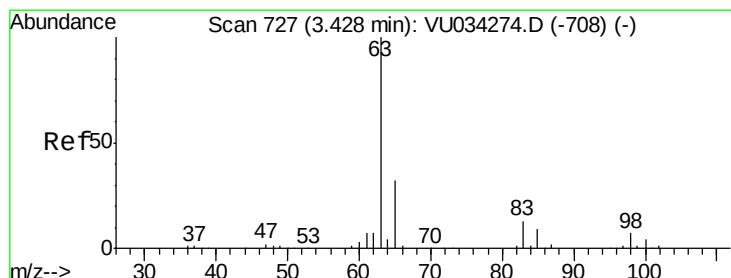
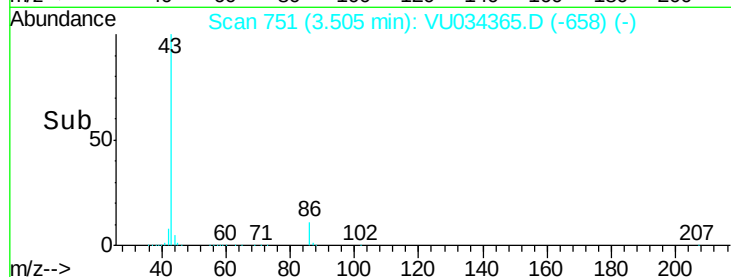
400000

200000

0

3.40 3.50 3.60 3.70

Time-->



#24

1,1-Dichloroethane

Concen: 47.953 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

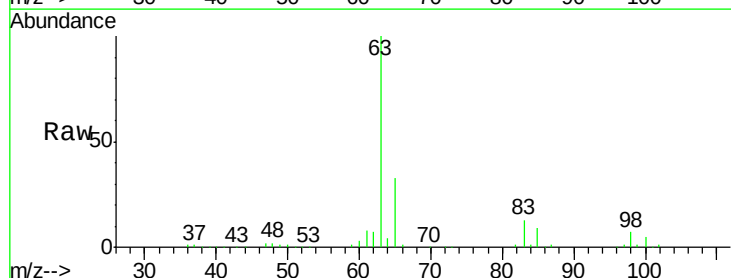
Tgt Ion: 63 Resp: 352809

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

100 4.6 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034365.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034365.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034365.D (-634) (-)

200000

150000

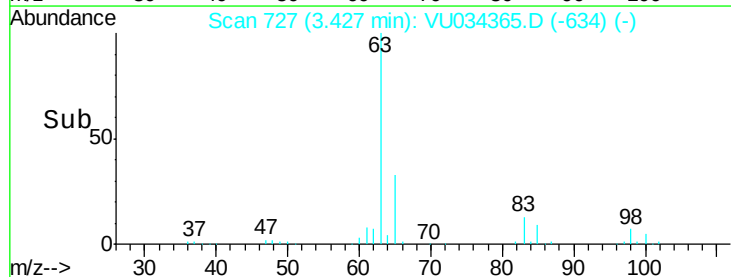
100000

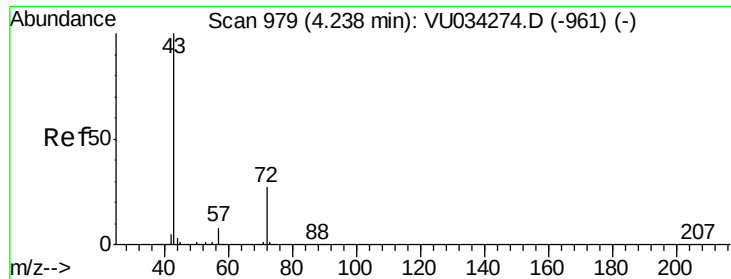
50000

0

3.30 3.40 3.50

Time-->





#25

2-Butanone

Concen: 248.956 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 43 Resp: 790286

Ion Ratio Lower Upper

43 100

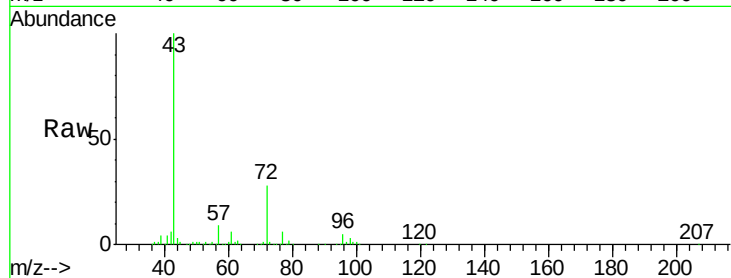
72 28.3 21.8 32.6

Manual Integrations

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MMDadoda

9/10/2019 1:31:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-961) (-)

Ion 72.00 (71.70 to 72.70): VU034274.D (-961) (-)

4.23

300000

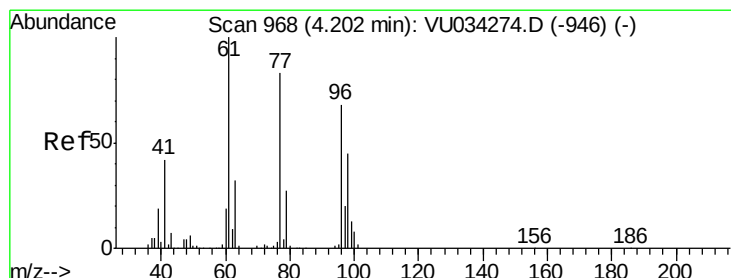
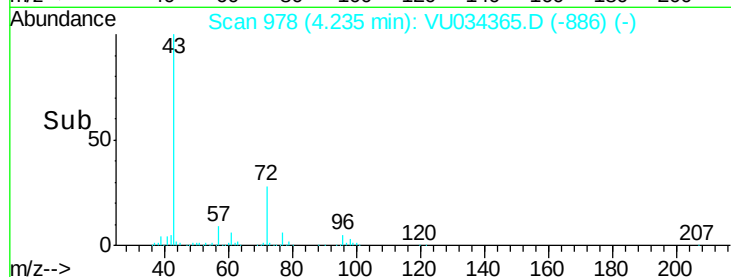
200000

100000

0

4.20 4.30

Time-->



#26

2,2-Dichloropropane

Concen: 36.943 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034365.D

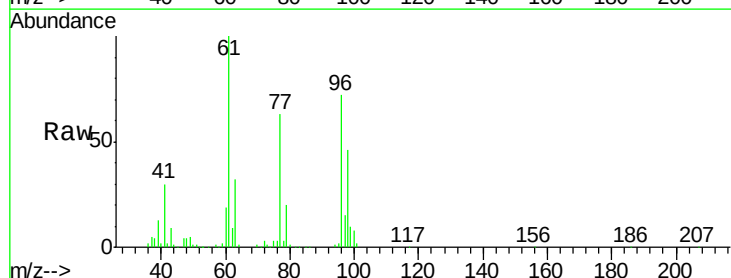
Acq: 07 Sep 2019 05:18

Tgt Ion: 77 Resp: 218609

Ion Ratio Lower Upper

77 100

97 24.9 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034274.D (-946) (-)

Ion 96.90 (96.60 to 97.60): VU034274.D (-946) (-)

4.20

80000

60000

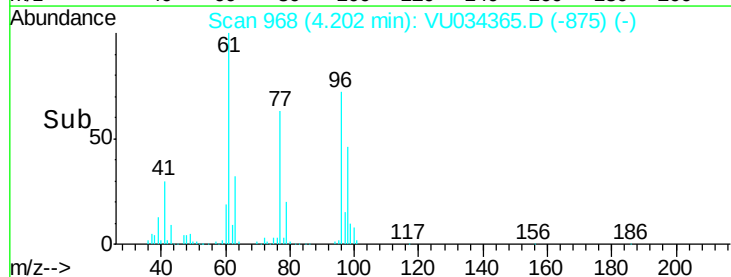
40000

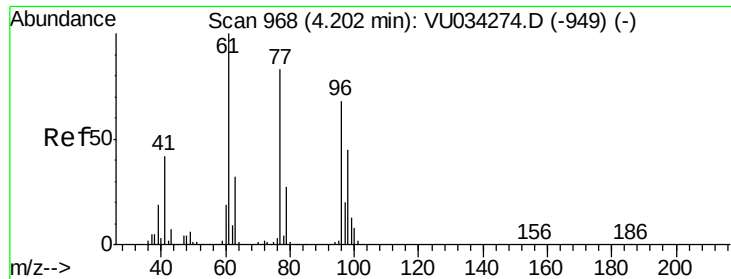
20000

0

4.10 4.20 4.30

Time-->





#27

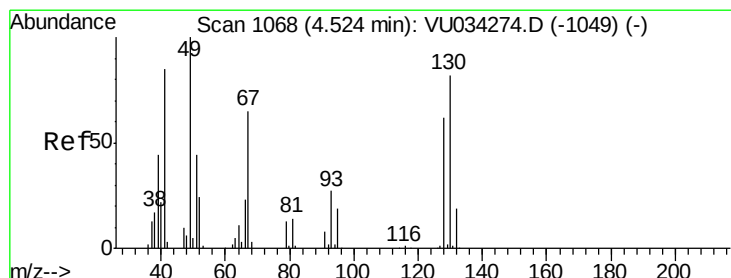
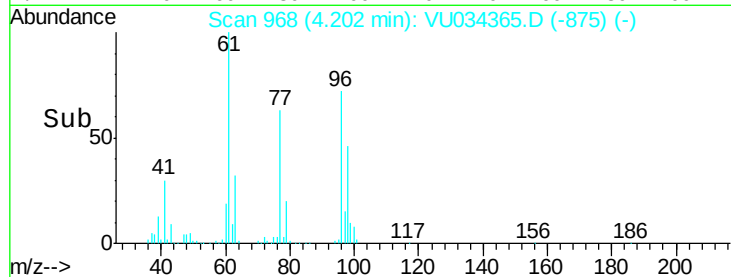
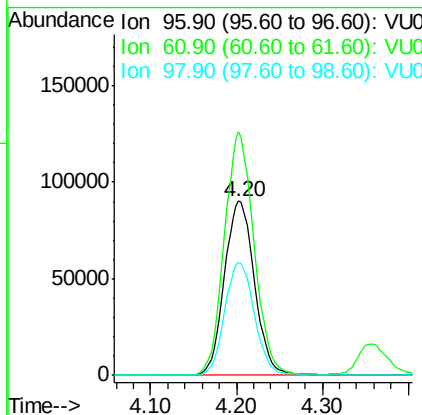
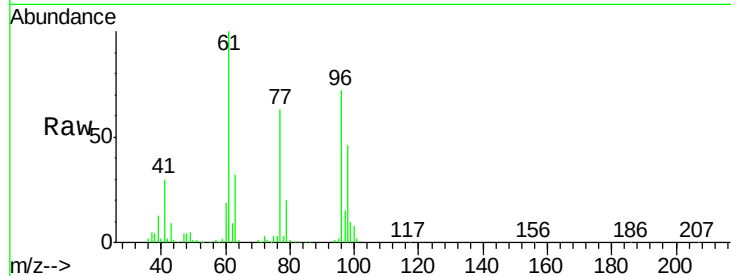
cis-1,2-Dichloroethene
Concen: 51.824 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	219180		
61	138.3	0.0	297.4	
98	64.2	0.0	130.0	

Manual Integrations
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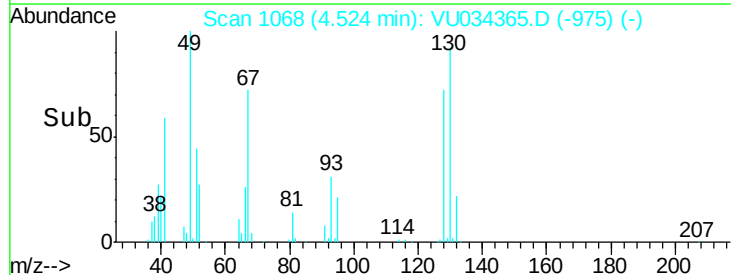
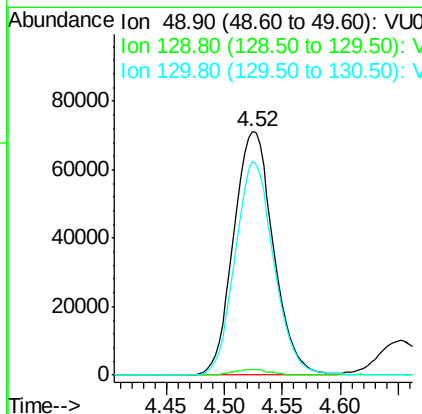
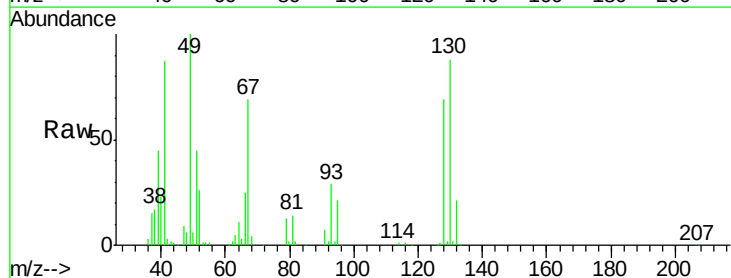
MMDadoda
9/10/2019 1:31:39 PM

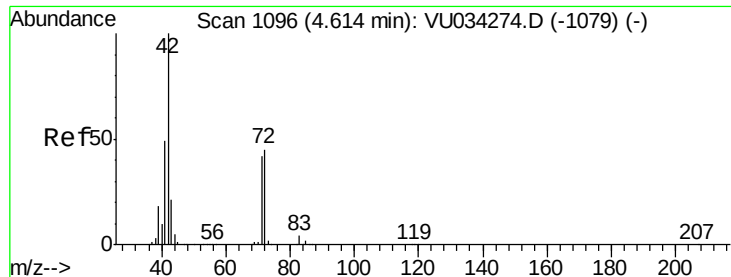


#28

Bromochloromethane
Concen: 50.209 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169912		
129	2.1	0.0	3.8	
130	85.4	65.2	97.8	





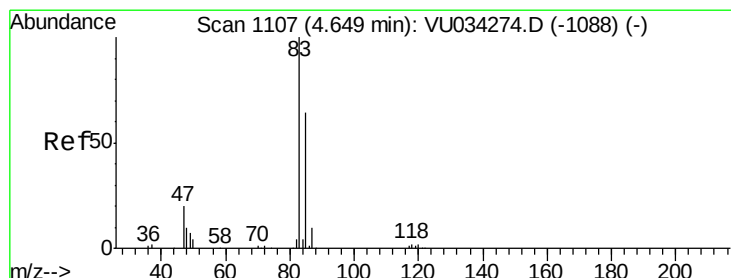
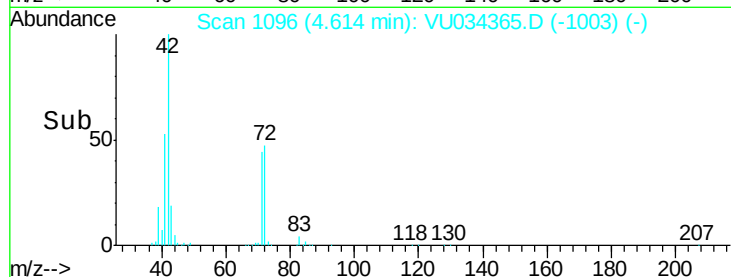
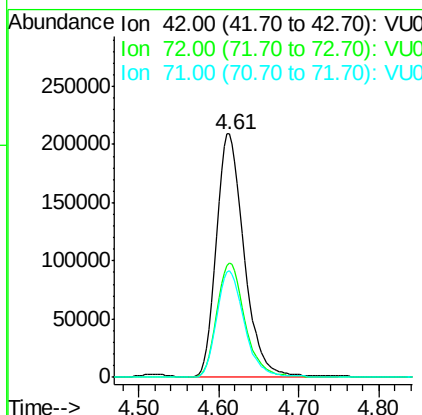
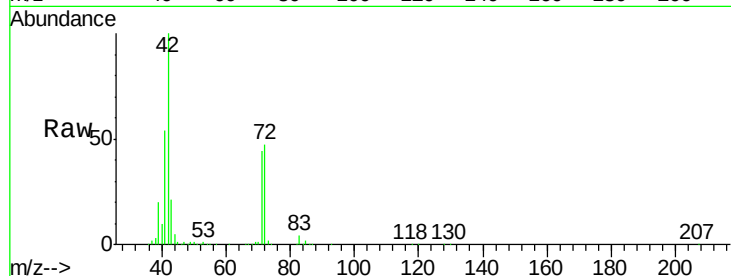
#29
Tetrahydrofuran
Concen: 259.708 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampled :
S13-0263MSD

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	36.6	54.8
71	44.0	34.3	51.5

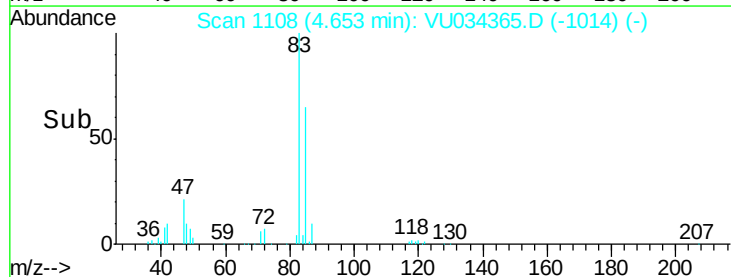
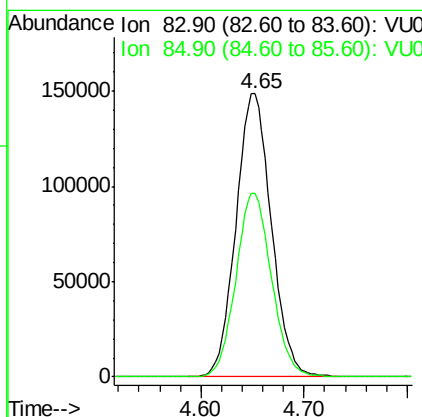
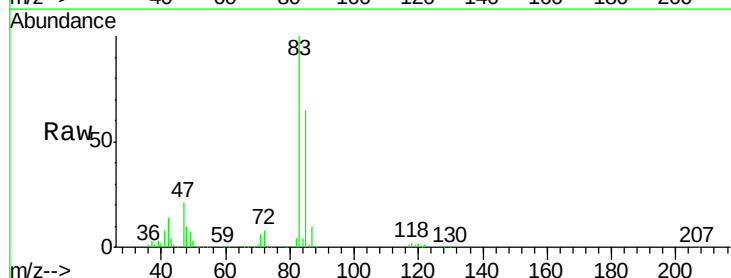
Manual Integrations
APPROVED

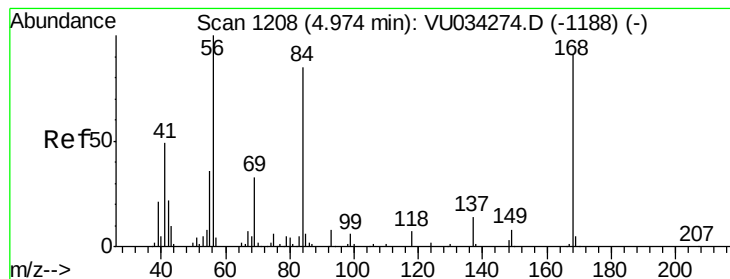
MMDadoda
9/10/2019 1:31:39 PM



#30
Chloroform
Concen: 47.425 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 46.182 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

S13-0263MSD

Tot Ion: 56 Resp: 248579

Ion Ratio Lower Upper

56 100

69 33.5 26.7 40.1

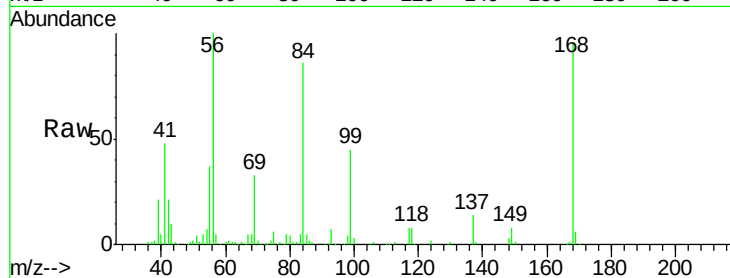
84 84.7 68.2 102.4

Manual Integrations

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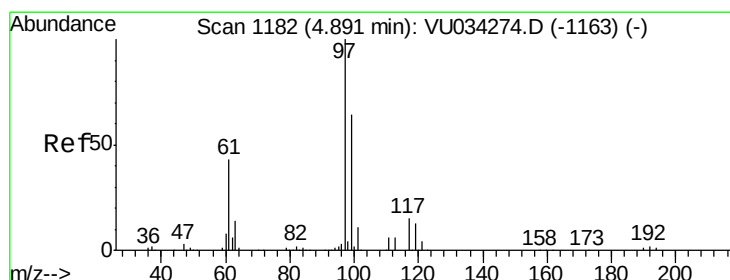
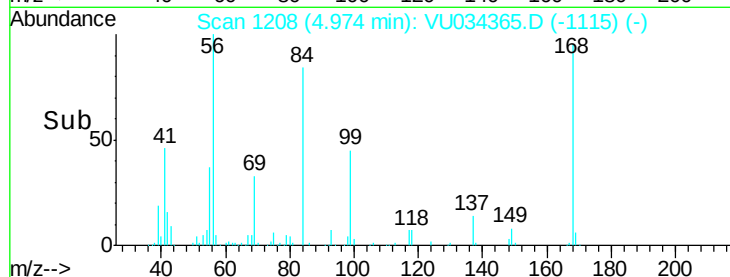
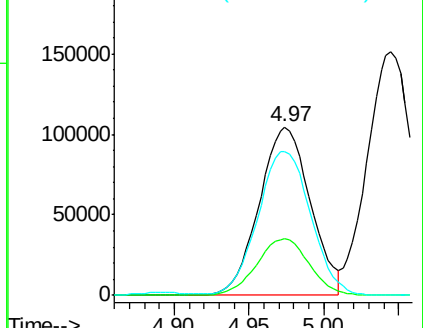
9/10/2019 1:31:39 PM



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

Ion 69.00 (68.70 to 69.70): VU034274.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034274.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 49.034 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

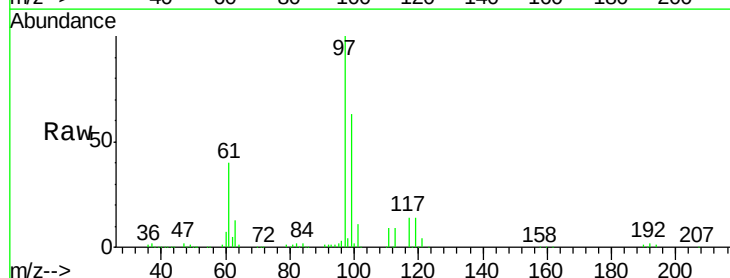
Tgt Ion: 97 Resp: 293190

Ion Ratio Lower Upper

97 100

99 63.9 50.9 76.3

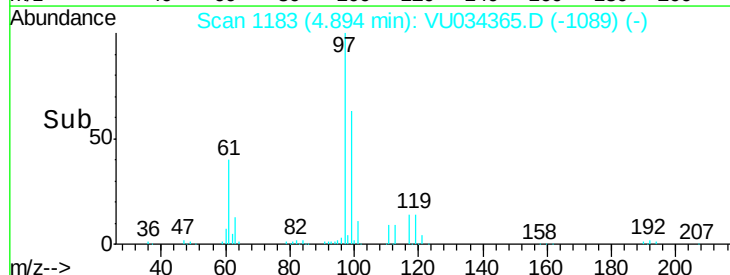
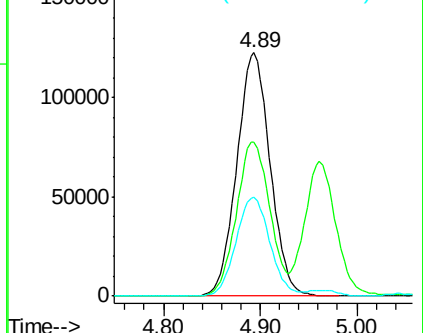
61 41.4 34.7 52.1

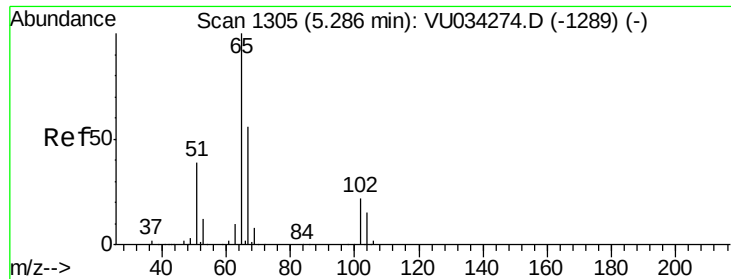


Abundance Ion 96.90 (96.60 to 97.60): VU034274.D (-1163) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1163) (-)

