

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034364.D
 Acq On : 07 Sep 2019 04:55
 Operator : JC/SP
 Sample : K4725-08MS
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 1:31:35 PM

Quant Time: Sep 07 06:29:04 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	300191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	454619	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	443703	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	292628	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	228395	50.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.58%	
35) Dibromofluoromethane	4.86	113	204945	48.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.90%	
50) Toluene-d8	7.54	98	811375	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	10.29	95	307892	50.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	130486	41.562	ug/l	96
3) Chloromethane	1.32	50	153276	45.181	ug/l	98
4) Vinyl Chloride	1.40	62	167899	42.916	ug/l	99
5) Bromomethane	1.61	94	103753	52.463	ug/l	98
6) Chloroethane	1.69	64	109863	48.280	ug/l	100
7) Trichlorofluoromethane	1.88	101	232645	44.350	ug/l	97
8) Diethyl Ether	2.09	74	109731	47.556	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	149726	43.095	ug/l	98
10) Methyl Iodide	2.40	142	135524	43.202	ug/l	100
11) Tert butyl alcohol	2.81	59	252473	263.115	ug/l	99
12) 1,1-Dichloroethene	2.27	96	148588	45.494	ug/l	97
13) Acrolein	2.18	56	117247	145.378	ug/l	99
14) Allyl chloride	2.58	41	274477m	43.958	ug/l	
15) Acrylonitrile	2.92	53	587894	246.031	ug/l	98
16) Acetone	2.31	43	458476	195.059	ug/l	98
17) Carbon Disulfide	2.47	76	297707	40.556	ug/l	100
18) Methyl Acetate	2.60	43	221288	38.692	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	593592	49.862	ug/l	100
20) Methylene Chloride	2.69	84	188112	48.853	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	158054	45.922	ug/l	97
22) Diisopropyl ether	3.55	45	596327	48.972	ug/l	98
23) Vinyl Acetate	3.50	43	2115139	213.243	ug/l	98
24) 1,1-Dichloroethane	3.43	63	333946	45.922	ug/l	99
25) 2-Butanone	4.24	43	756072	240.976	ug/l	100
26) 2,2-Dichloropropane	4.20	77	205855	35.197	ug/l	97
27) cis-1,2-Dichloroethene	4.20	96	206213	49.331	ug/l	94
28) Bromochloromethane	4.52	49	162680	48.636	ug/l	94
29) Tetrahydrofuran	4.61	42	477266	249.980	ug/l	98
30) Chloroform	4.65	83	333030	45.054	ug/l	98
31) Cyclohexane	4.97	56	238155	44.765	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	270911	45.840	ug/l	98
36) 1,1-Dichloropropene	5.12	75	216879	43.988	ug/l	99
37) Ethyl Acetate	4.36	43	240923	41.330	ug/l	99
38) Carbon Tetrachloride	5.11	117	233147	44.288	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	232095	44.036	ug/l	97