Ion 60.90 (60.60 to 61.60): VU034274.D (-1163) (-)





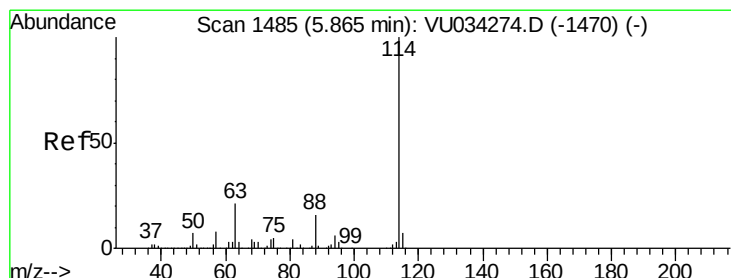
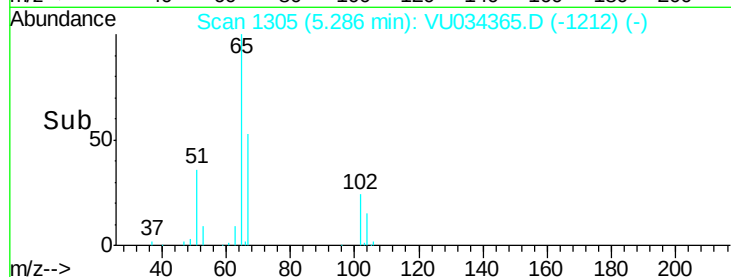
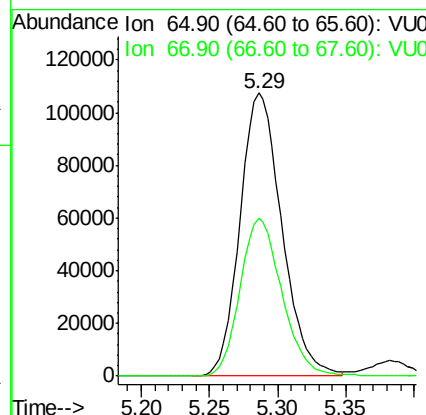
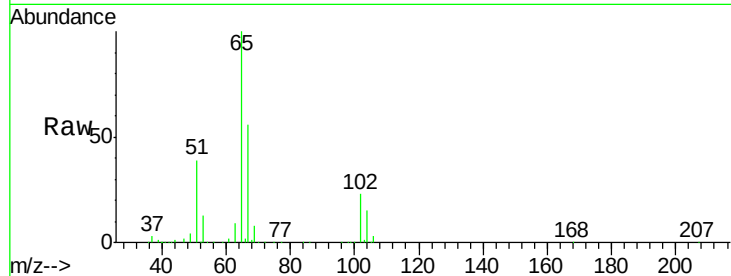
#33
 1,2-Dichloroethane-d4
 Concen: 49.779 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228750		
67	55.9	0.0	112.4	

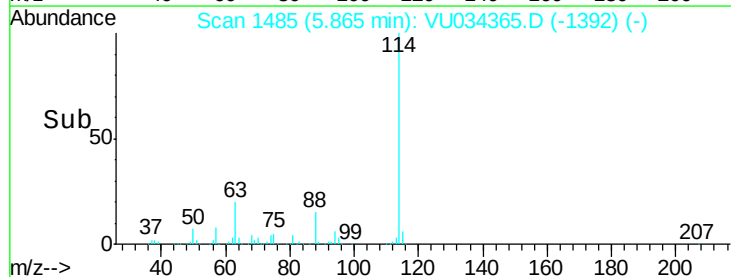
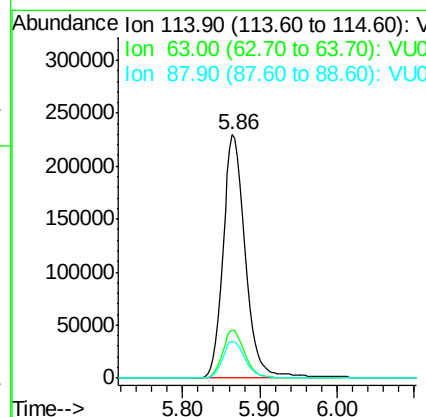
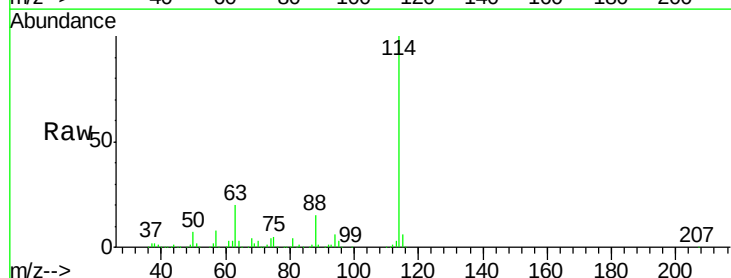
Manual Integrations
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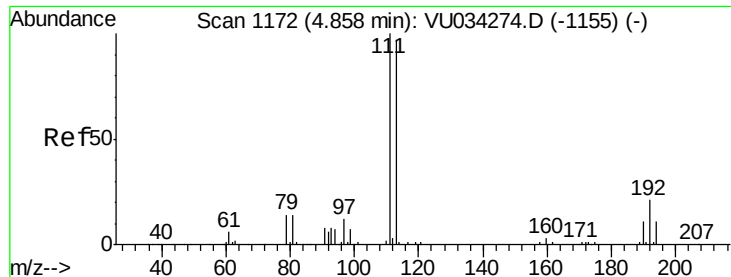
MMDadoda
 9/10/2019 1:31:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	464551		
63	19.8	0.0	42.4	
88	15.2	0.0	32.4	





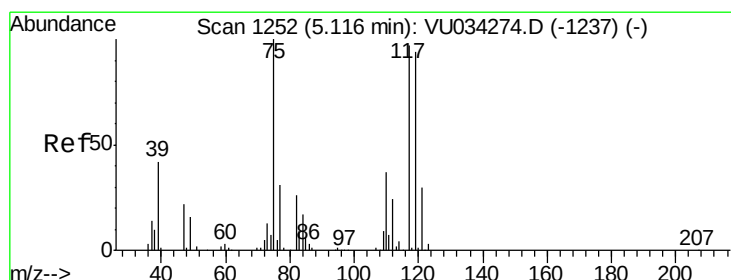
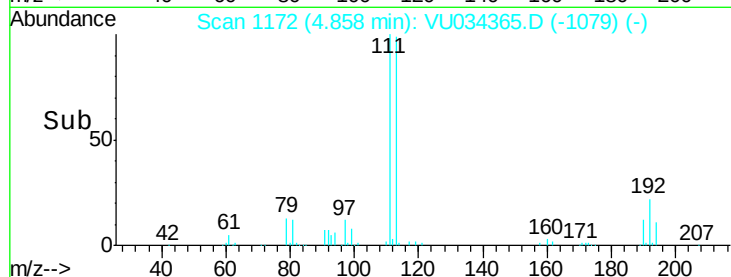
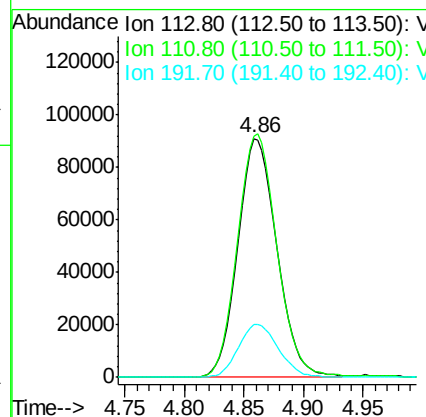
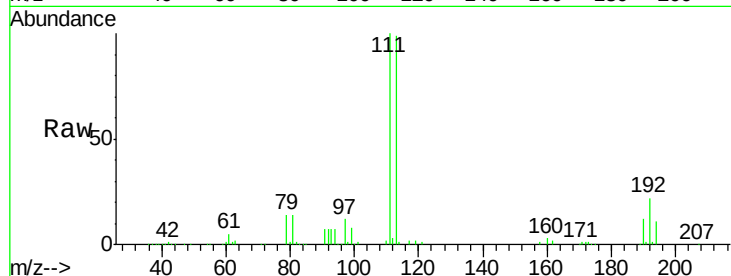
#35
 Dibromofluoromethane
 Concen: 48.002 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	207498		
111	102.9	81.5	122.3	
192	22.7	17.8	26.8	

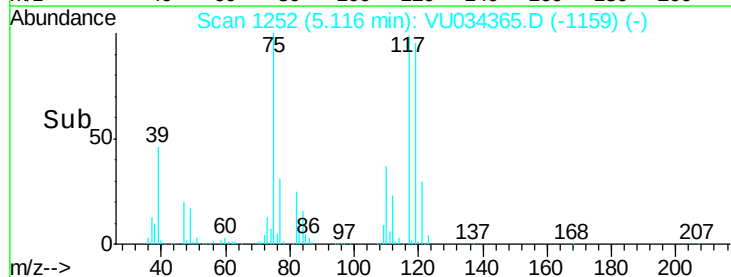
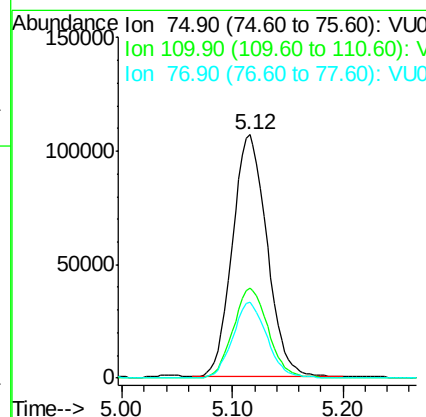
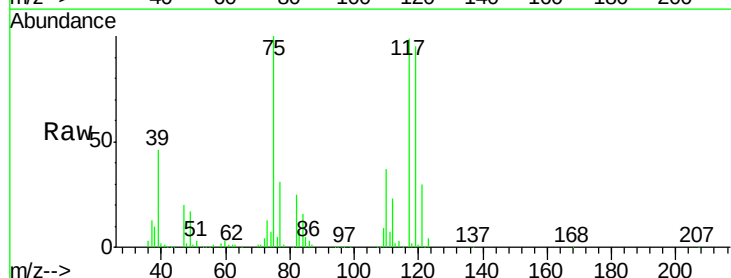
Manual Integrations
 APPROVED

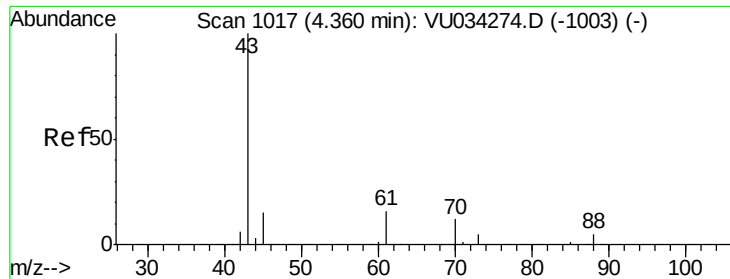
MMDadoda
 9/10/2019 1:31:39 PM



#36
 1,1-Dichloropropene
 Concen: 46.048 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	231997		
110	37.9	18.3	54.9	
77	30.7	24.9	37.3	





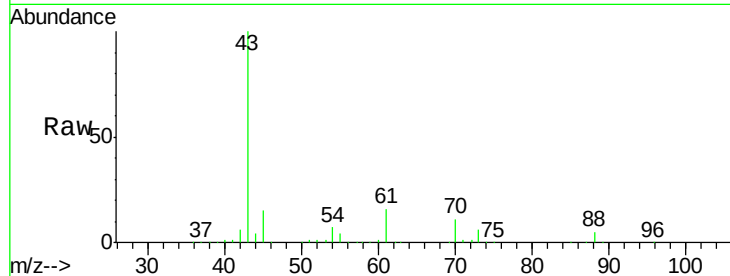
#37
Ethyl Acetate
Concen: 43.249 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

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

Manual Integrations
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MMDadoda
9/10/2019 1:31:39 PM

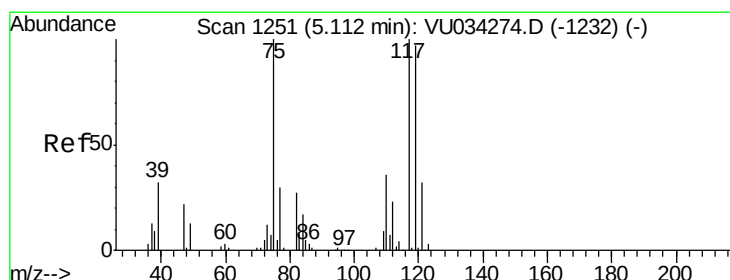
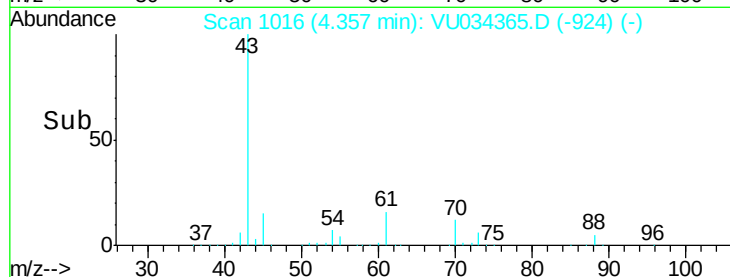
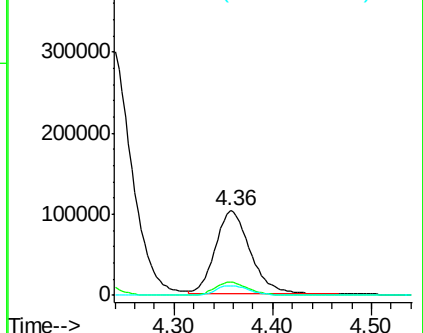


Abundance

Ion 43.00 (42.70 to 43.70): VU034274.D (-1003) (-)

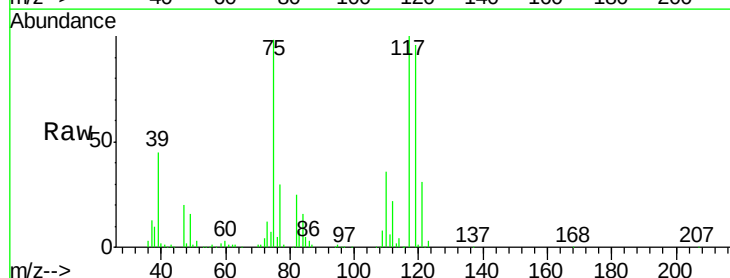
Ion 60.90 (60.60 to 61.60): VU034274.D (-1003) (-)

Ion 70.00 (69.70 to 70.70): VU034274.D (-1003) (-)



#38
Carbon Tetrachloride
Concen: 45.658 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.8	116.6
121	30.7	25.2	37.8

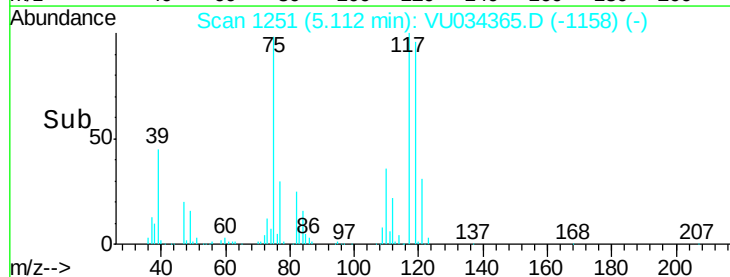
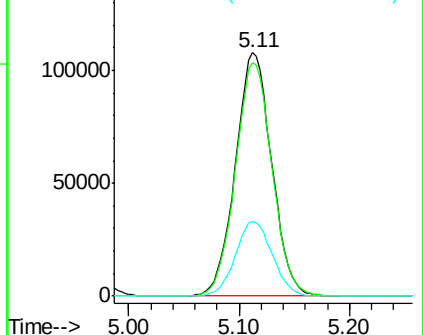


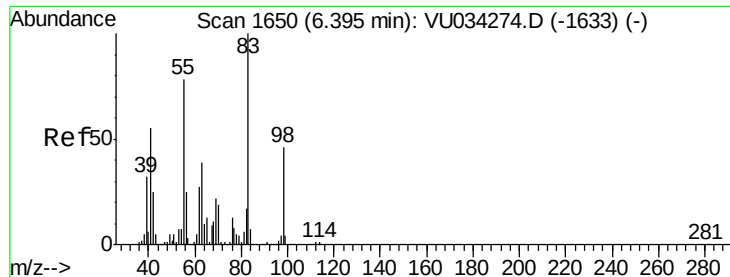
Abundance

Ion 116.80 (116.50 to 117.50): VU034274.D (-1232) (-)

Ion 118.80 (118.50 to 119.50): VU034274.D (-1232) (-)

Ion 120.80 (120.50 to 121.50): VU034274.D (-1232) (-)





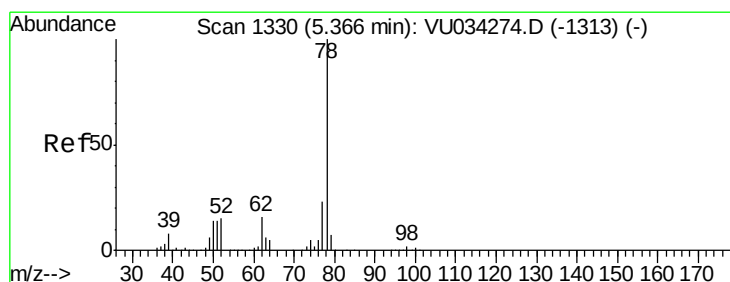
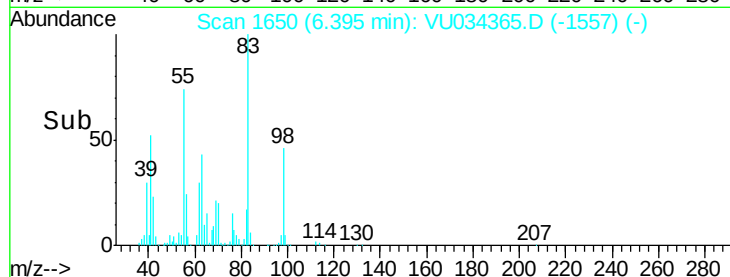
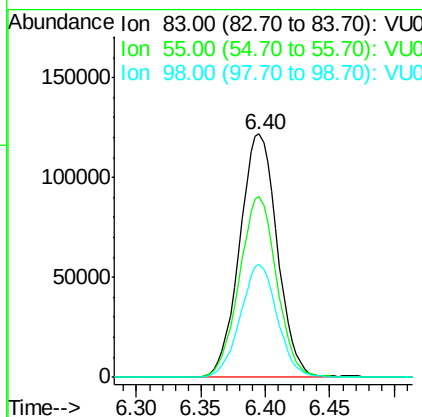
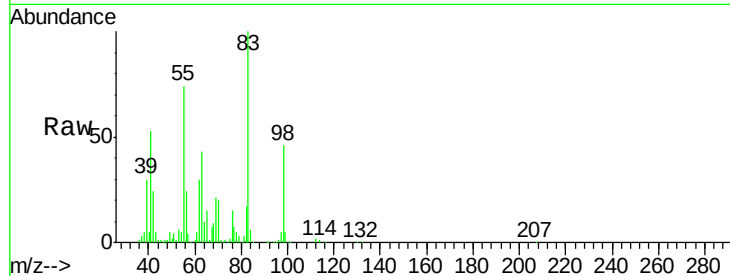
#39
Methylvlcyclohexane
Concen: 45.941 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.0	62.1	93.1
98	46.2	37.0	55.6

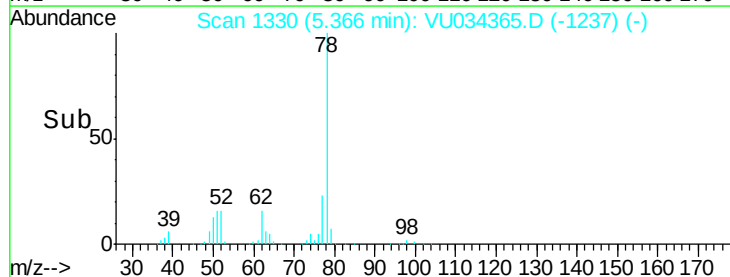
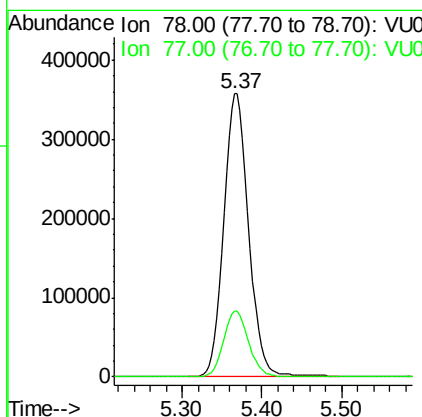
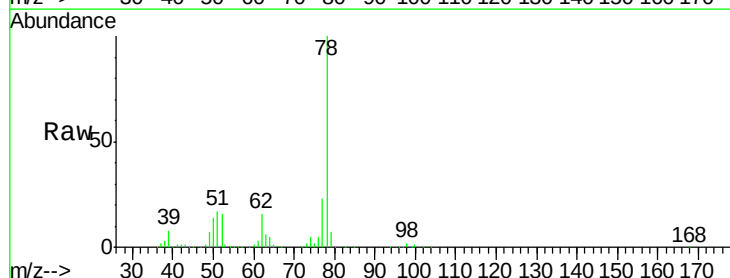
Manual Integrations
APPROVED

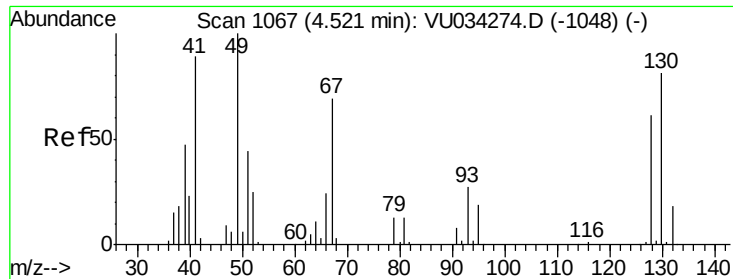
MMDadoda
9/10/2019 1:31:39 PM



#40
Benzene
Concen: 47.072 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





#41

Methacrylonitrile

Concen: 50.723 ug/l

RT: 4.52 min Scan# 1066

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 41 Resp: 160940
Ion Ratio Lower Upper

41 100

39 51.6 41.0 61.4

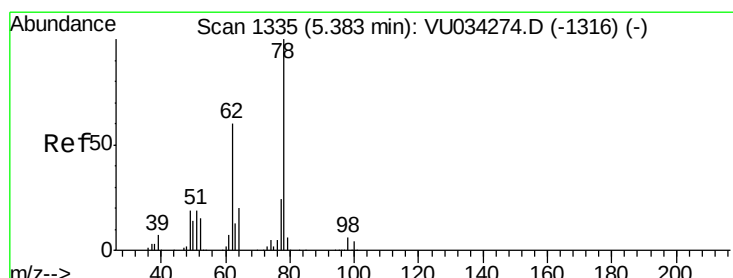
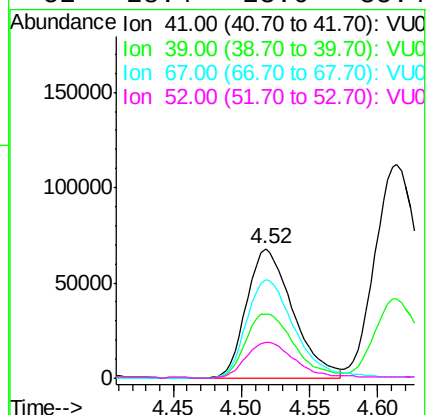
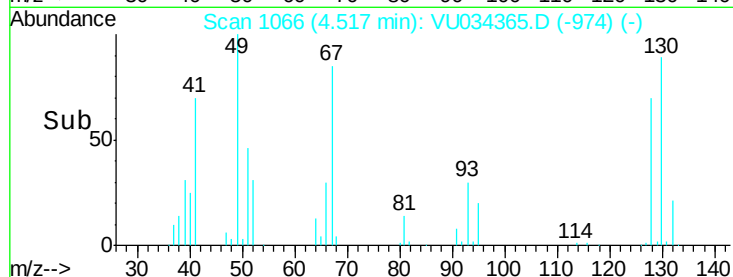
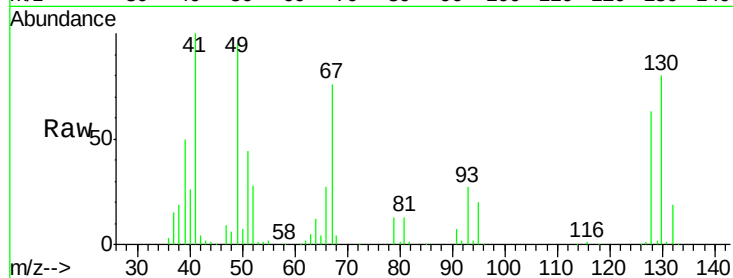
67 80.0 62.4 93.6

52 28.4 23.6 35.4

Manual Integrations
APPROVED

MMDadoda

9/10/2019 1:31:39 PM



#42

1,2-Dichloroethane

Concen: 45.728 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

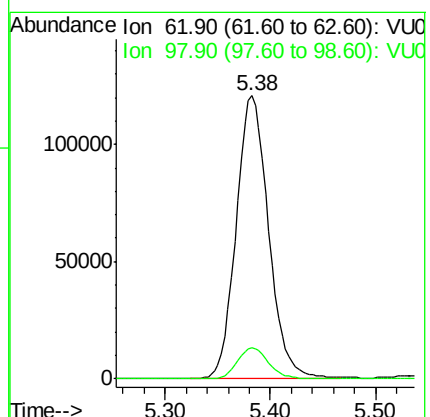
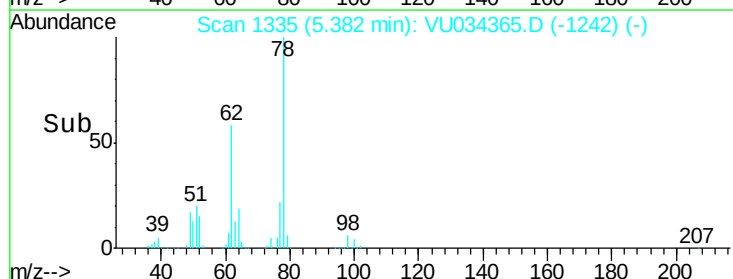
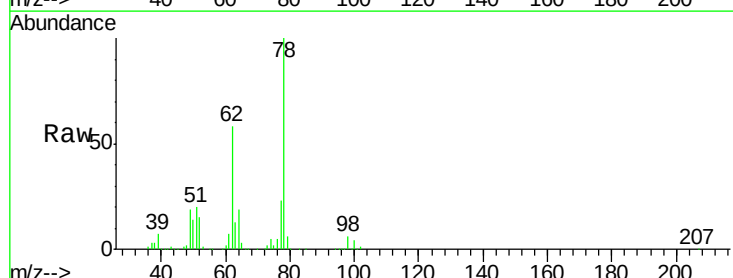
Lab File: VU034365.D

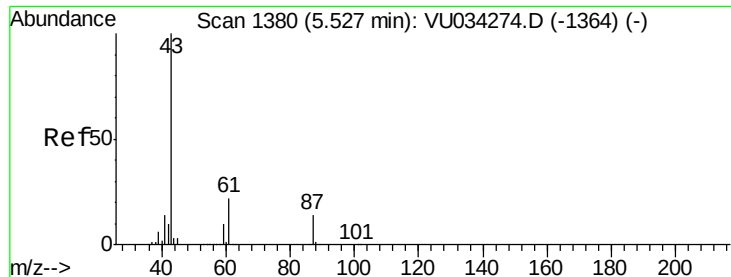
Acq: 07 Sep 2019 05:18

Tgt Ion: 62 Resp: 258098
Ion Ratio Lower Upper

62 100

98 10.6 0.0 20.0





#43

Isopropyl Acetate

Concen: 45.697 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

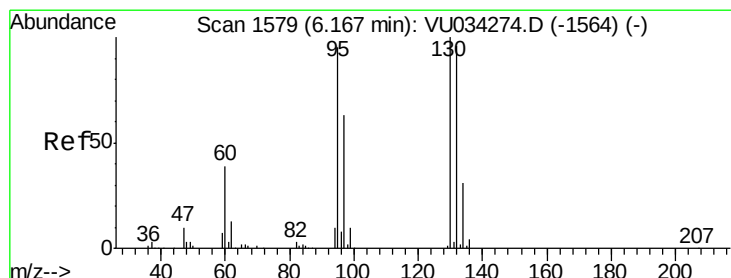
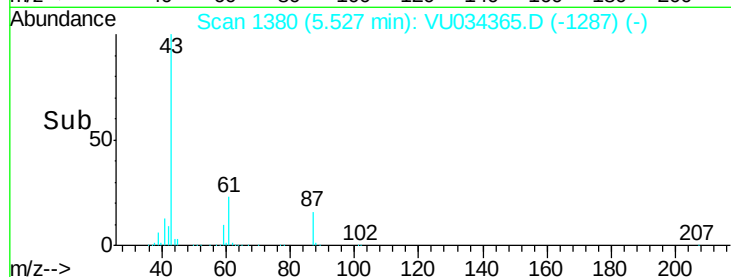
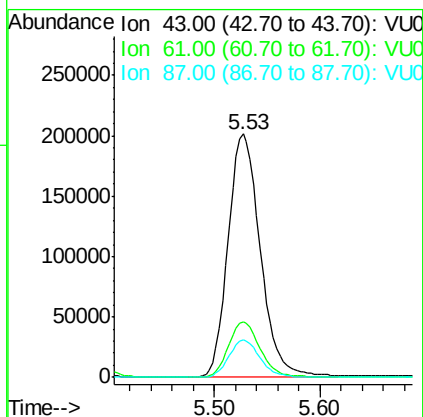
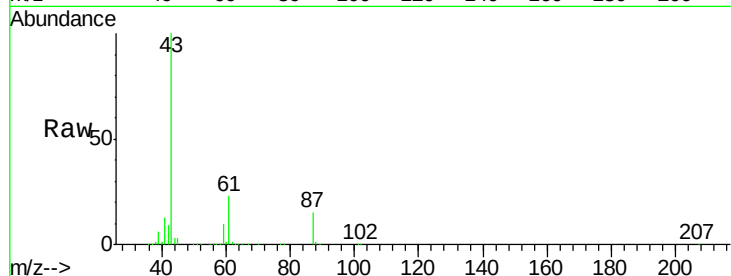
ClientSampleId :

S13-0263MSD

Tot Ion:	43	Resp:	424628
Ion	Ratio	Lower	Upper
43	100		
61	22.7	17.1	25.7
87	15.1	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 47.398 ug/l

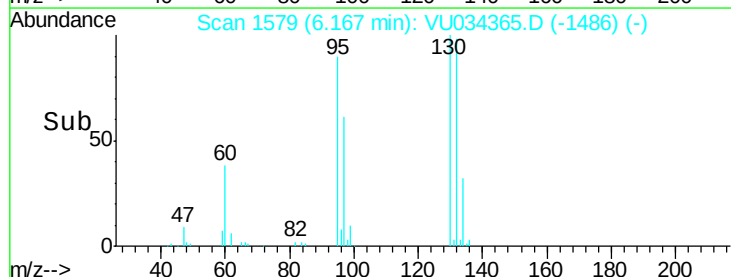
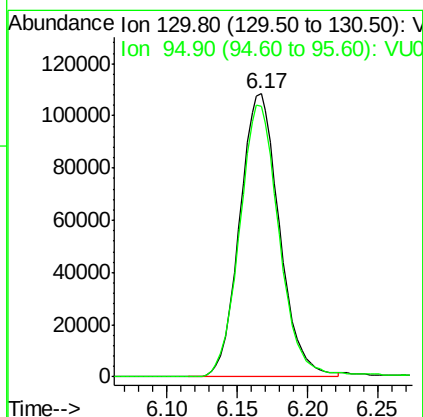
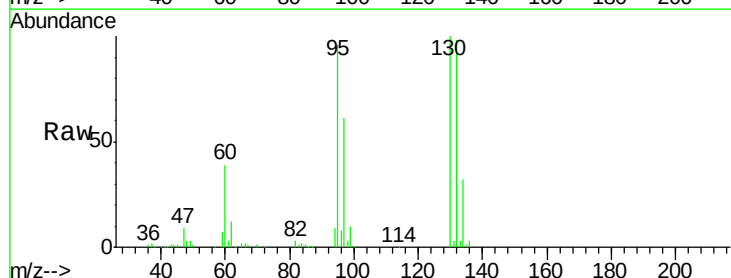
RT: 6.17 min Scan# 1579

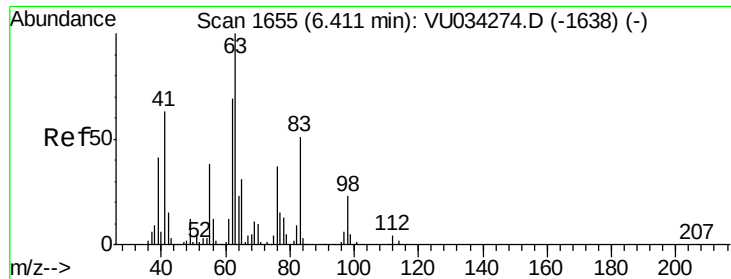
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	130	Resp:	213222
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	189.2





#45

1,2-Dichloropropane

Concen: 46.974 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

S13-0263MSD

Tot Ion: 63 Resp: 223244

Ion Ratio Lower Upper

63 100

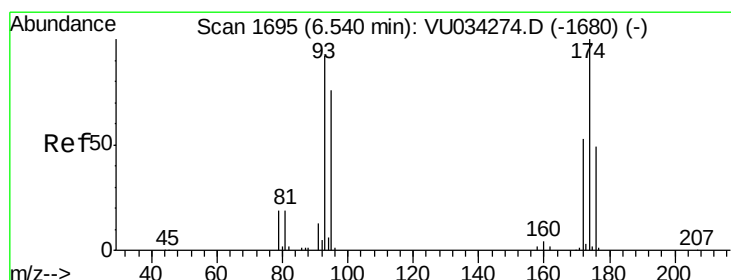
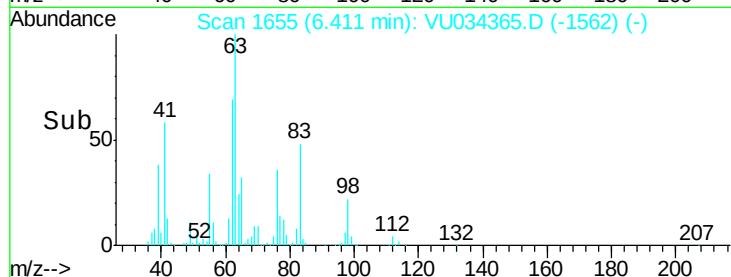
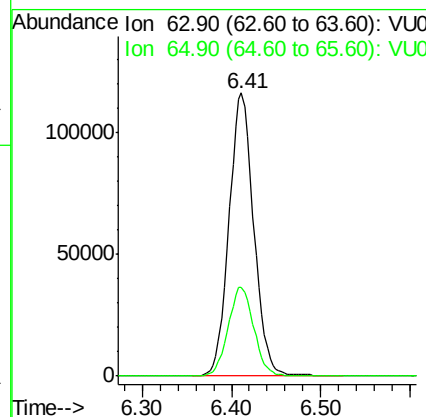
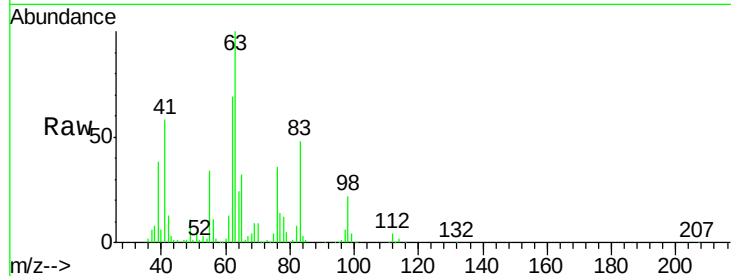
65 31.6 24.6 37.0

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 47.185 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

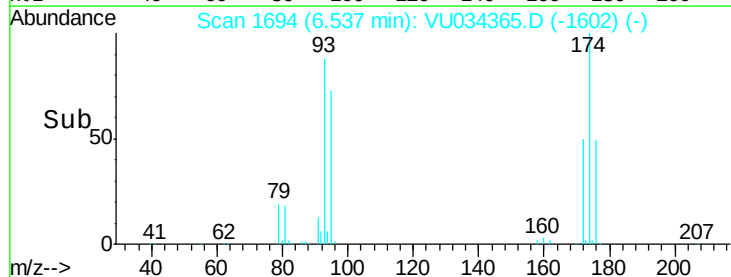
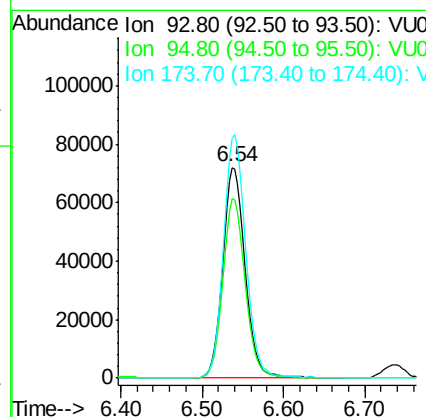
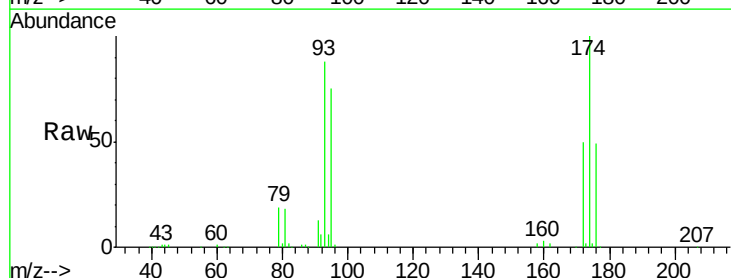
Tgt Ion: 93 Resp: 140761

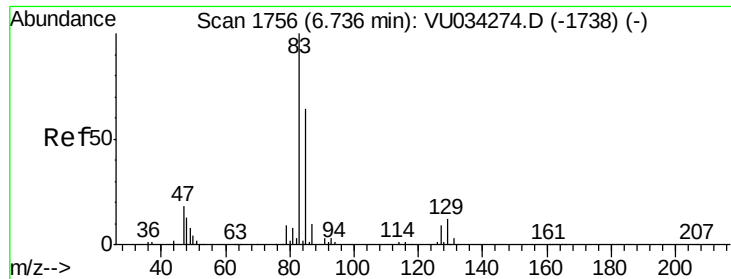
Ion Ratio Lower Upper

93 100

95 85.1 66.5 99.7

174 114.5 87.8 131.6





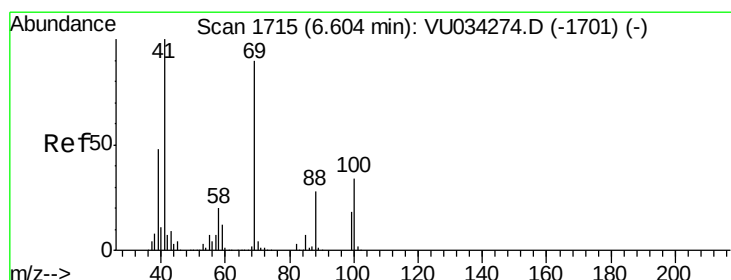
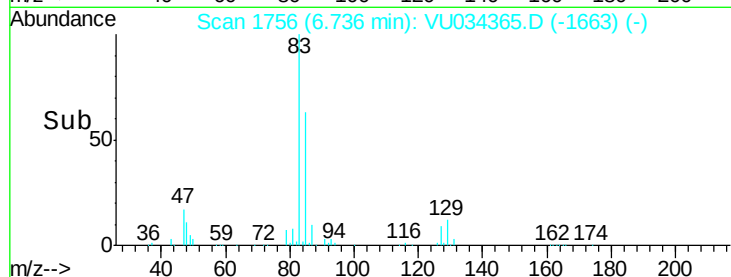
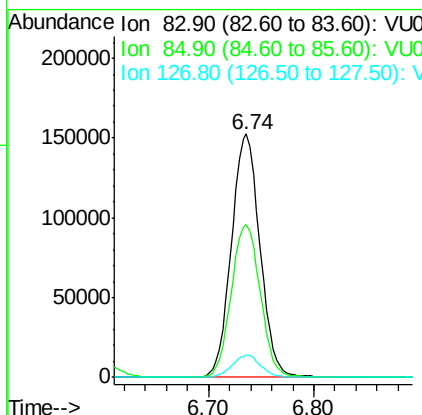
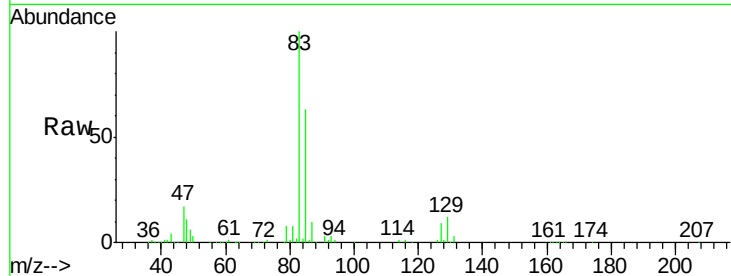
#47
Bromodichloromethane
Concen: 46.533 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	83	Resp	285739
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.1	76.7
127	9.2	7.2	10.8

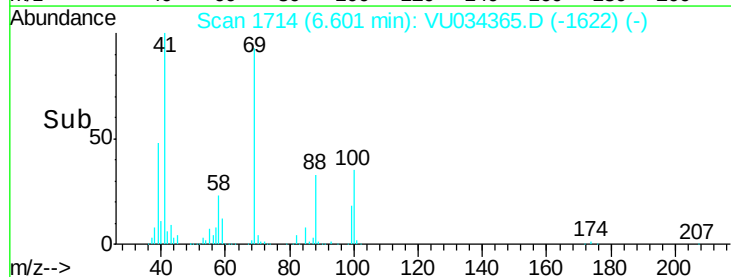
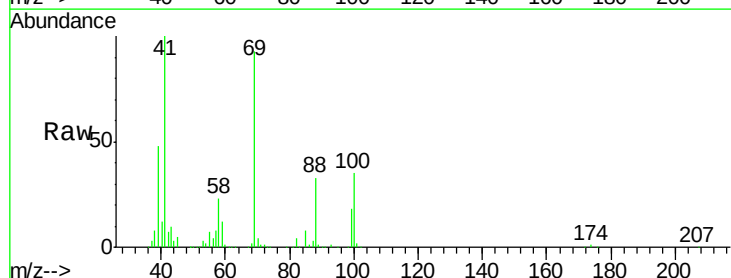
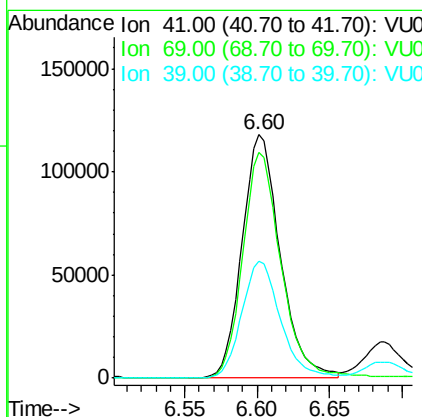
Manual Integrations
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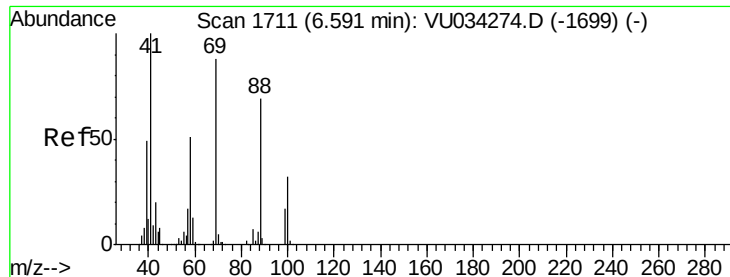
MMDadoda
9/10/2019 1:31:39 PM



#48
Methyl methacrylate
Concen: 48.781 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	41	Resp	215295
Ion Ratio	100	Lower	Upper
41	100		
69	94.1	72.8	109.2
39	48.7	38.6	58.0





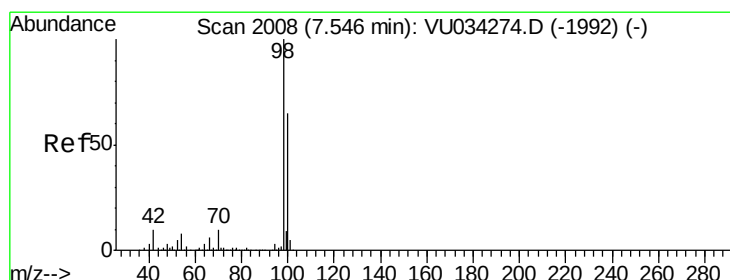
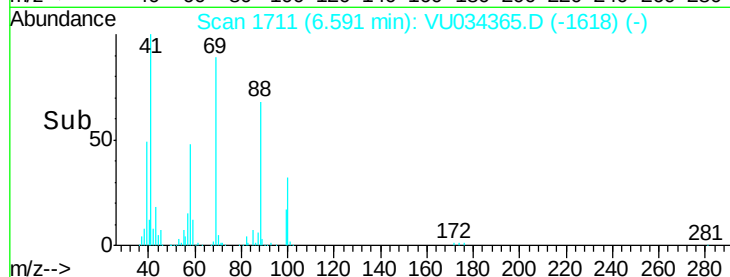
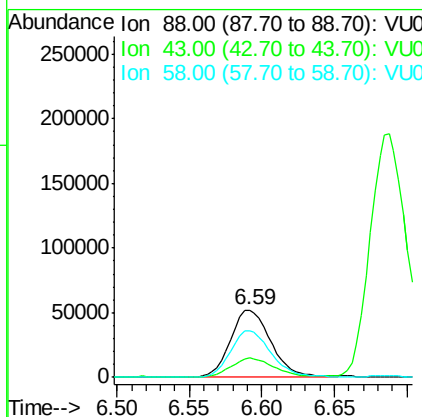
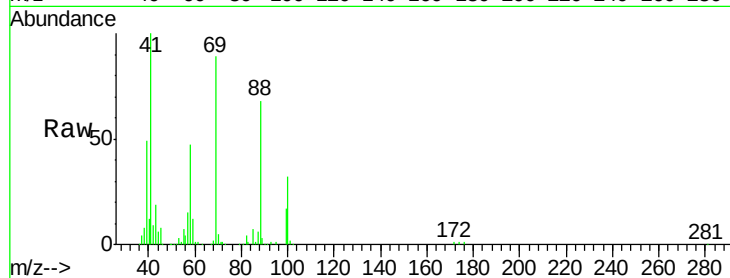
#49
1,4-Dioxane
Concen: 1034.703 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	88	Resp	99719
Ion	Ratio	Lower	Upper
88	100		
43	28.6	23.8	35.6
58	71.3	58.4	87.6

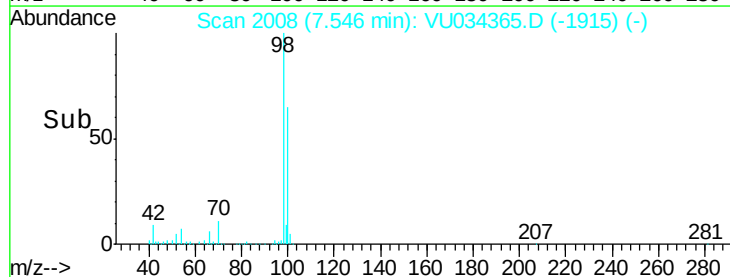
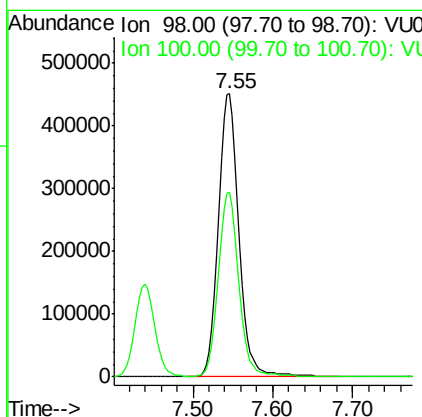
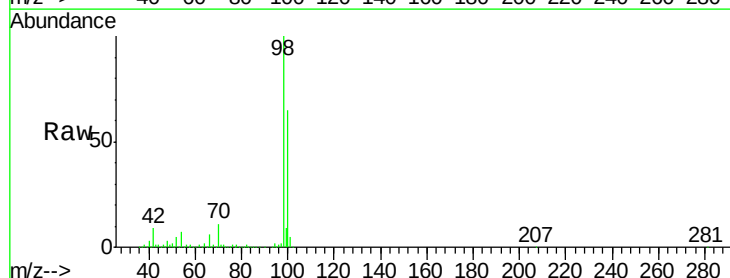
Manual Integrations
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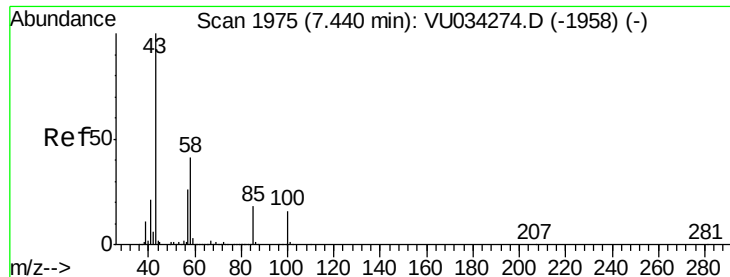
MMDadoda
9/10/2019 1:31:39 PM