40) Benzene	5.37	78	716225	45.020	ug/l	100
41) Methacrylonitrile	4.52	41	152362	49.069	ug/l	99
42) 1,2-Dichloroethane	5.38	62	243825	44.143	ug/l	98
43) Isopropyl Acetate	5.53	43	400447	44.036	ug/l	98
44) Trichloroethene	6.17	130	203680	46.266	ug/l	98
45) 1,2-Dichloropropane	6.41	63	212400	45.669	ug/l	99
46) Dibromomethane	6.54	93	131442	45.024	ug/l	97
47) Bromodichloromethane	6.74	83	267810	44.566	ug/l	98
48) Methyl methacrylate	6.60	41	201720	46.704	ug/l	98
49) 1,4-Dioxane	6.59	88	100451	1065.069	ug/l	97
51) 4-Methyl-2-Pentanone	7.44	43	1481956	235.432	ug/l	98
52) Toluene	7.62	92	465116	46.605	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	281268	45.151	ug/l	97
54) cis-1,3-Dichloropropene	7.25	75	304915	44.598	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	204522	45.132	ug/l	99
56) Ethyl methacrylate	8.00	69	314512	45.948	ug/l	98
57) 1,3-Dichloropropane	8.22	76	338005	45.806	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.09	63	1268	17.124	ug/l #	48
59) 2-Hexanone	8.34	43	1123433	238.906	ug/l	98
60) Dibromochloromethane	8.46	129	228500	47.011	ug/l	98
61) 1,2-Dibromoethane	8.57	107	206408	46.536	ug/l	98
64) Tetrachloroethene	8.21	164	171289	44.498	ug/l	97
65) Chlorobenzene	9.10	112	546136	48.516	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	203029	47.260	ug/l	100
67) Ethyl Benzene	9.23	91	911849	49.541	ug/l	100
68) m/p-Xylenes	9.35	106	697994	100.708	ug/l	99
69) o-Xylene	9.76	106	347347	51.245	ug/l	99
70) Styrene	9.77	104	617244	51.940	ug/l	98
71) Bromoform	9.94	173	182367	48.981	ug/l #	100
73) Isopropylbenzene	10.14	105	939570	49.338	ug/l	100
74) N-amyl acetate	9.99	43	345361	45.054	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	357327	46.356	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	313296m	49.048	ug/l	
77) Bromobenzene	10.43	156	261094	49.034	ug/l	97
78) n-propylbenzene	10.57	91	1068546	48.585	ug/l	99
79) 2-Chlorotoluene	10.64	91	651036	48.514	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	811091	50.926	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	81990m	43.166	ug/l	
82) 4-Chlorotoluene	10.75	91	749651	48.543	ug/l	99
83) tert-Butylbenzene	11.08	119	809344	50.797	ug/l	97
84) 1,2,4-Trimethylbenzene	11.12	105	812134	50.656	ug/l	99
85) sec-Butylbenzene	11.30	105	936160	49.769	ug/l	100
86) p-Isopropyltoluene	11.45	119	864634	49.802	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	465937	47.953	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	467005	46.080	ug/l	99
89) n-Butylbenzene	11.87	91	731627	48.493	ug/l	100
90) Hexachloroethane	12.12	117	127796	46.009	ug/l	98
91) 1,2-Dichlorobenzene	11.85	146	461993	48.380	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	71414	50.417	ug/l	93