#50
Toluene-d8
Concen: 49.643 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	98	Resp	806211
Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 244.540 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 43 Resp: 1572916

Ion Ratio Lower Upper

43 100

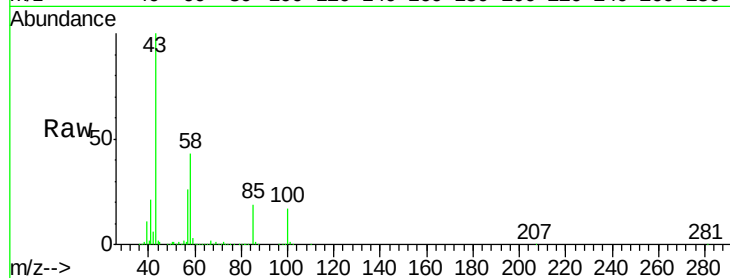
58 42.3 33.0 49.4

Manual Integrations

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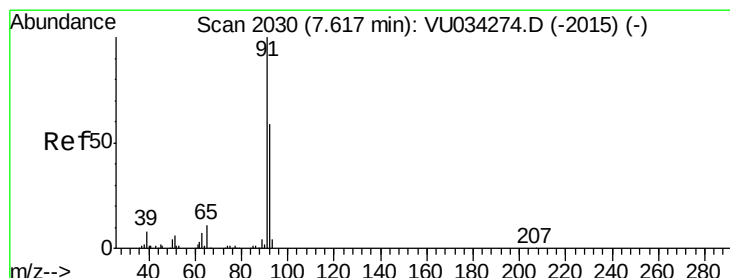
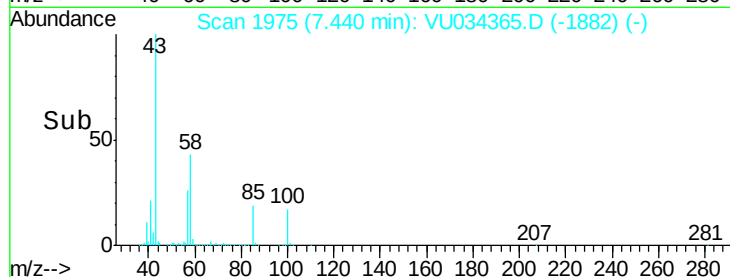
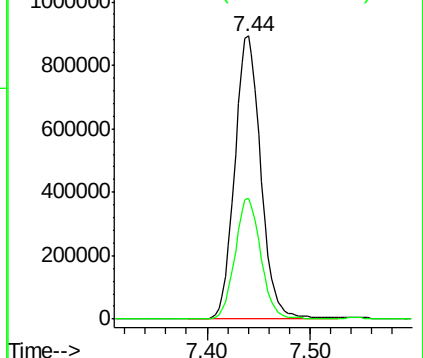
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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#52

Toluene

Concen: 48.352 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034365.D

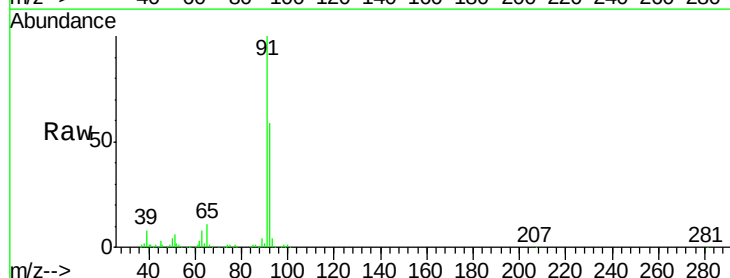
Acq: 07 Sep 2019 05:18

Tgt Ion: 92 Resp: 493089

Ion Ratio Lower Upper

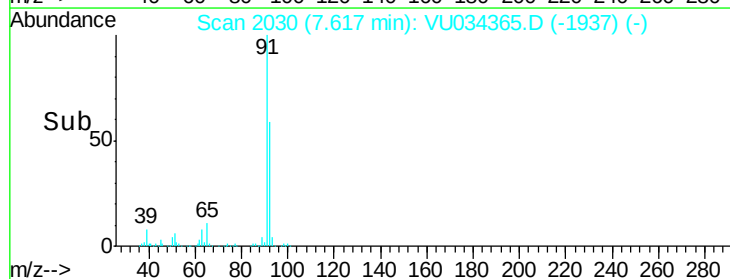
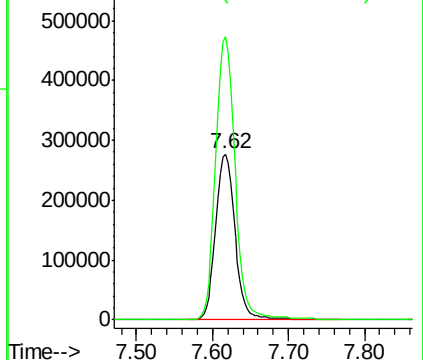
92 100

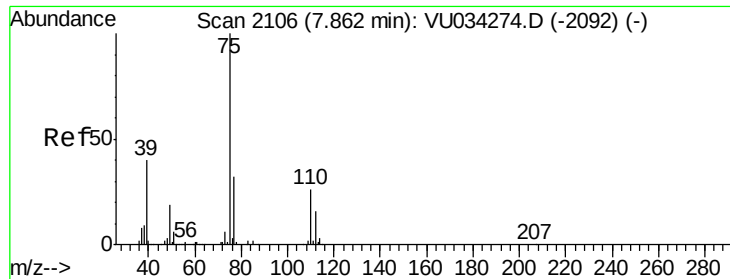
91 171.3 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0





#53

t-1,3-Dichloropropene

Concen: 46.635 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 75 Resp: 296855

Ion Ratio Lower Upper

75 100

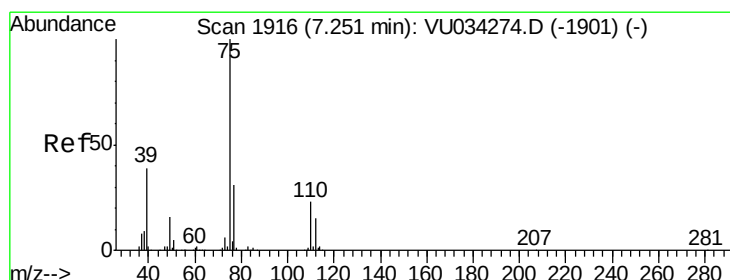
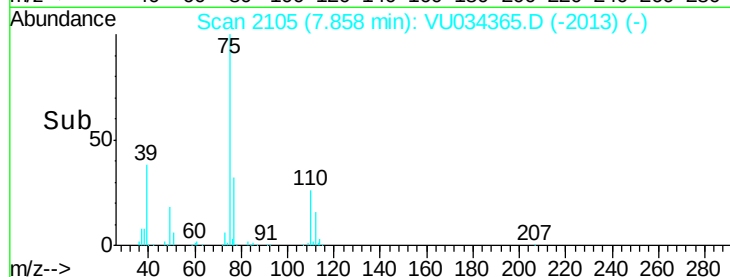
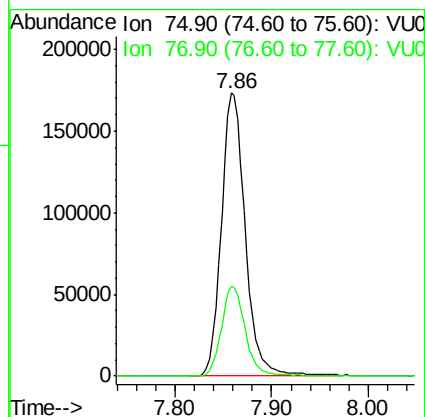
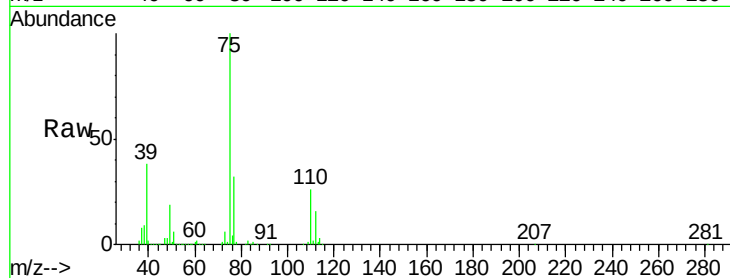
77 31.8 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 46.414 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

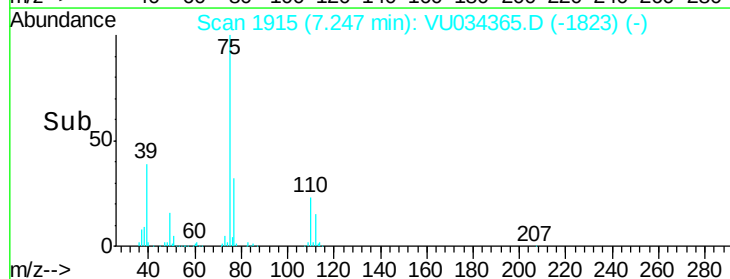
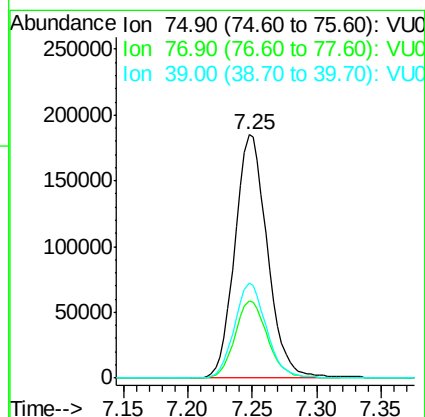
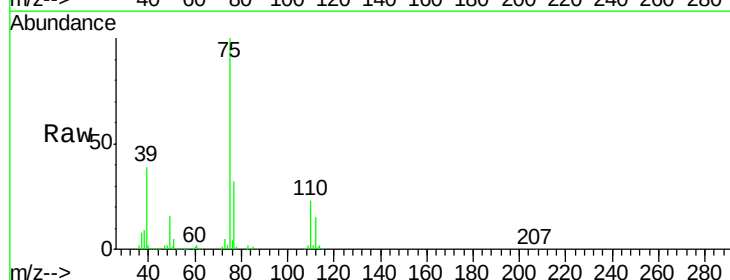
Tgt Ion: 75 Resp: 324265

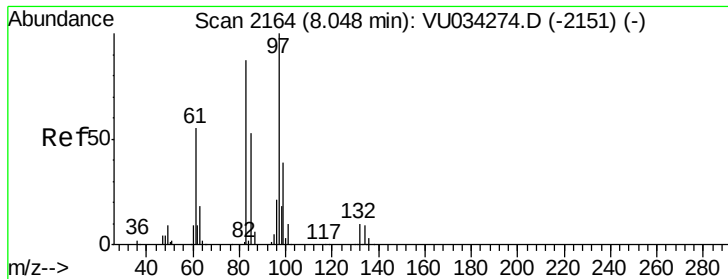
Ion Ratio Lower Upper

75 100

77 31.6 25.1 37.7

39 39.0 31.2 46.8





#55

1,1,2-Trichloroethane

Concen: 46.893 ug/l

RT: 8.05 min Scan# 2164

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

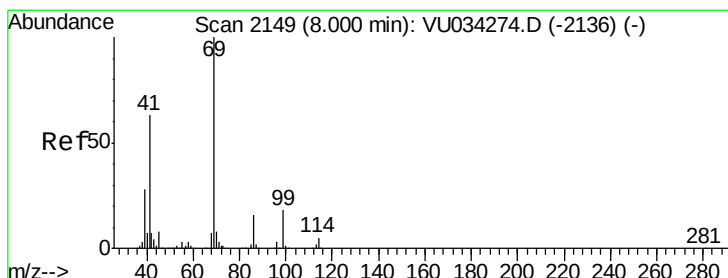
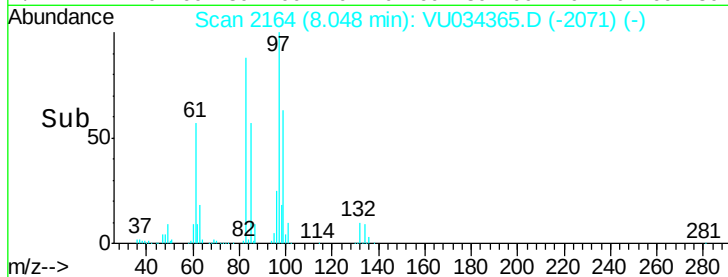
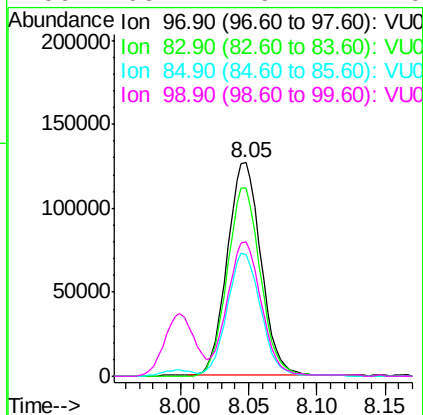
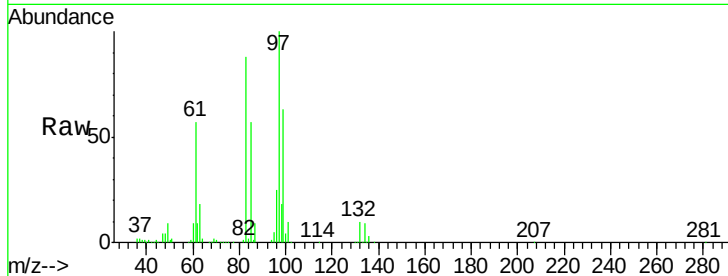
ClientSampleId :

S13-0263MSD

Tot Ion:	97	Resp:	217145
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.0	103.6
85	56.8	44.2	66.2
99	63.1	49.4	74.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.975 ug/l

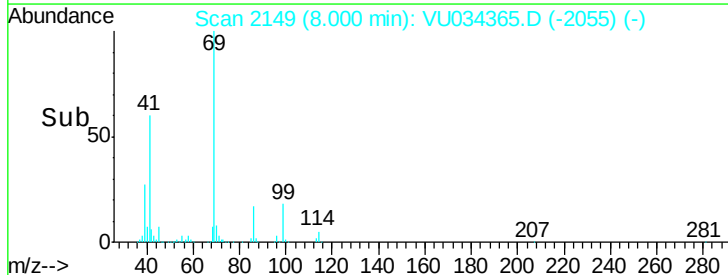
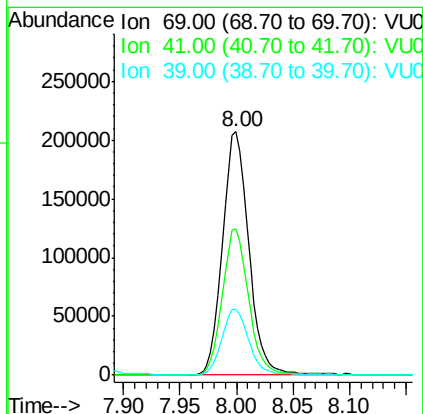
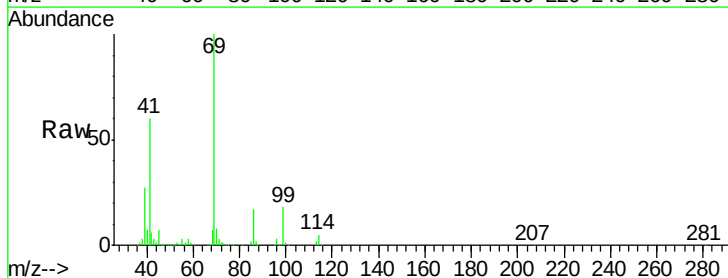
RT: 8.00 min Scan# 2149

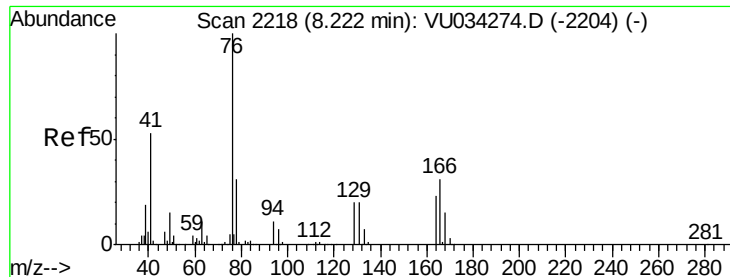
Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	69	Resp:	336582
Ion	Ratio	Lower	Upper
69	100		
41	59.5	49.5	74.3
39	27.2	22.5	33.7





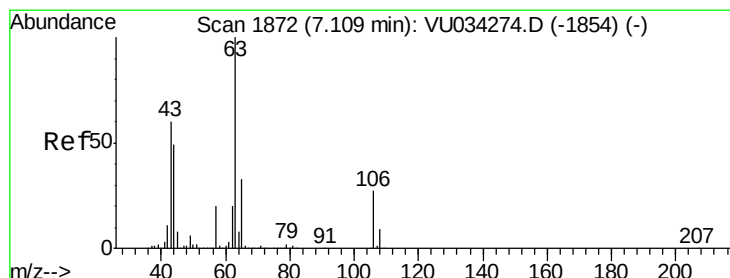
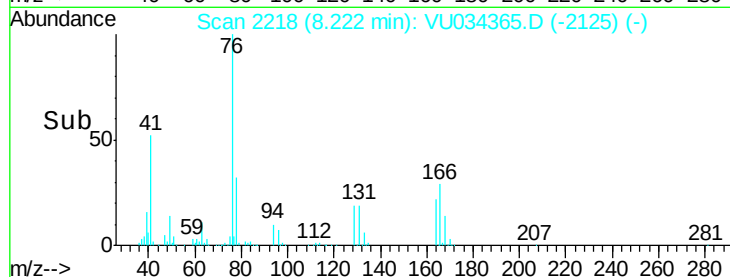
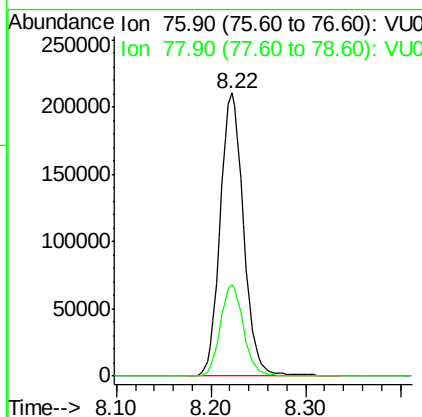
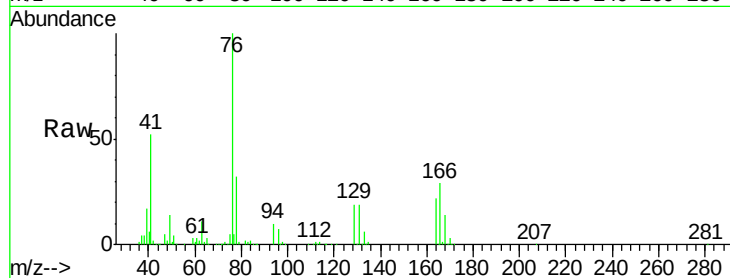
#57
 1,3-Dichloropropane
 Concen: 47.929 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.2

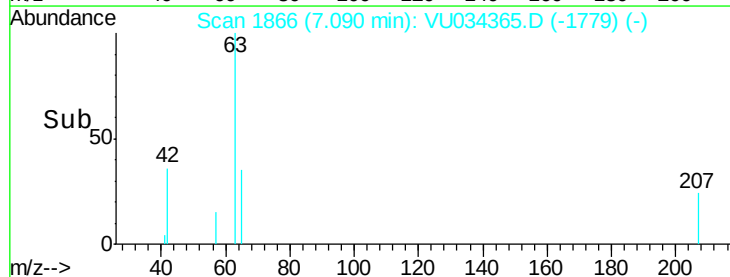
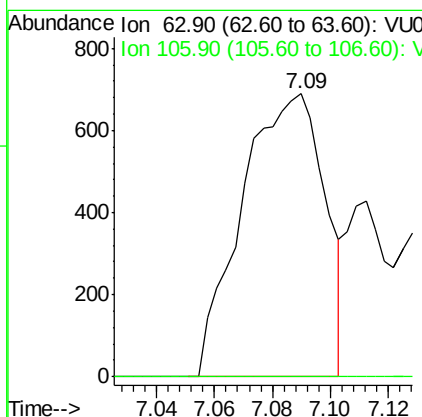
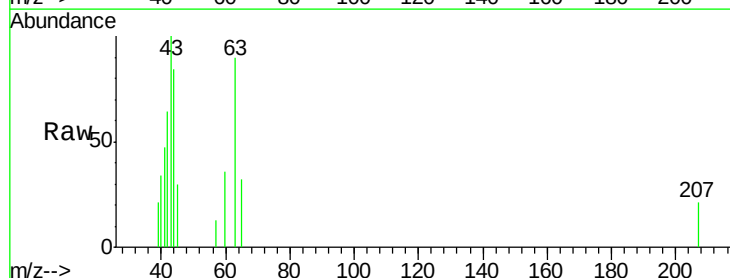
Manual Integrations
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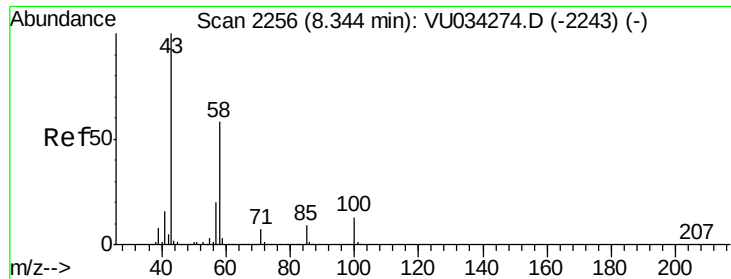
MMDadoda
 9/10/2019 1:31:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.151 ug/l
 RT: 7.09 min Scan# 1866
 Delta R.T. -0.02 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
63	100		
106	0.0	21.6	32.4#





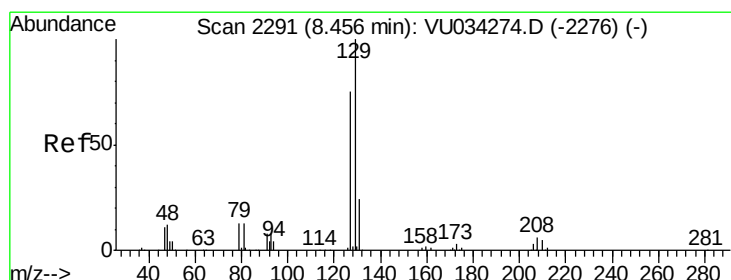
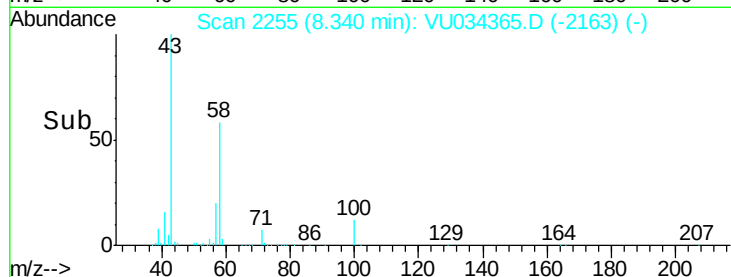
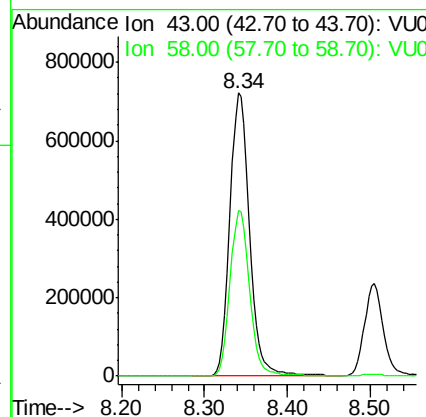
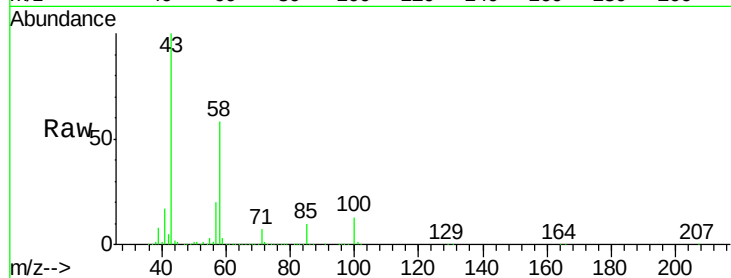
#59
2-Hexanone
Concen: 247.090 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion: 43 Resp: 1187302
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.5

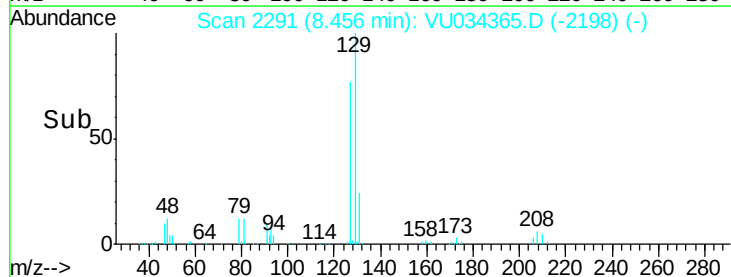
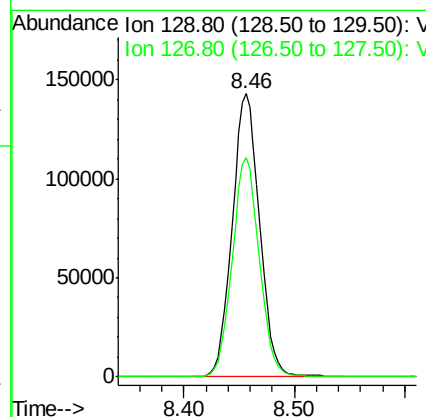
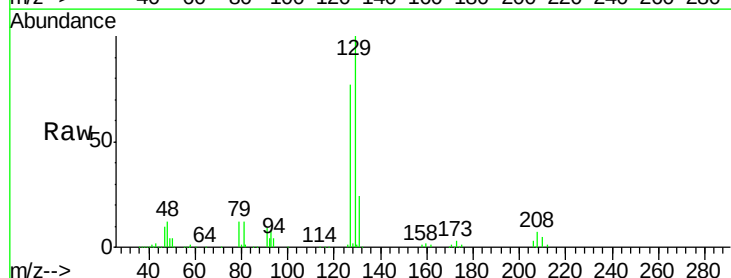
Manual Integrations
APPROVED

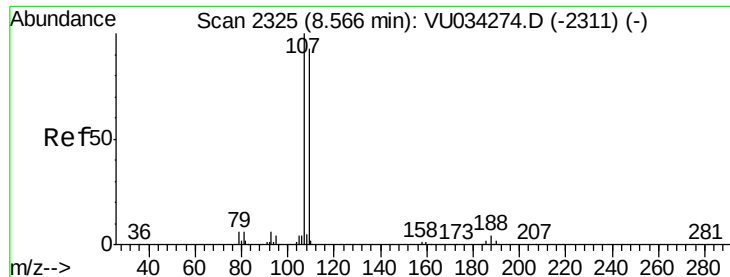
MMDadoda
9/10/2019 1:31:39 PM



#60
Dibromochloromethane
Concen: 49.520 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion: 129 Resp: 245956
Ion Ratio Lower Upper
129 100
127 76.5 37.9 113.7





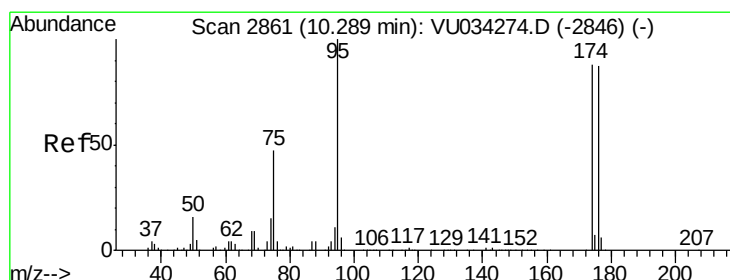
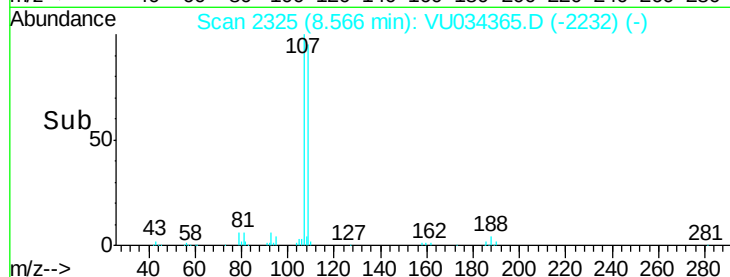
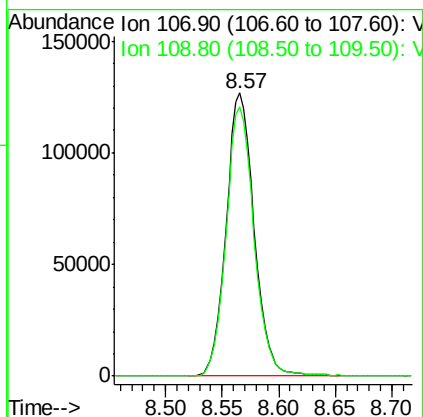
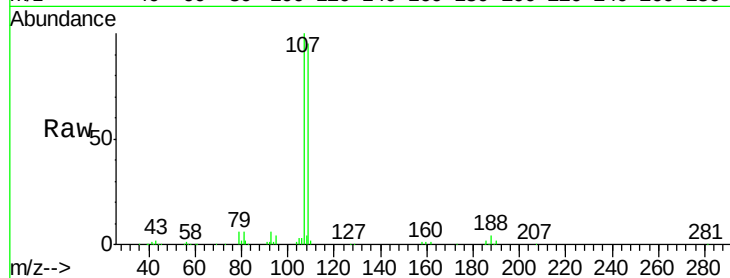
#61
 1,2-Dibromoethane
 Concen: 48.194 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100	218429		
109	95.1	75.0	112.6	

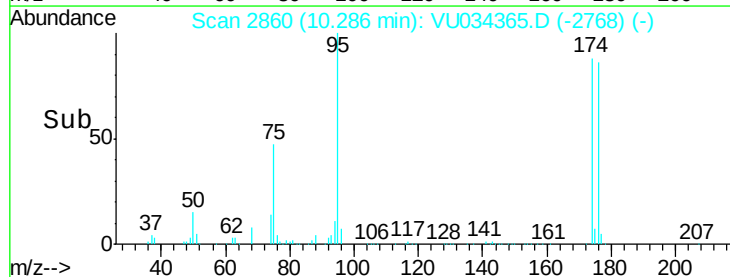
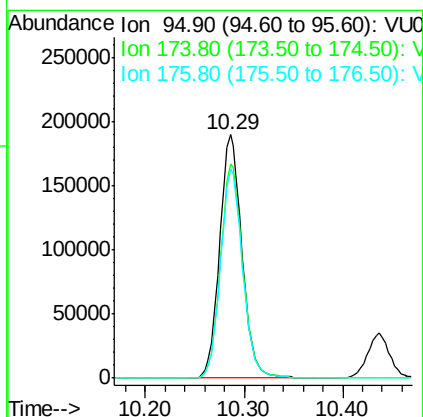
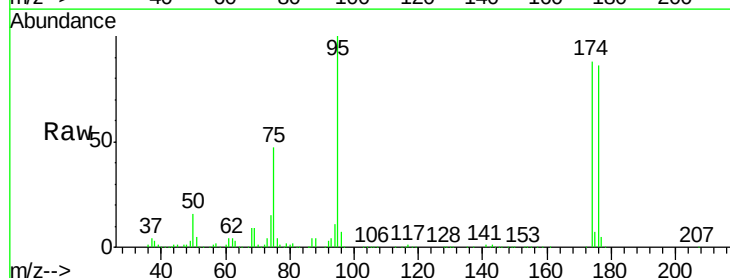
Manual Integrations
 APPROVED

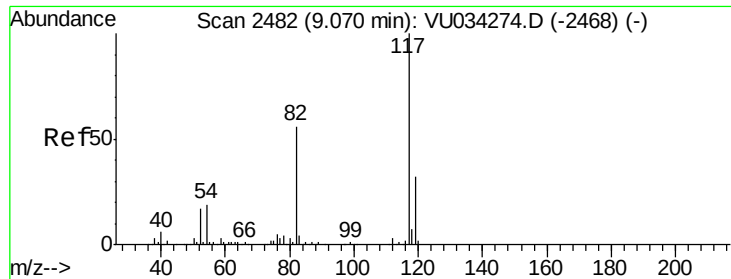
MMDadoda
 9/10/2019 1:31:39 PM



#62
 4-Bromofluorobenzene
 Concen: 48.191 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	302173		
174	88.3	0.0	175.2	
176	85.5	0.0	168.0	





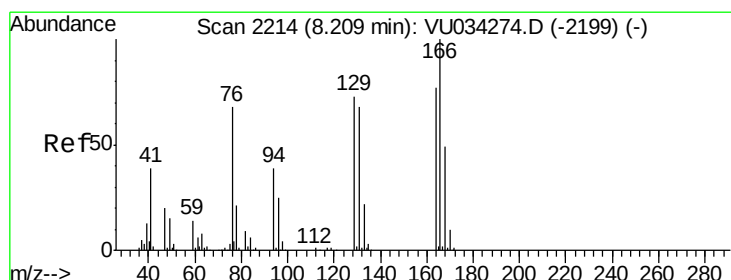
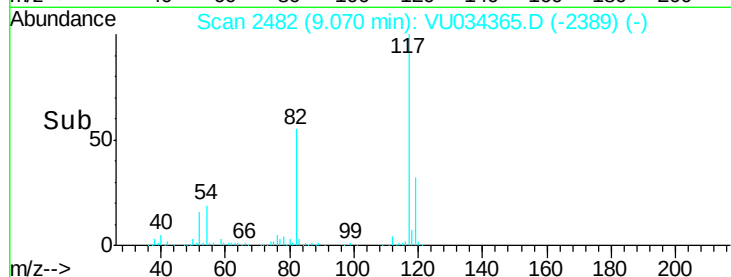
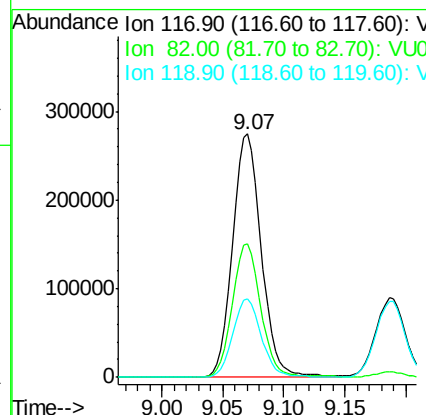
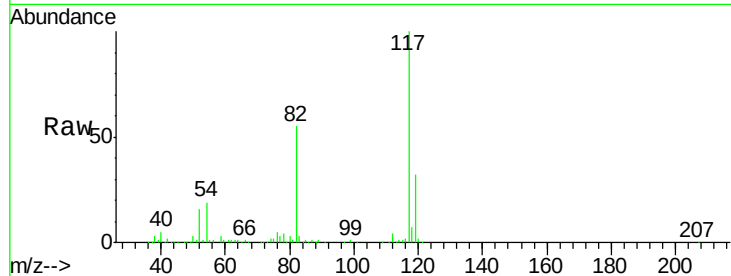
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	454110		
82	54.9		44.6	67.0
119	32.2		25.9	38.9

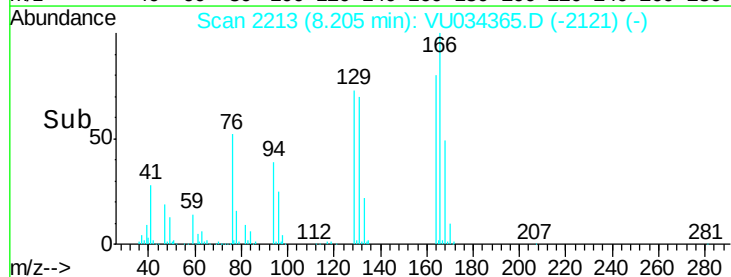
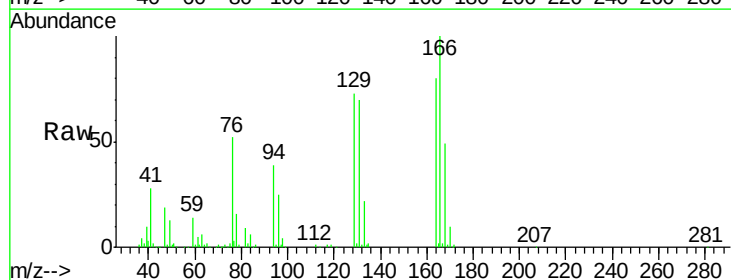
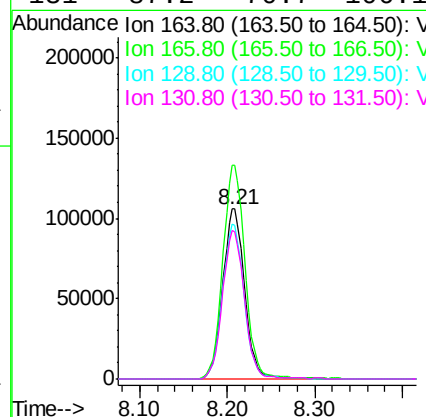
Manual Integrations
APPROVED

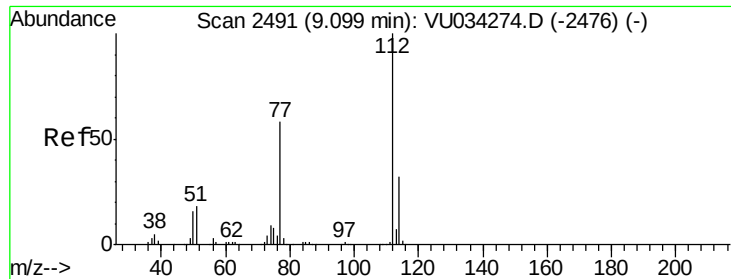
MMDadoda
9/10/2019 1:31:39 PM



#64
Tetrachloroethene
Concen: 46.755 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	184200		
166	125.4		103.7	155.5
129	91.1		75.8	113.8
131	87.2		70.7	106.1





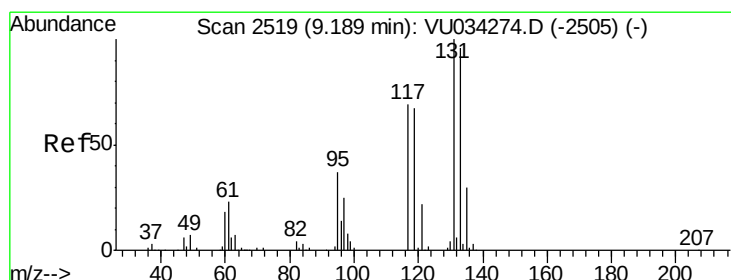
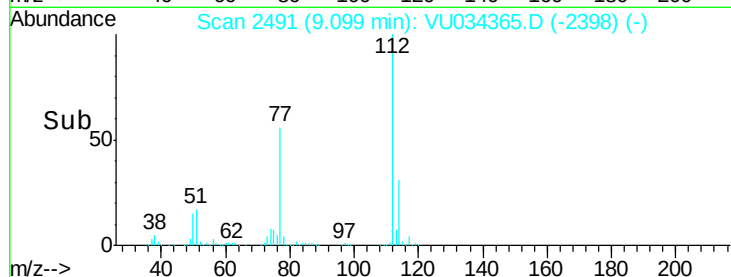
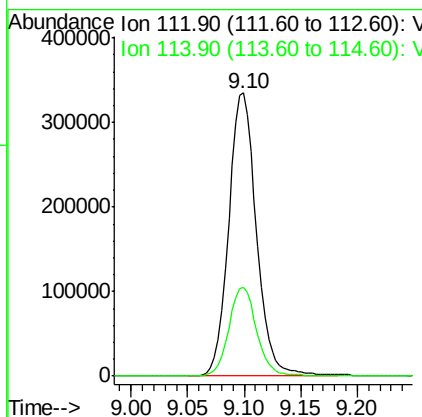
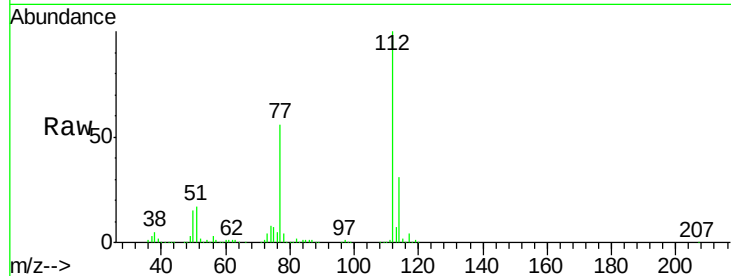
#65
Chlorobenzene
Concen: 49.794 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	573677		
114	31.4	25.9	38.9	

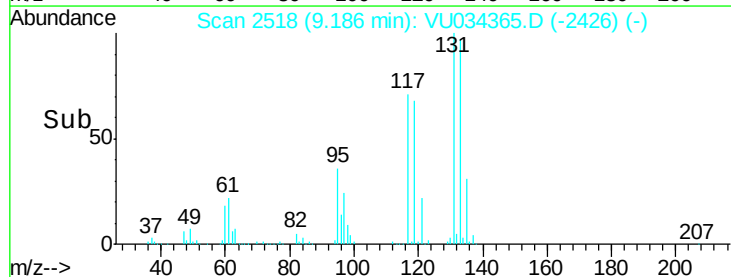
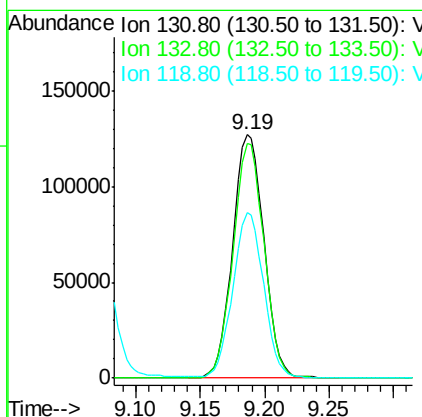
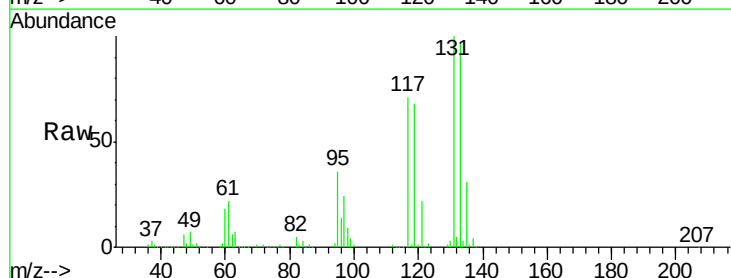
Manual Integrations
APPROVED

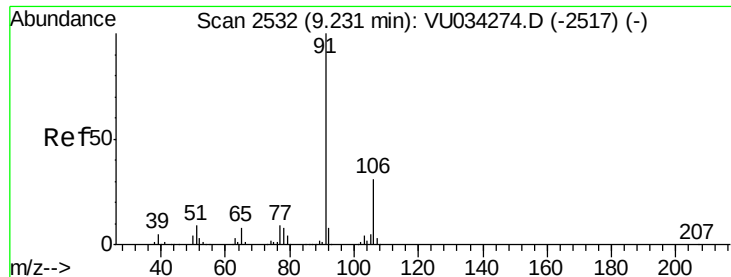
MMDadoda
9/10/2019 1:31:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.876 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	214896		
133	95.8	47.9	143.7	
119	67.3	33.1	99.5	





#67

Ethyl Benzene

Concen: 50.867 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampled :

S13-0263MSD

Tot Ion: 91 Resp: 958209

Ion Ratio Lower Upper

91 100

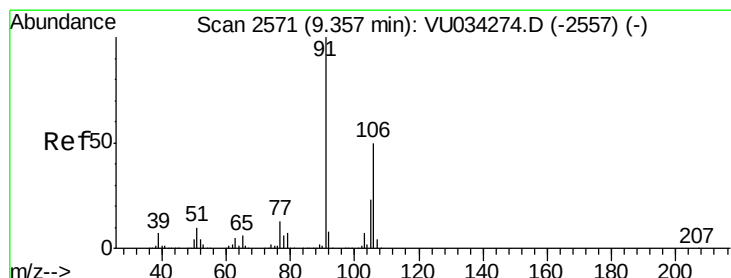
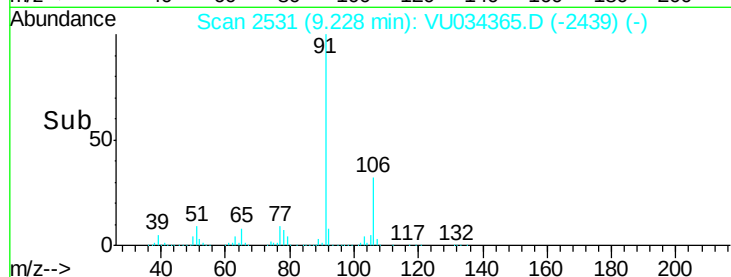
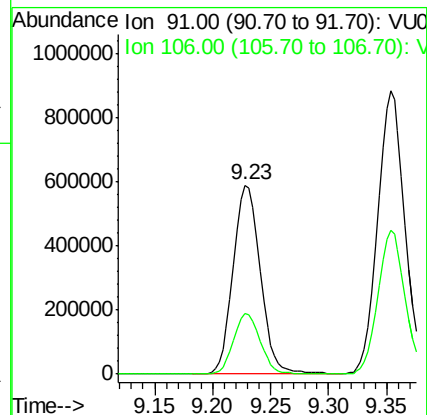
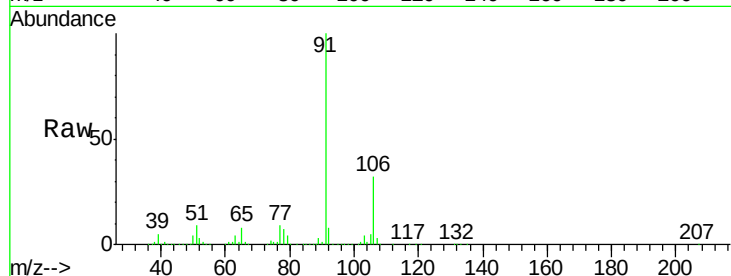
106 32.2 24.8 37.2

Manual Integrations

APPROVED

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9/10/2019 1:31:39 PM



#68

m/p-Xylenes

Concen: 104.213 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034365.D

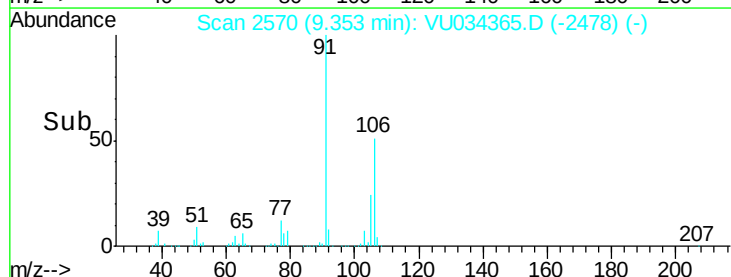
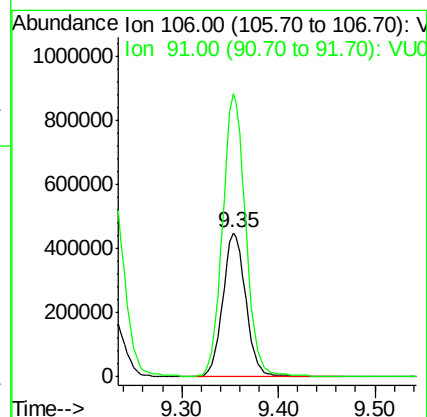
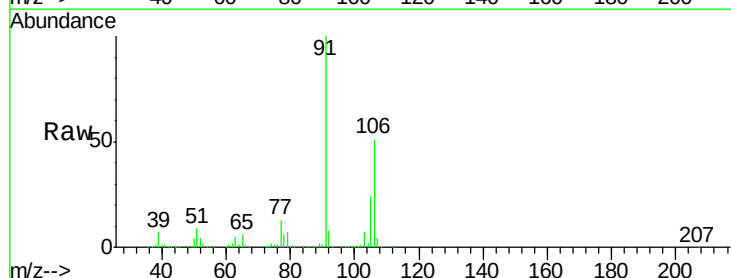
Acq: 07 Sep 2019 05:18