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QLast Update : Fri Sep 06 05:10:13 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	321113	46.616	ug/l	100
94) Hexachlorobutadiene	13.67	225	137935	41.294	ug/l	99
95) Naphthalene	13.72	128	941187	48.396	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	318152	47.689	ug/l	98

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

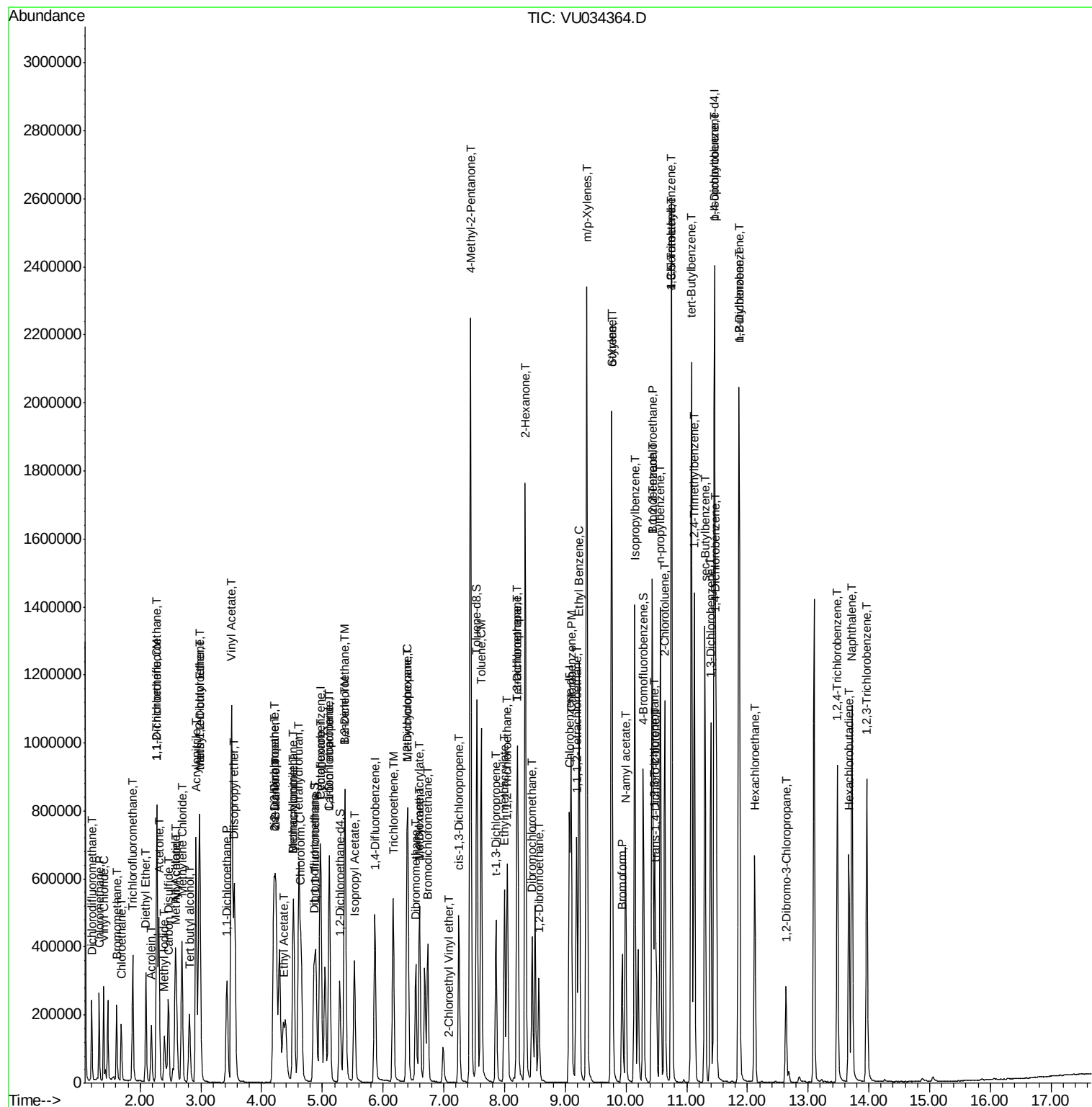
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU090719\
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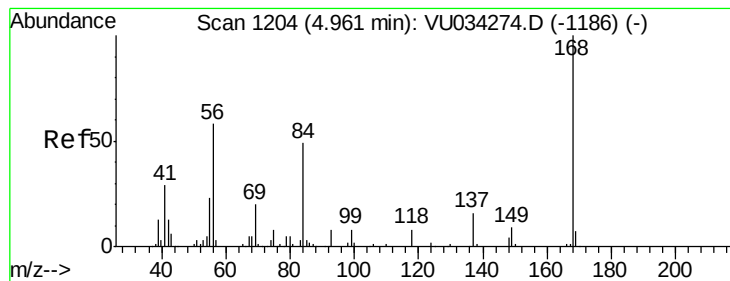
Instrument :
MSVOA_U
ClientSampleID :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampled :

S13-0263MS

Tot Ion:168 Resp: 300191

Ion Ratio Lower Upper

168 100

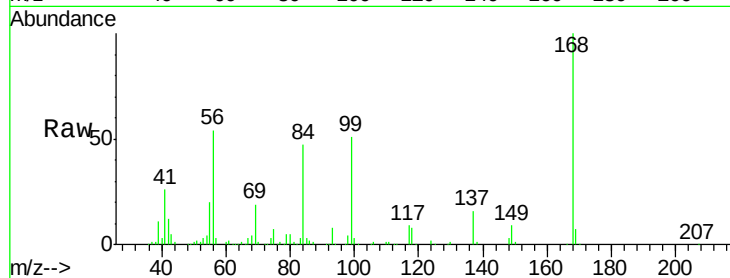
99 50.4 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

4.96

150000

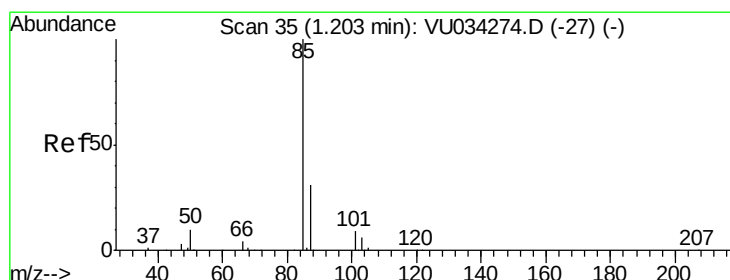
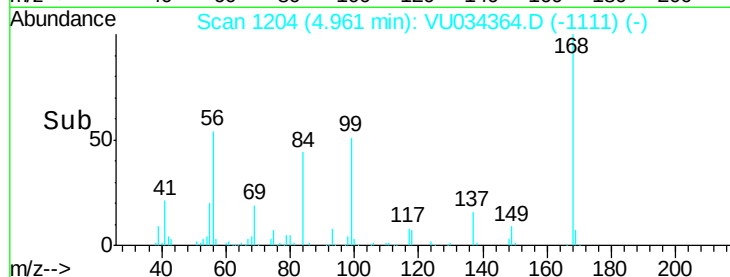
100000

50000

0

4.90 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 41.562 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034364.D

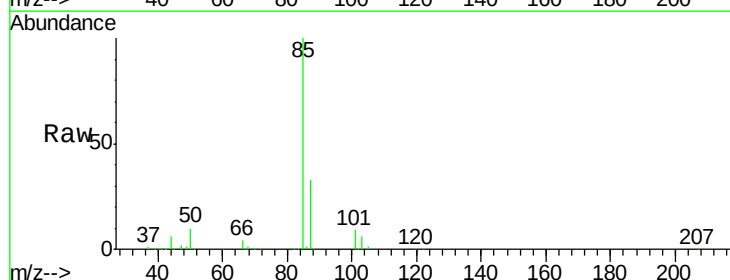
Acq: 07 Sep 2019 04:55

Tgt Ion: 85 Resp: 130486

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

1.20

150000

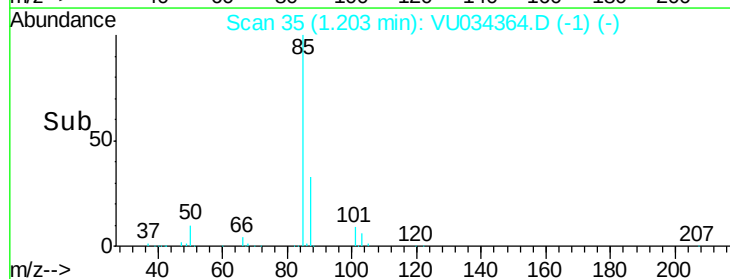
100000

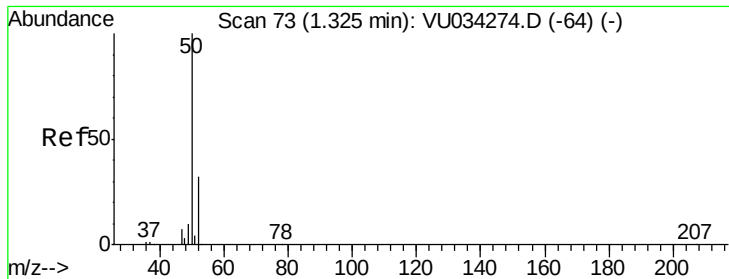
50000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 45.181 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 50 Resp: 153276