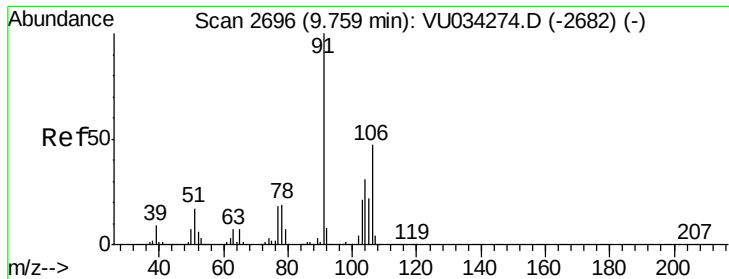
Tgt Ion: 106 Resp: 739231

Ion Ratio Lower Upper

106 100

91 197.4 160.1 240.1





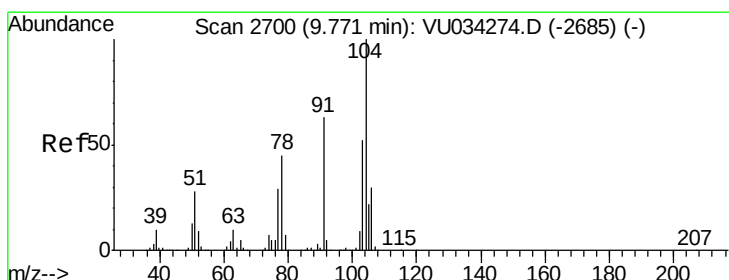
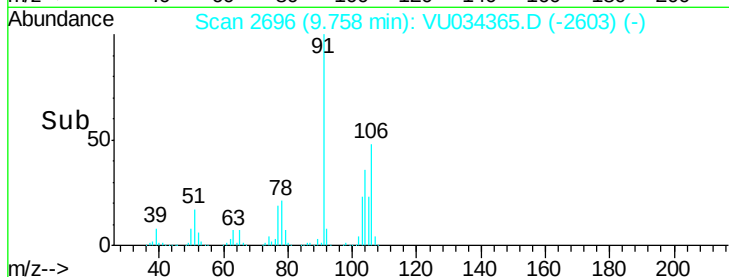
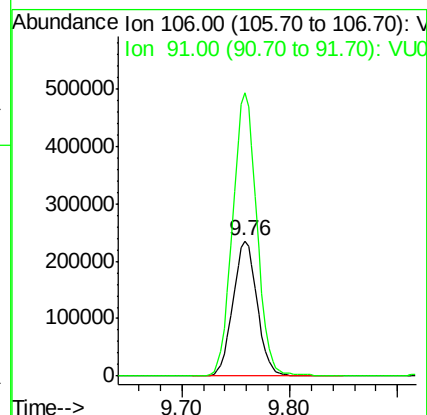
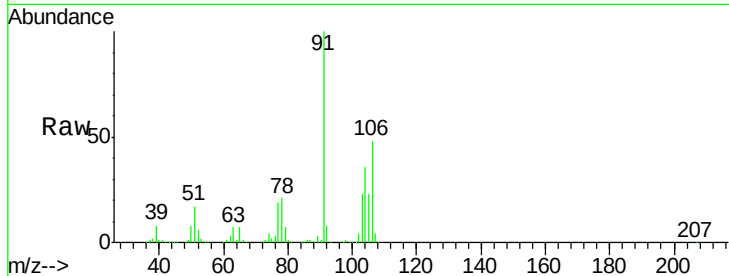
#69
o-Xylene
Concen: 53.063 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampled :
S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
106	100	368106		
91	209.8	105.1	315.3	

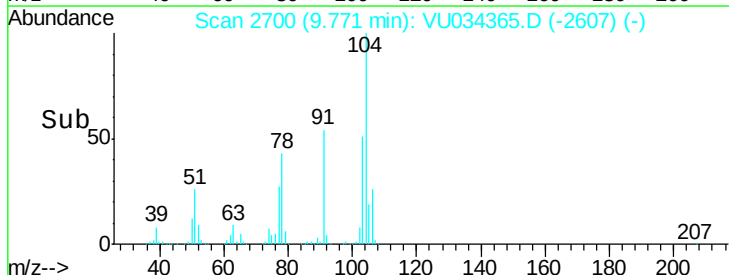
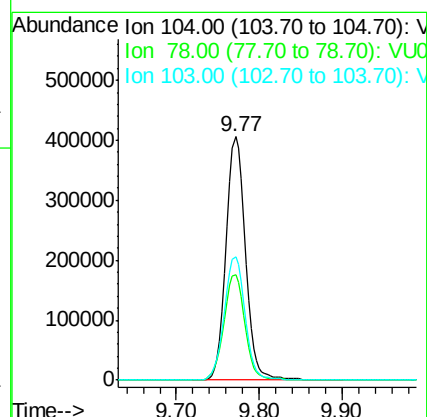
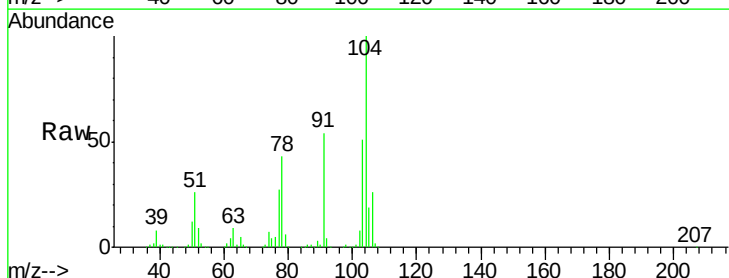
Manual Integrations
APPROVED

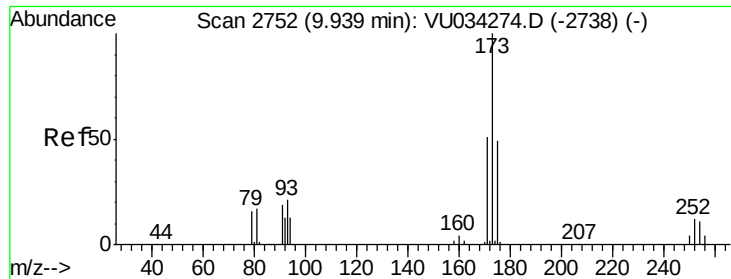
MMDadoda
9/10/2019 1:31:39 PM



#70
Styrene
Concen: 53.978 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	656517		
78	46.9	38.6	57.8	
103	54.4	44.2	66.4	





#71

Bromoform

Concen: 50.026 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion:173 Resp: 190625

Ion Ratio Lower Upper

173 100

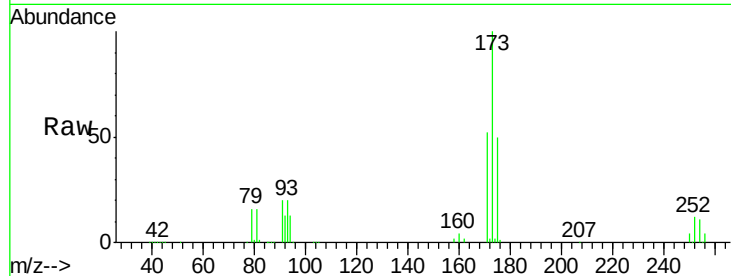
175 49.1 24.4 73.2

254 0.1 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

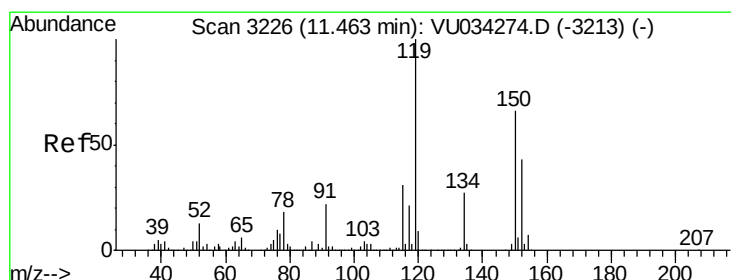
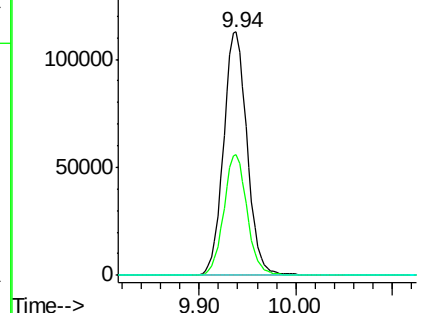
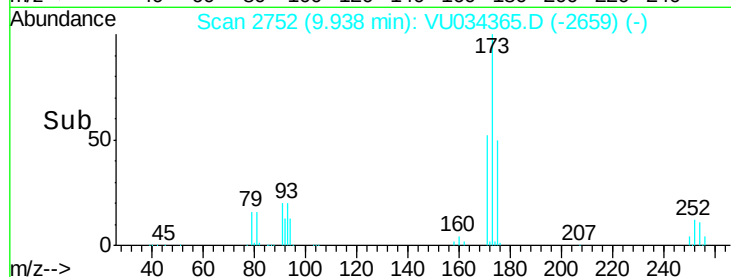
9/10/2019 1:31:39 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

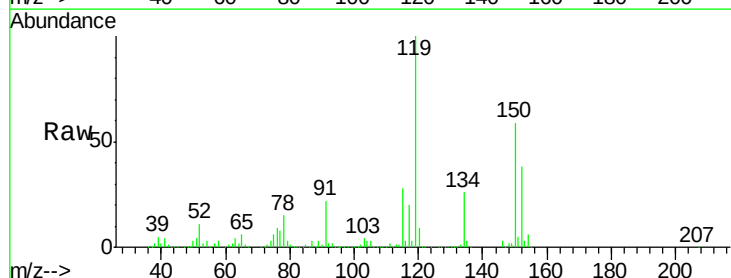
Tgt Ion:152 Resp: 290414

Ion Ratio Lower Upper

152 100

115 77.3 39.1 117.3

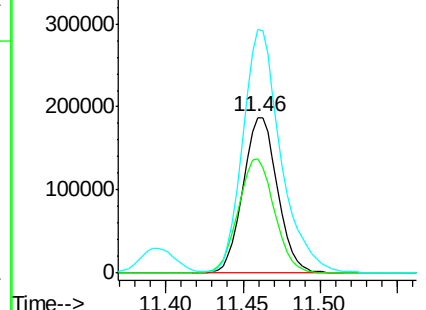
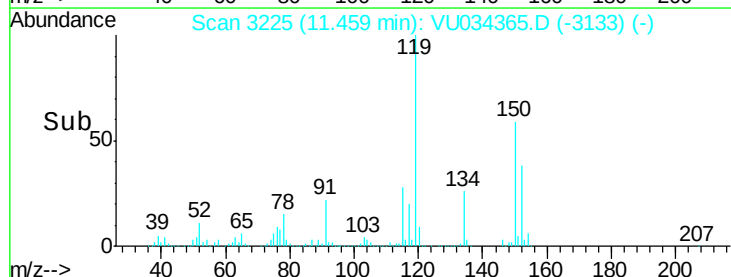
150 171.4 0.0 345.4

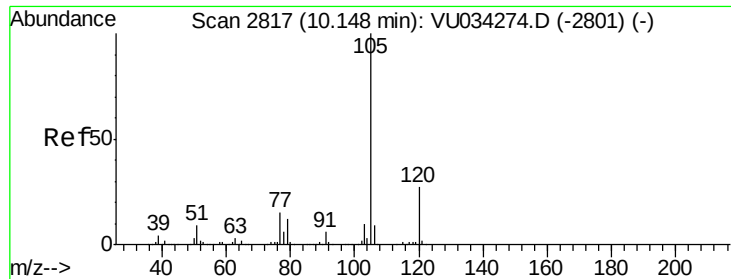


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 52.712 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion:105 Resp: 996232

Ion Ratio Lower Upper

105 100

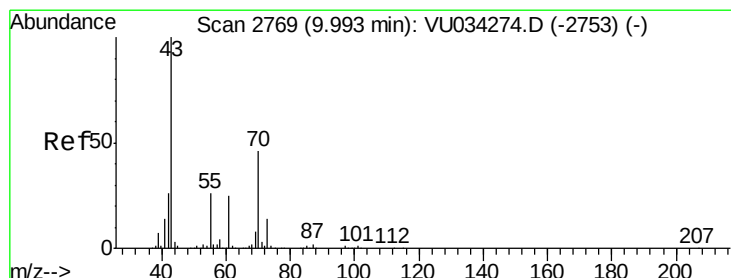
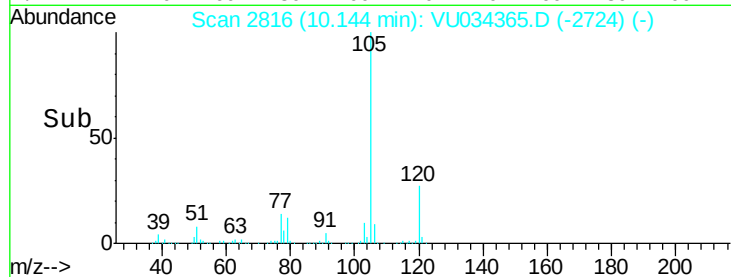
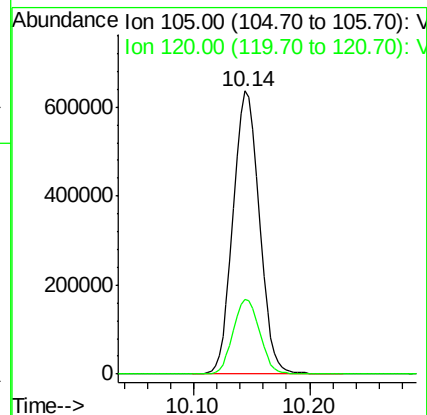
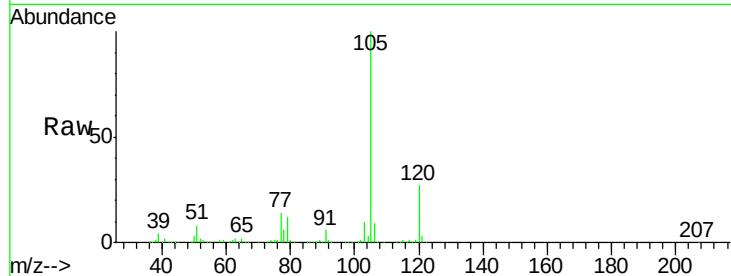
120 26.7 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 49.018 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion: 43 Resp: 372908

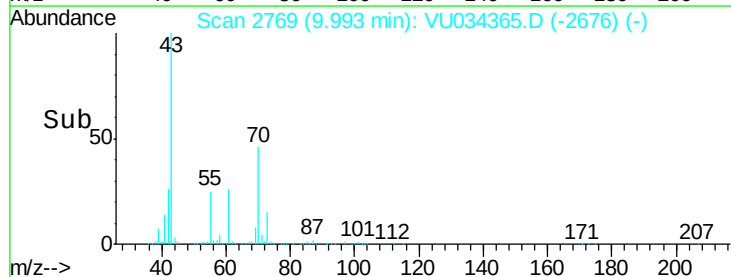
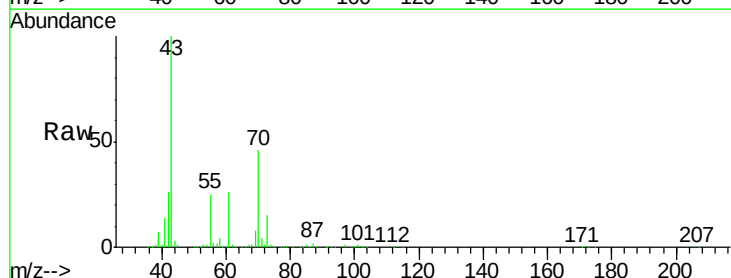
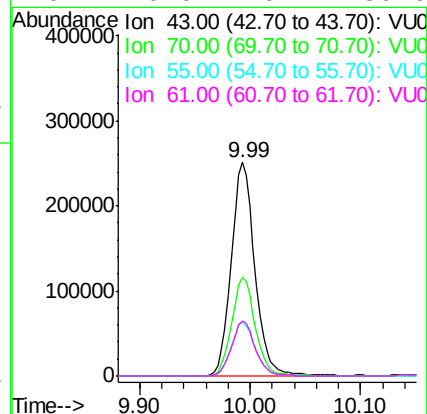
Ion Ratio Lower Upper

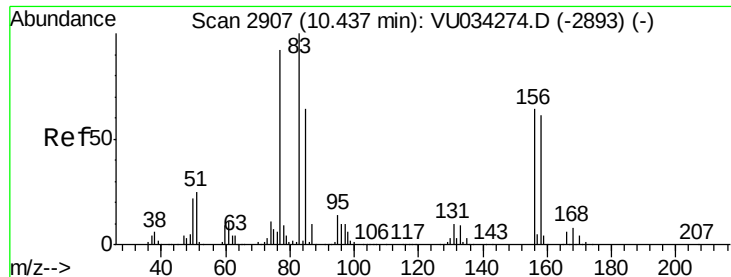
43 100

70 46.3 36.4 54.6

55 26.0 21.2 31.8

61 26.0 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.014 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

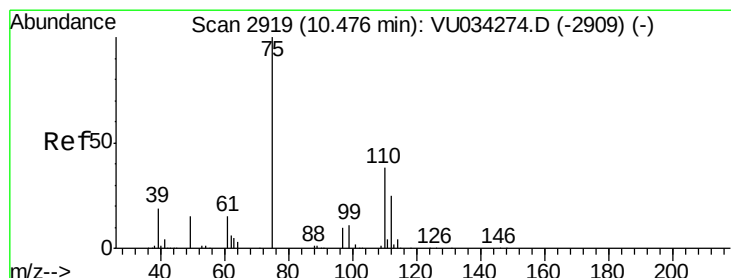
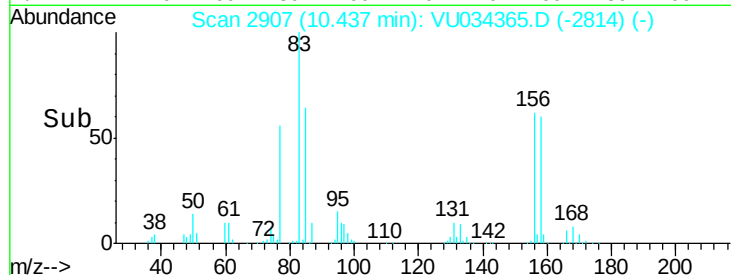
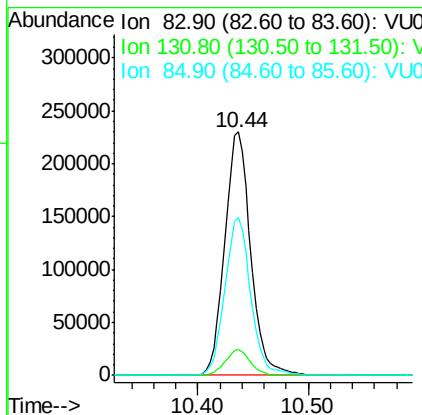
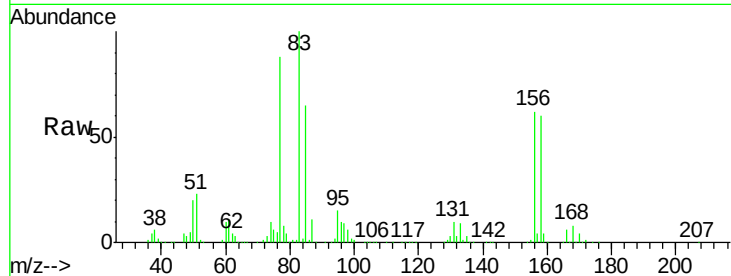
ClientSampleId :

S13-0263MSD

Tot Ion:	83	Resp:	374961
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.1	15.2
85	64.9	32.0	96.2

Manual Integrations
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9/10/2019 1:31:39 PM



#76

1,2,3-Trichloropropane

Concen: 52.099 ug/l m

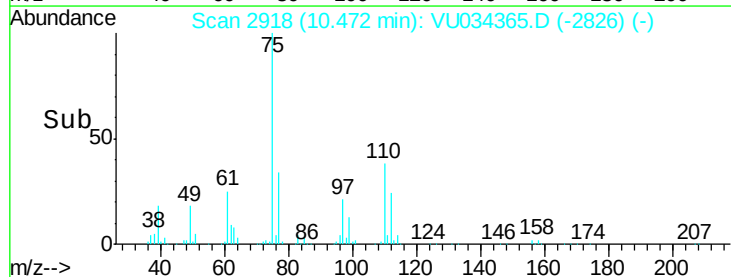
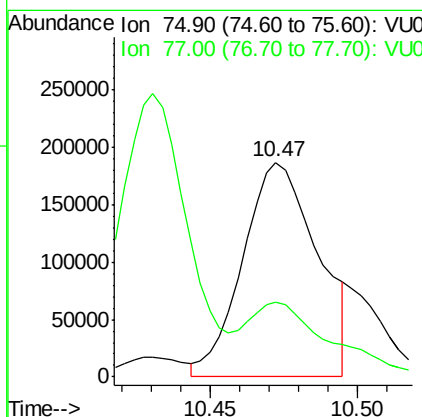
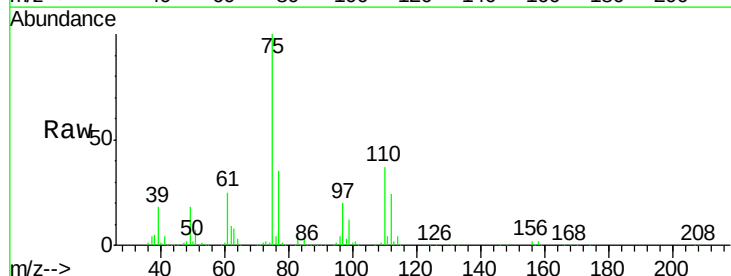
RT: 10.47 min Scan# 2918

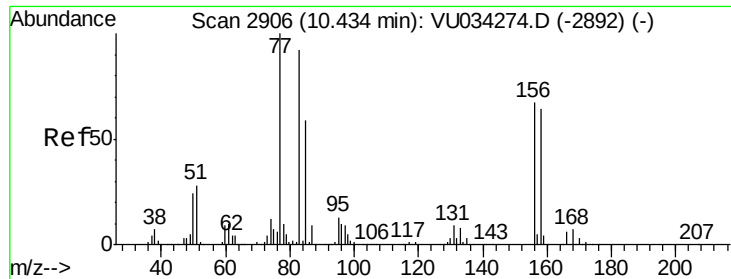
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	75	Resp:	330270
Ion	Ratio	Lower	Upper
75	100		
77	37.4	20.8	62.2





#77

Bromobenzene

Concen: 52.114 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

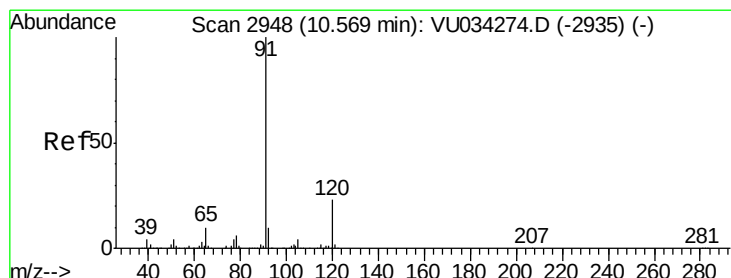
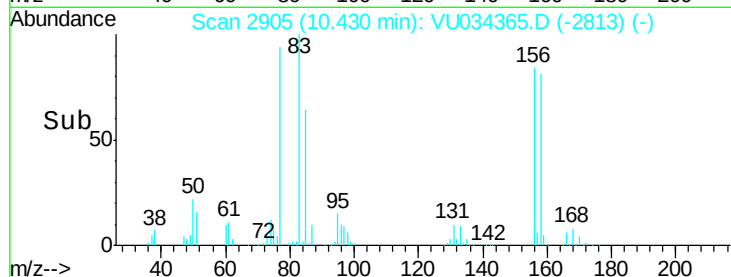
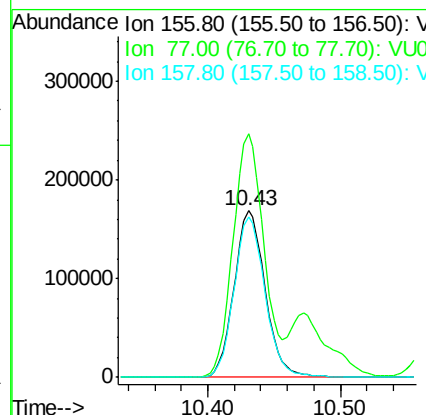
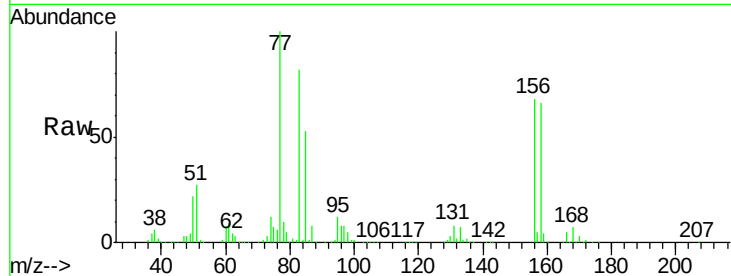
ClientSampleId :