Ion Ratio Lower Upper

50 100

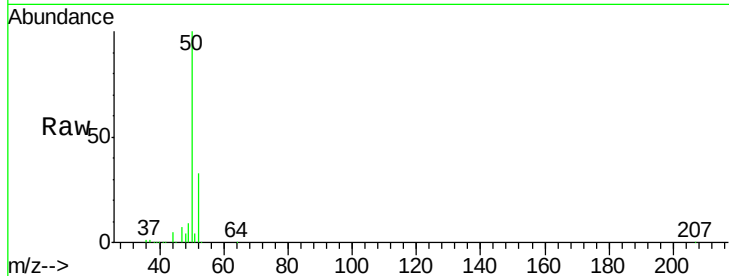
52 33.2 25.8 38.6

Manual Integrations

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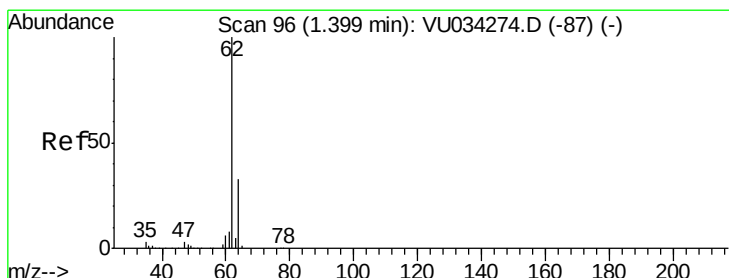
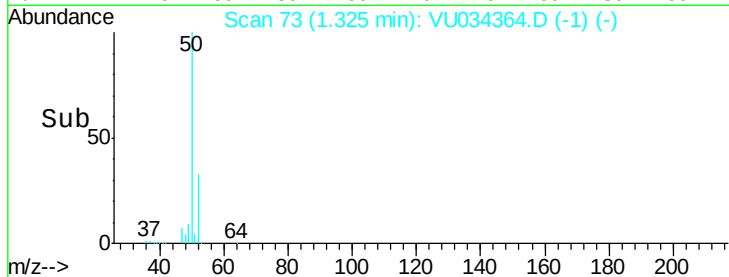
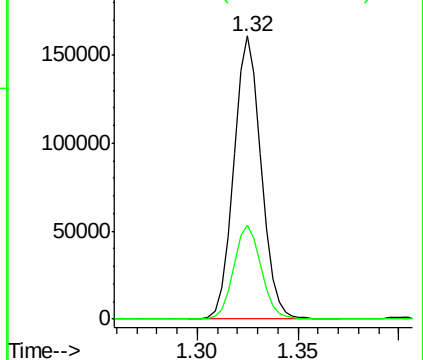
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 42.916 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034364.D

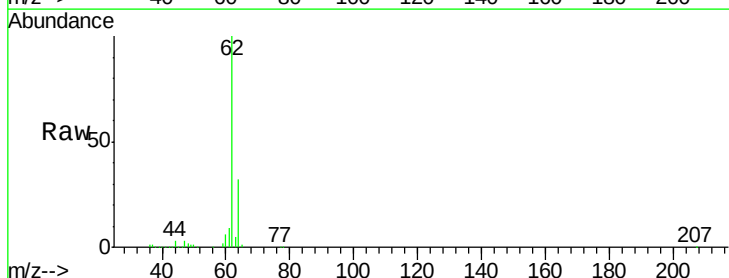
Acq: 07 Sep 2019 04:55

Tgt Ion: 62 Resp: 167899

Ion Ratio Lower Upper

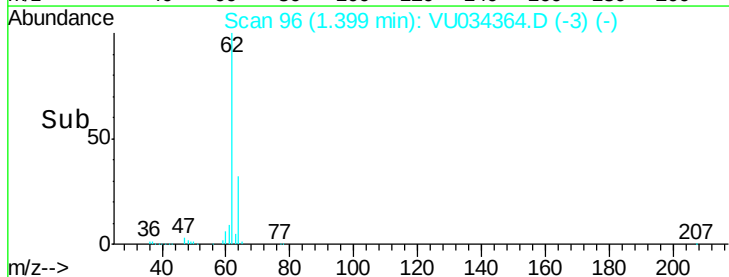
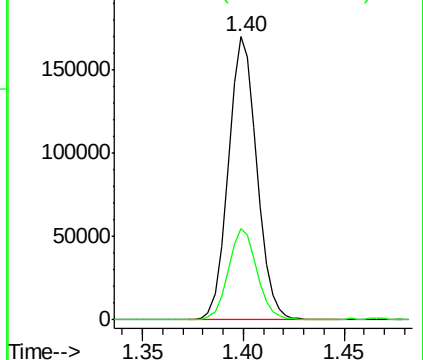
62 100