S13-0263MSD

Tot Ion:	156	Resp:	275395
Ion Ratio	Lower	Upper	
156	100		
77	145.3	75.6	226.9
158	96.4	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 51.313 ug/l

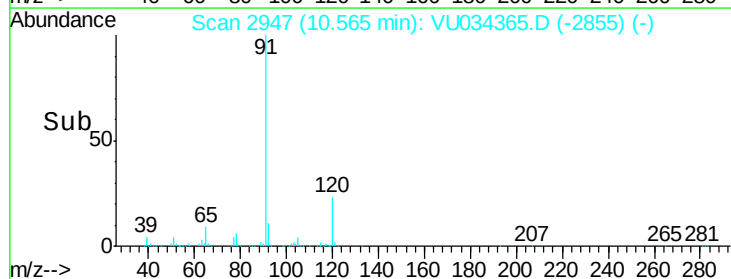
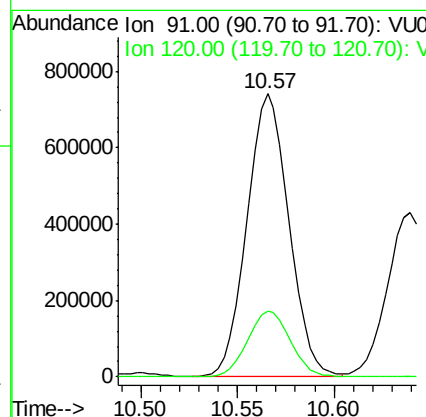
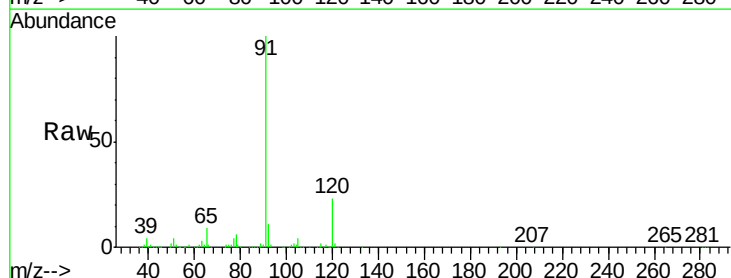
RT: 10.57 min Scan# 2947

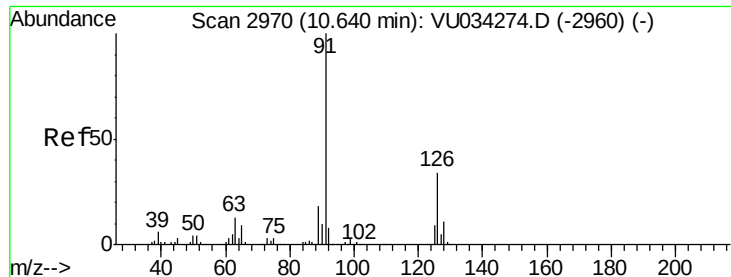
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	91	Resp:	1120014
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.0





#79

2-Chlorotoluene

Concen: 50.866 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion: 91 Resp: 677426

Ion Ratio Lower Upper

91 100

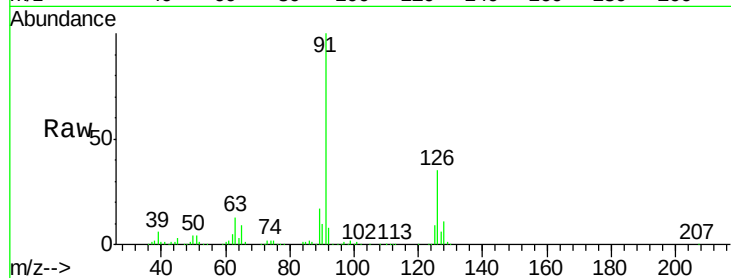
126 35.2 17.3 51.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034274.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034274.D (-2960) (-)

800000

600000

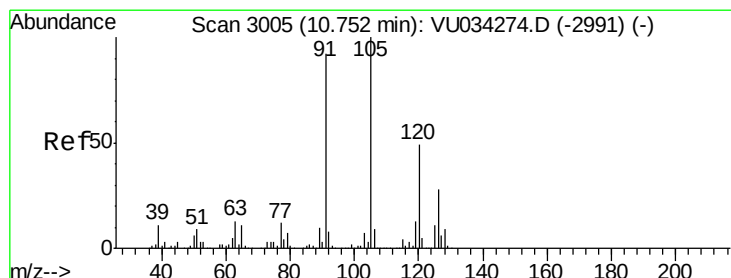
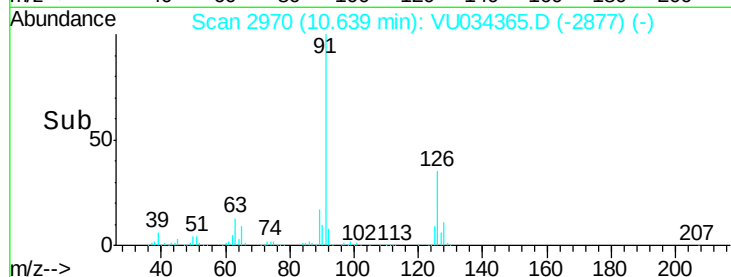
400000

200000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.330 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034365.D

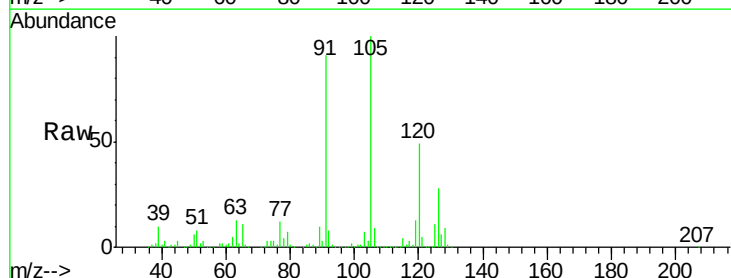
Acq: 07 Sep 2019 05:18

Tgt Ion: 105 Resp: 842951

Ion Ratio Lower Upper

105 100

120 49.6 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034274.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034274.D (-2991) (-)

600000

500000

400000

300000

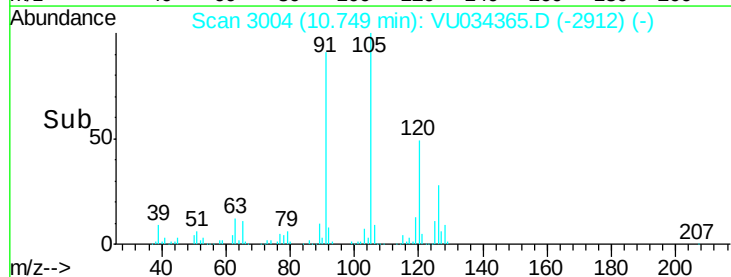
200000

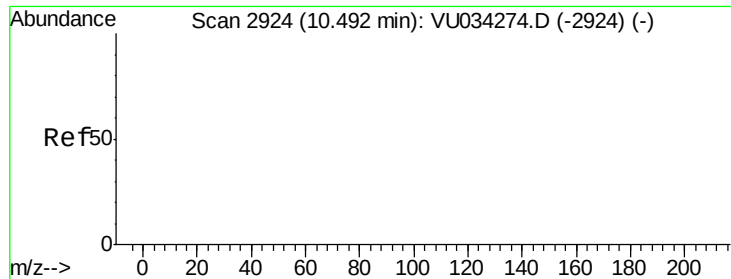
100000

0

10.70 10.80 10.90

Time-->





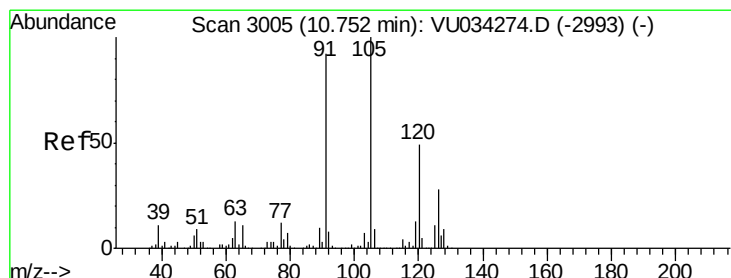
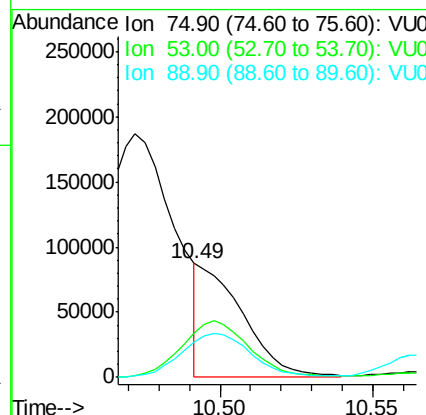
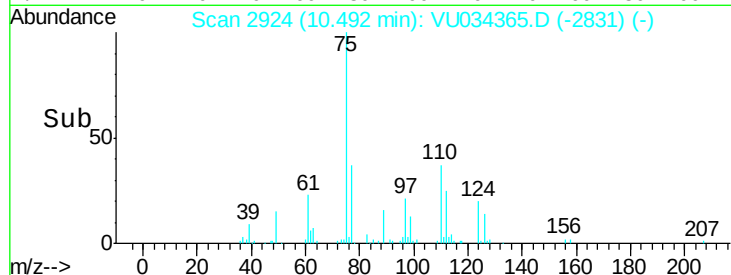
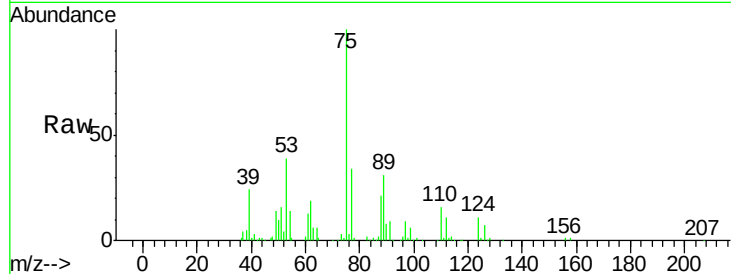
#81
trans-1,4-Dichloro-2-butene
Concen: 45.538 ug/l m
RT: 10.49 min Scan# 2924
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Instrument :
MSVOA_U
ClientSampled :
S13-0263MSD

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

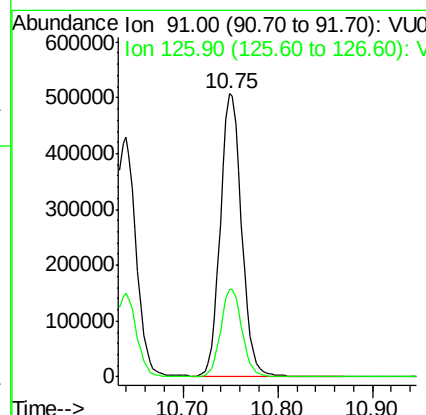
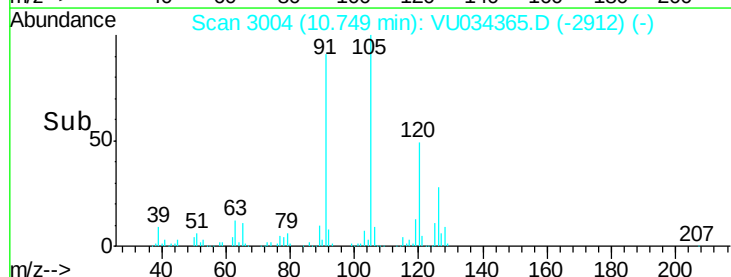
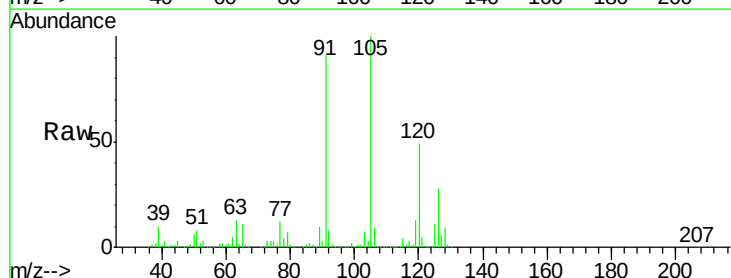
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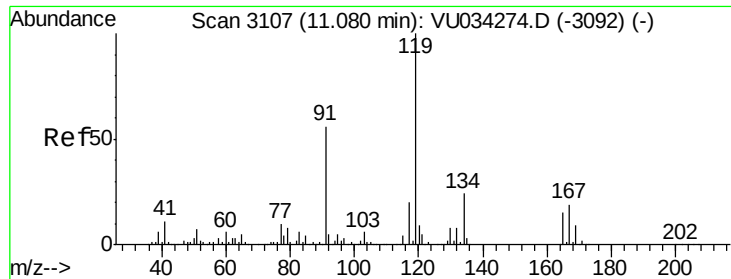
MMDadoda
9/10/2019 1:31:39 PM



#82
4-Chlorotoluene
Concen: 51.515 ug/l
RT: 10.75 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VU034365.D
Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





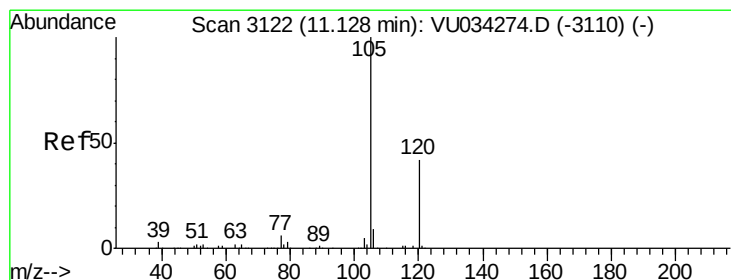
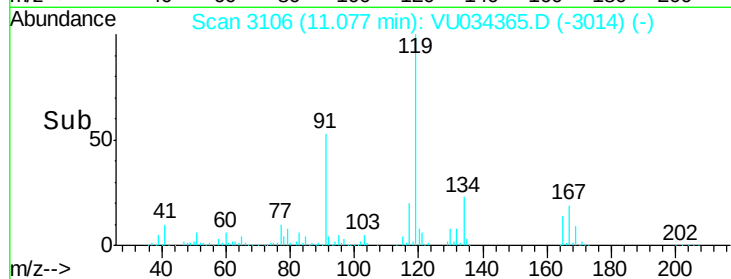
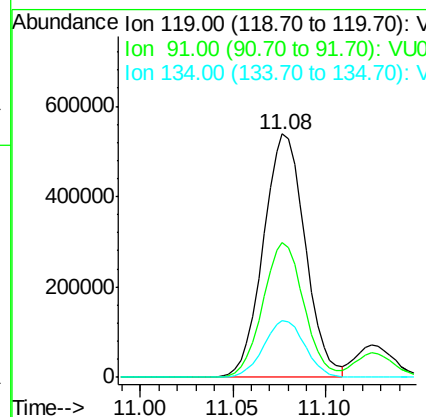
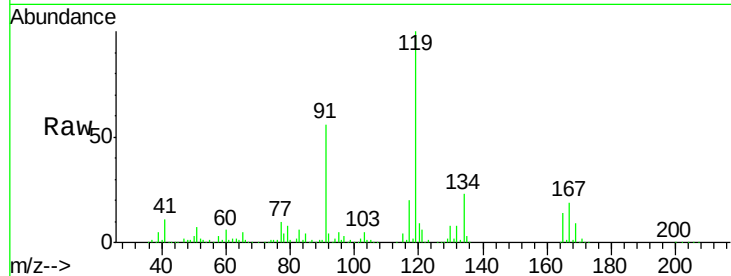
#83
 tert-Butylbenzene
 Concen: 53.587 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.0	27.8	83.4
134	23.1	11.7	35.0

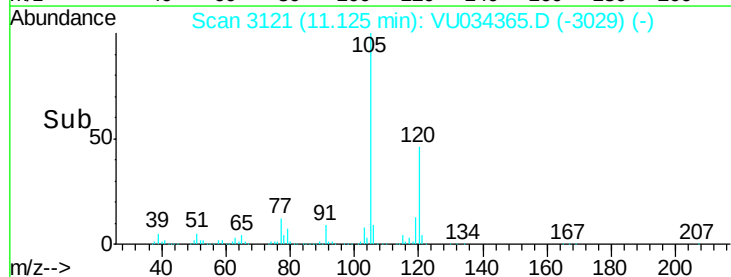
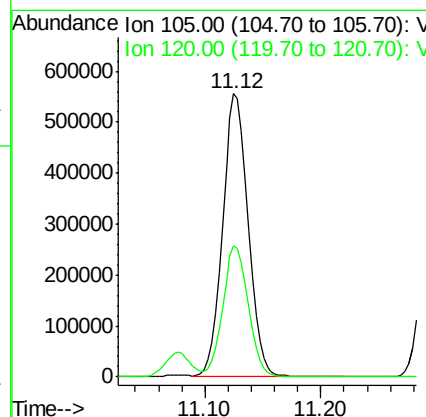
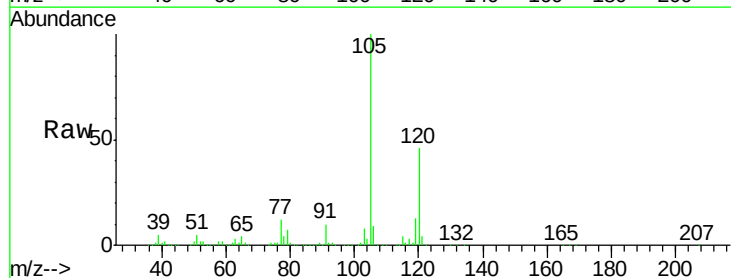
Manual Integrations
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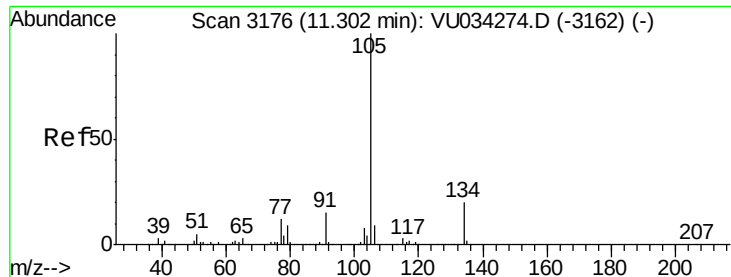
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.453 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





#85

sec-Butylbenzene

Concen: 52.364 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion:105 Resp: 977506

Ion Ratio Lower Upper

105 100

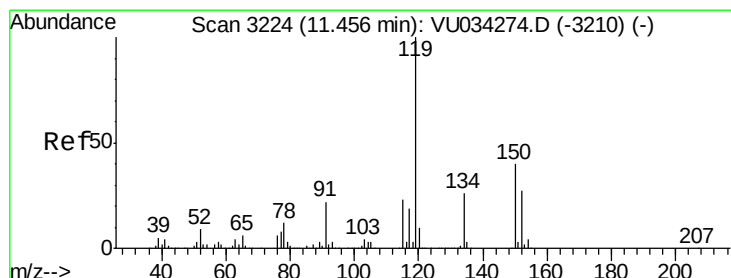
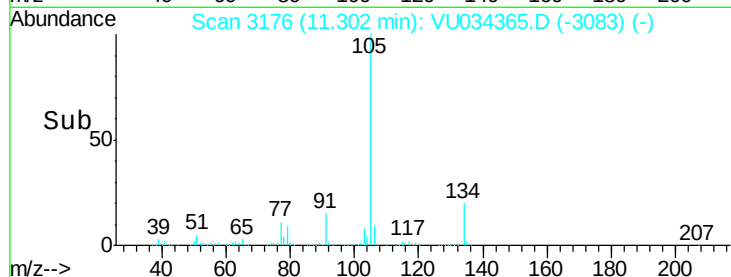
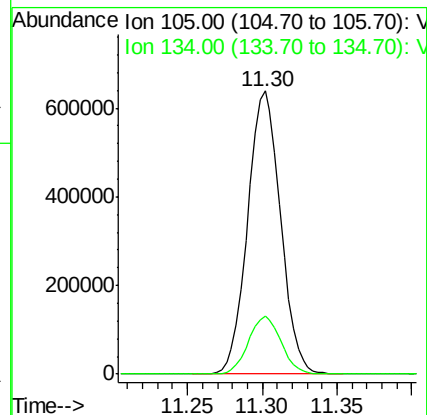
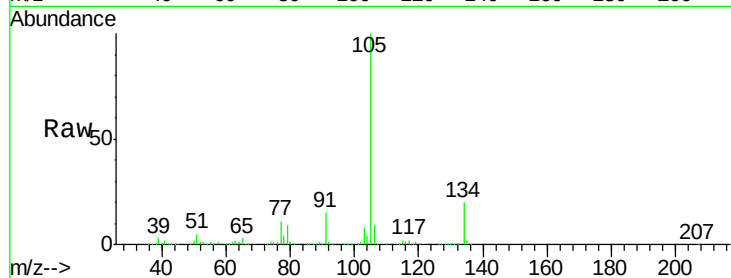
134 20.4 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 52.741 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

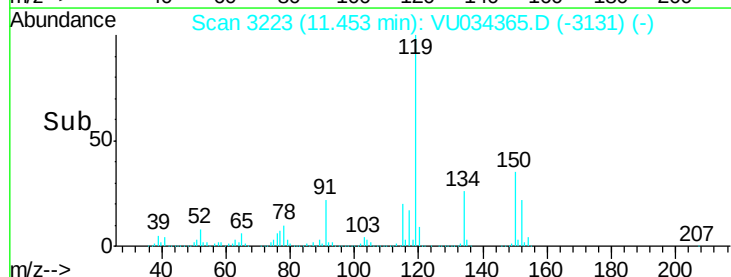
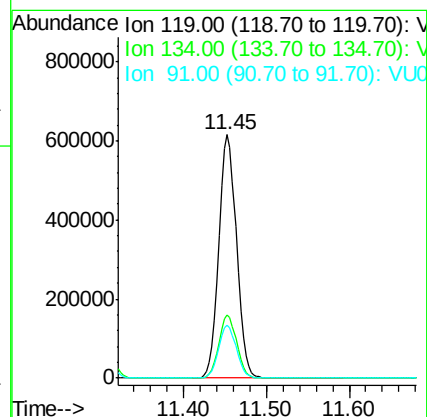
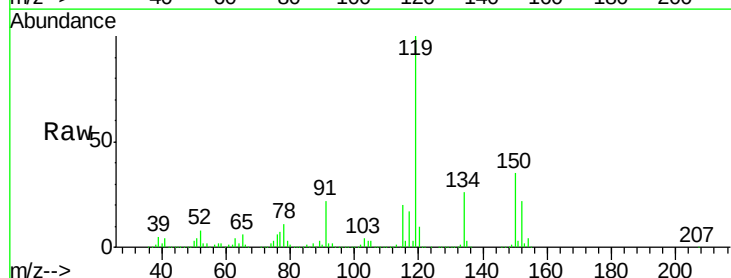
Tgt Ion:119 Resp: 908721

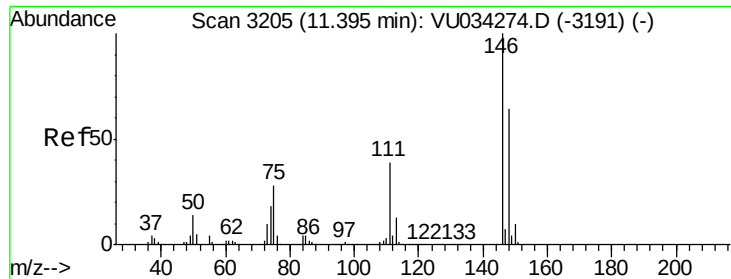
Ion Ratio Lower Upper

119 100

134 26.0 13.3 39.8

91 21.7 11.2 33.6





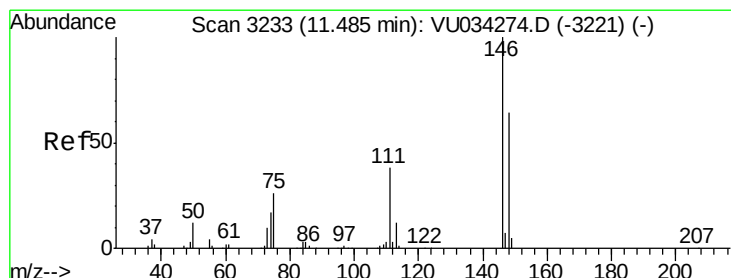
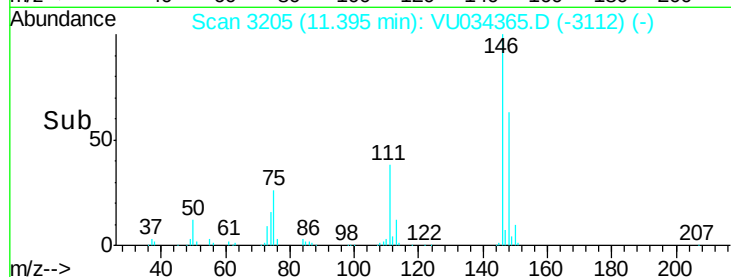
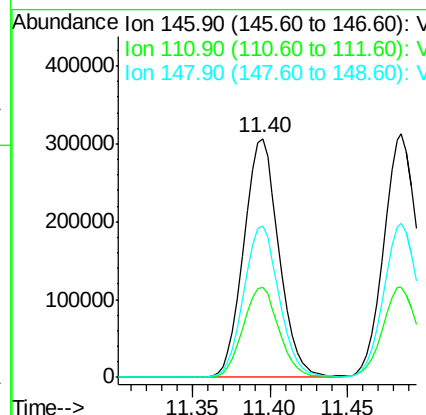
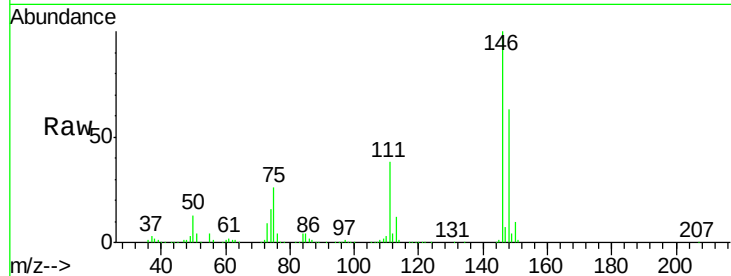
#87
 1,3-Dichlorobenzene
 Concen: 50.382 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	485839		
111	38.3	19.5	58.5	
148	63.7	32.1	96.3	

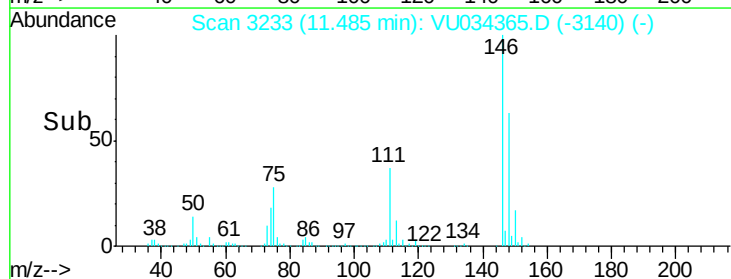
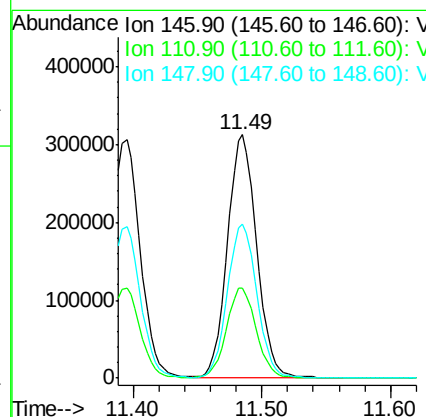
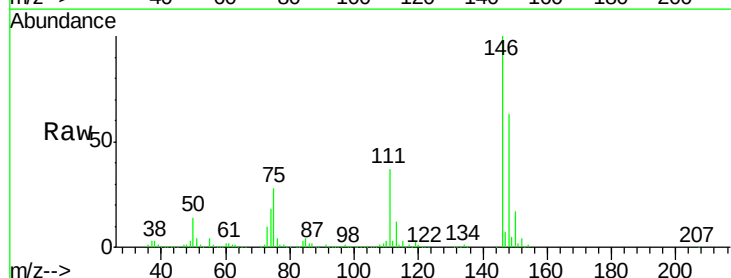
Manual Integrations
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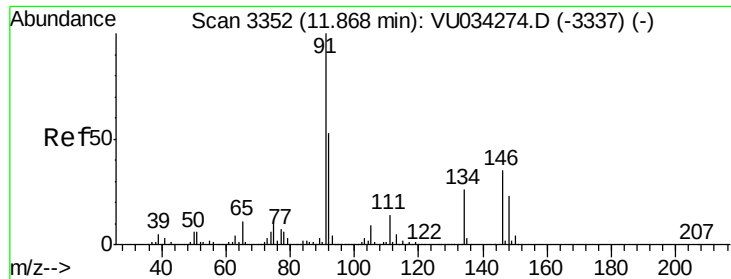
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#88
 1,4-Dichlorobenzene
 Concen: 48.609 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	488910		
111	37.8	19.1	57.3	
148	64.3	32.0	96.0	





#89

n-Butylbenzene

Concen: 50.872 ug/l

RT: 11.87 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

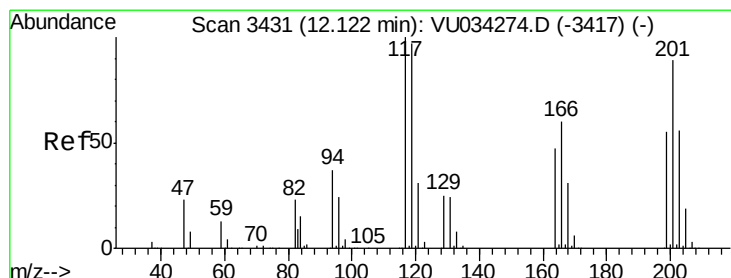
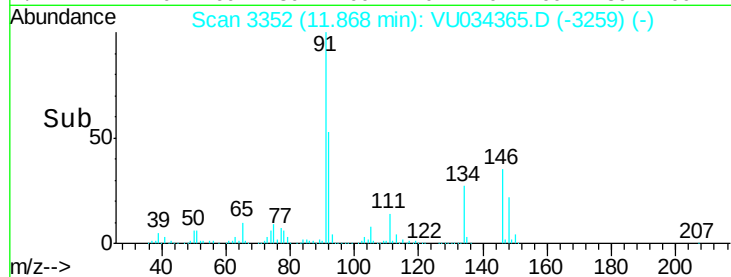
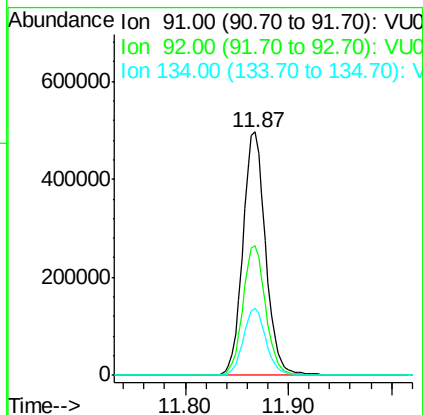
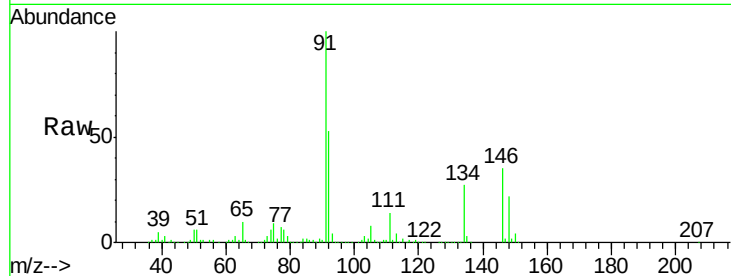
ClientSampleId :

S13-0263MSD

Tot Ion:	91	Resp:	761718
Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	27.4	13.2	39.6

Manual Integrations
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#90

Hexachloroethane

Concen: 48.165 ug/l

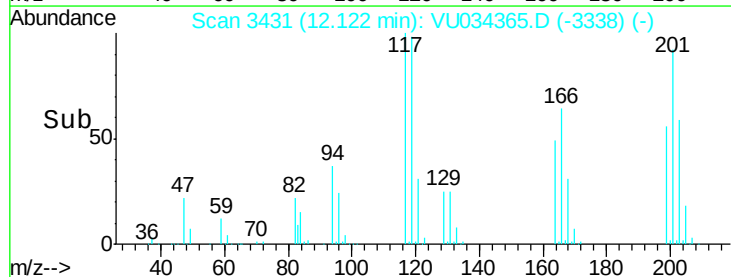
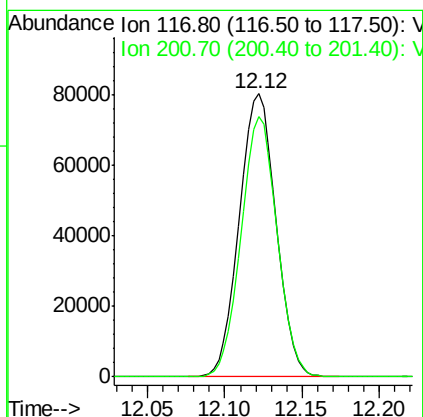
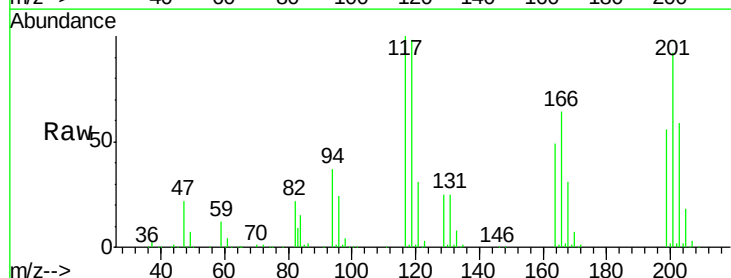
RT: 12.12 min Scan# 3431

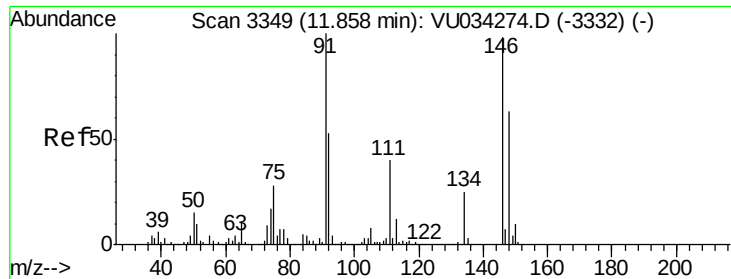
Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Tgt Ion:	117	Resp:	132770
Ion	Ratio	Lower	Upper
117	100		
201	90.2	44.1	132.4





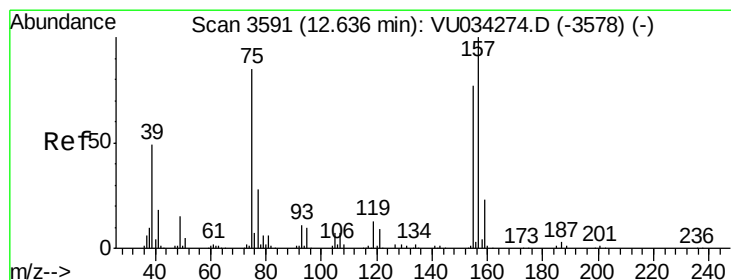
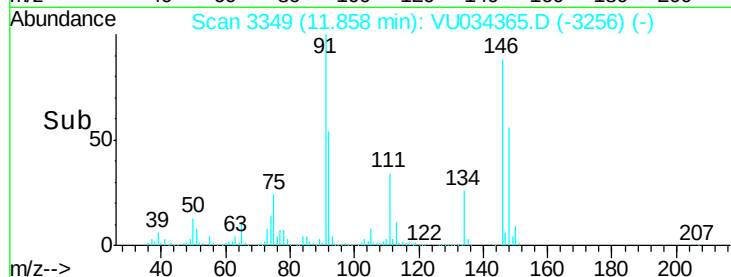
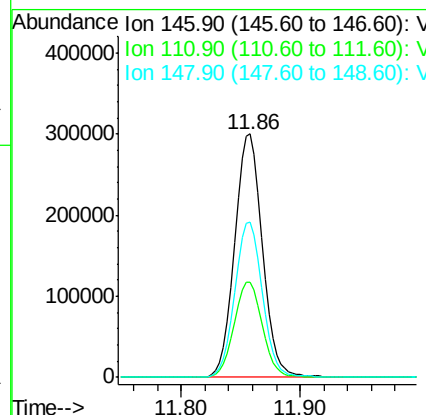
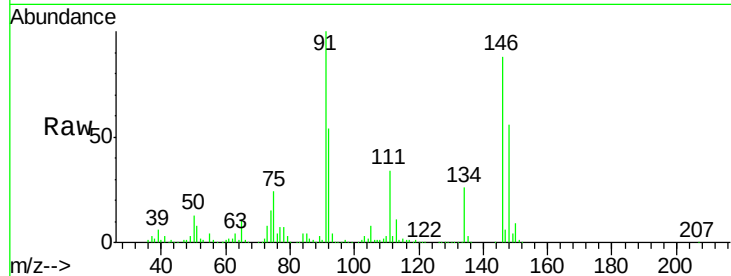
#91
 1,2-Dichlorobenzene
 Concen: 51.121 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	64.1	31.6	94.8

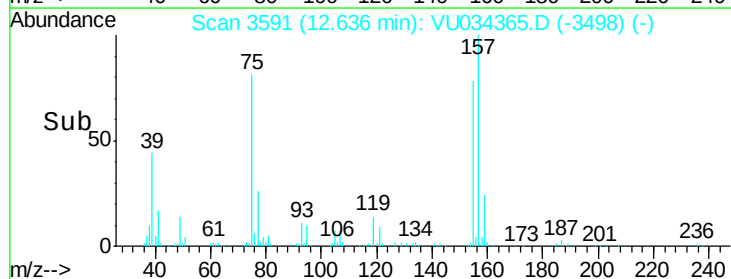
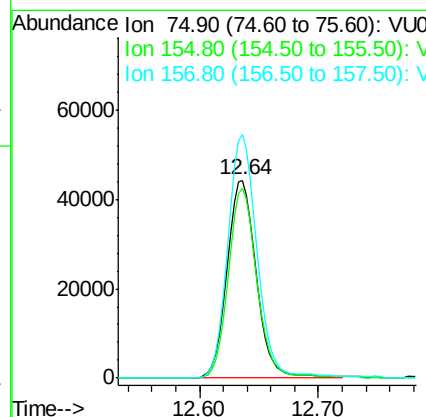
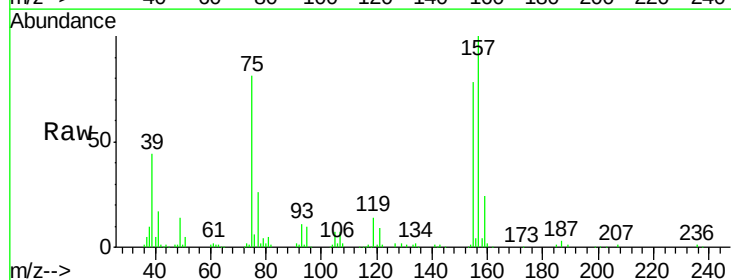
Manual Integrations
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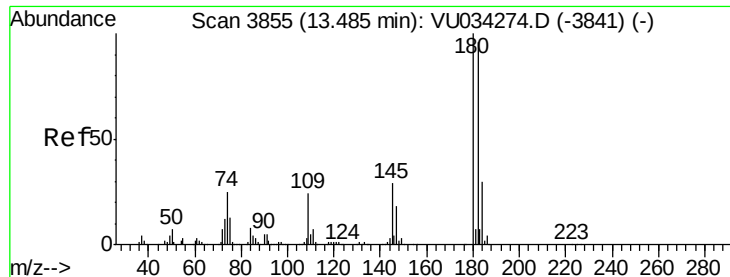
MMDadoda
 9/10/2019 1:31:39 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.743 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.1	44.6	134.0
157	123.3	58.2	174.6





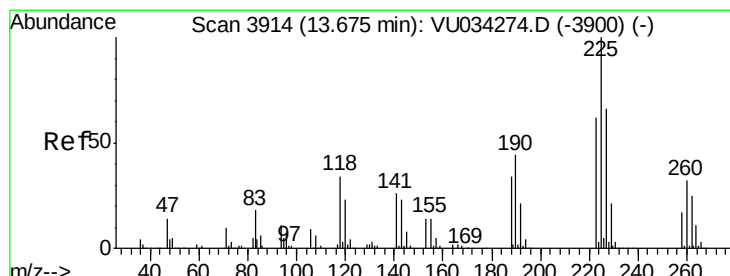
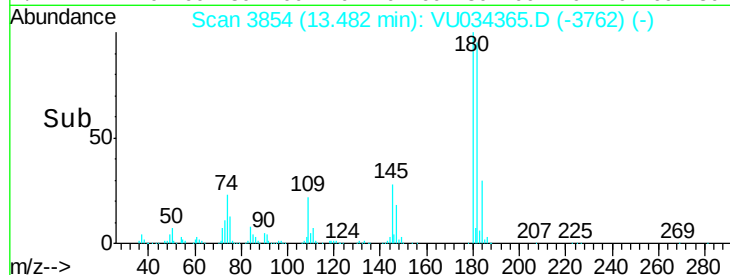
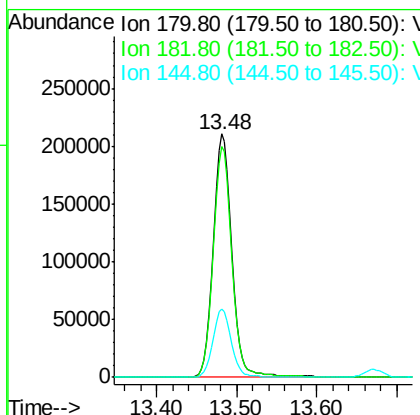
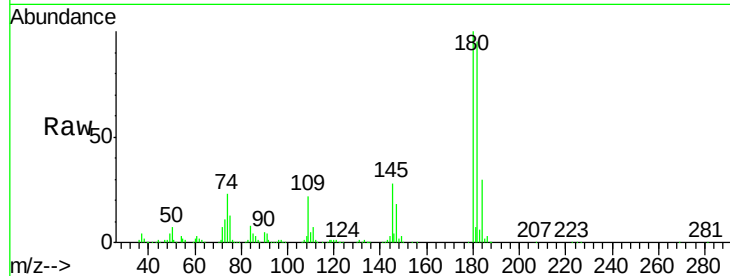
#93
 1,2,4-Trichlorobenzene
 Concen: 49.729 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	341668		
182	95.4	47.9	143.8	
145	27.9	14.4	43.0	

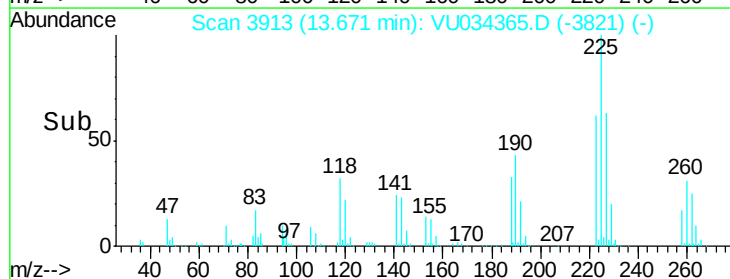
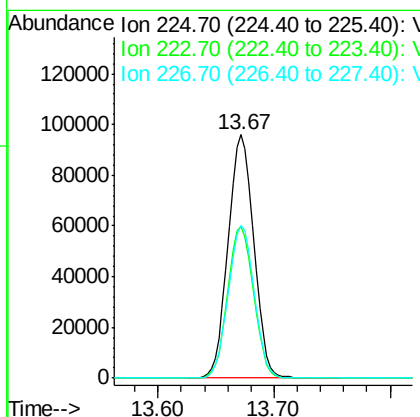
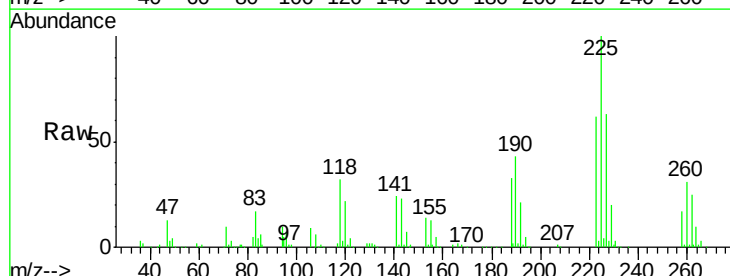
Manual Integrations
 APPROVED

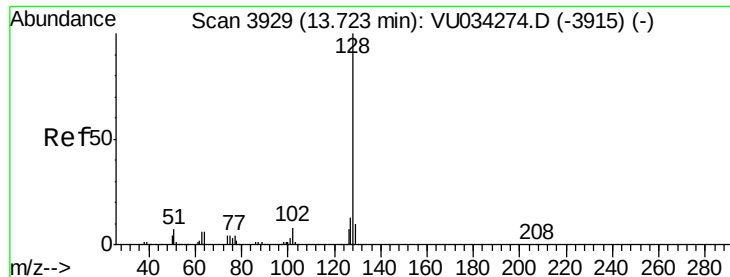
MMDadoda
 9/10/2019 1:31:39 PM



#94
 Hexachlorobutadiene
 Concen: 44.017 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034365.D
 Acq: 07 Sep 2019 05:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	145920		
223	62.8	31.6	94.7	
227	63.4	32.3	96.8	





#95

Naphthalene

Concen: 52.865 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MSD

Tot Ion:128 Resp: 1028012

Ion Ratio Lower Upper

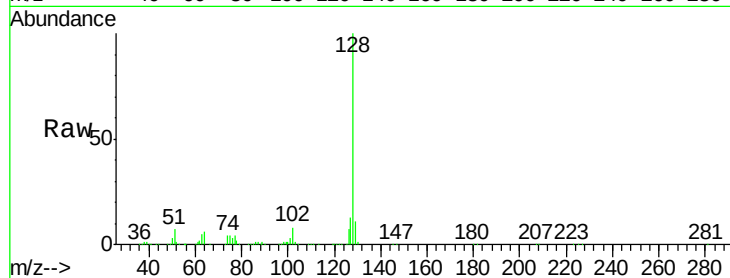
128 100

127 12.8 10.6 15.8

129 10.7 8.4 12.6

Manual Integrations
APPROVED

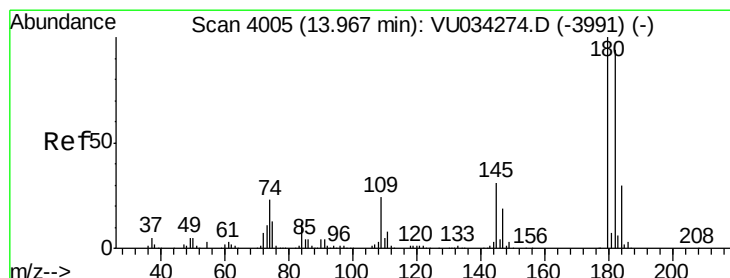
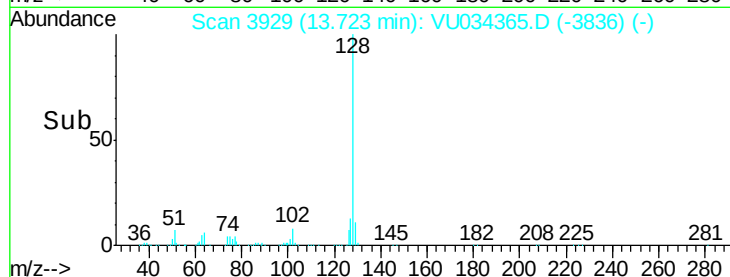
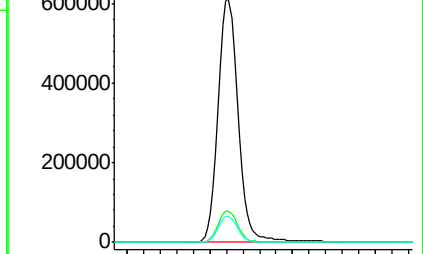
MMDadoda
9/10/2019 1:31:39 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.614 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034365.D

Acq: 07 Sep 2019 05:18

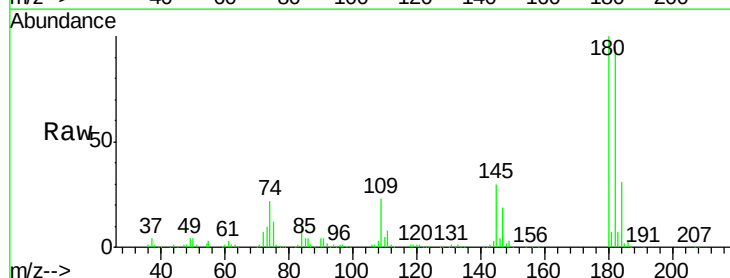
Tgt Ion:180 Resp: 336244

Ion Ratio Lower Upper

180 100

182 96.0 48.4 145.0

145 30.5 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