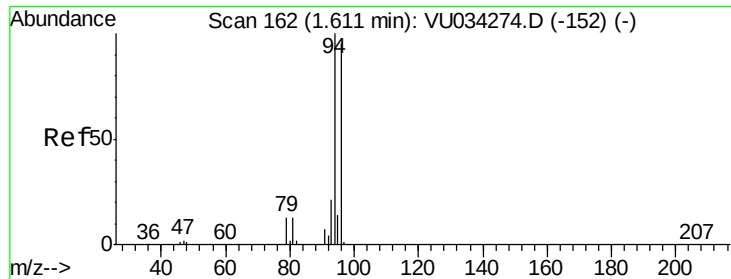
64 32.2 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 52.463 ug/l

RT: 1.61 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 94 Resp: 103753

Ion Ratio Lower Upper

94 100

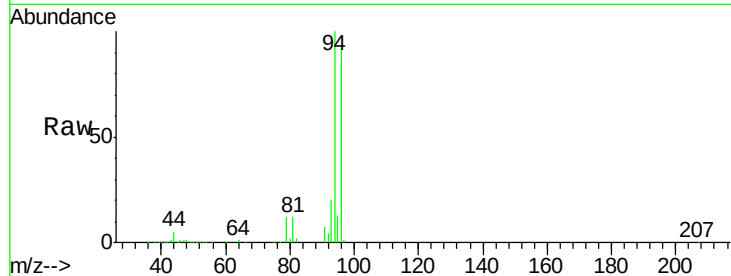
96 92.5 75.7 113.5

Manual Integrations

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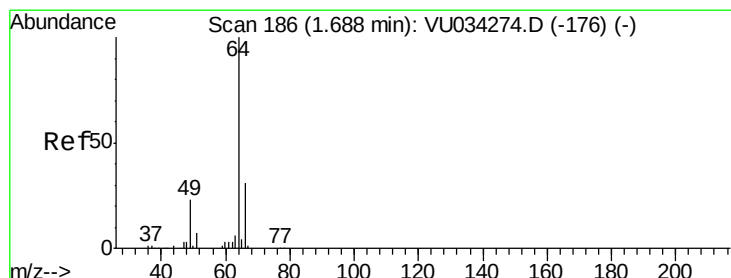
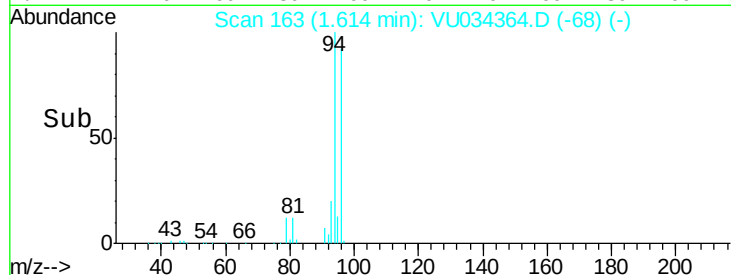
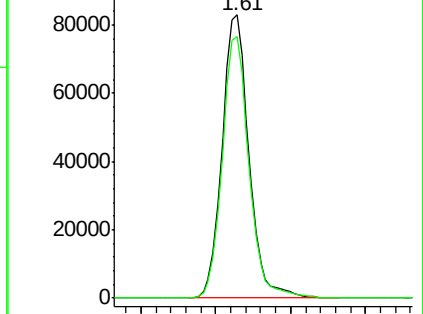
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Abundance Ion 93.90 (93.60 to 94.60): VU034364.D (-163) (-)

Ion 95.90 (95.60 to 96.60): VU034364.D (-163) (-)



#6

Chloroethane

Concen: 48.280 ug/l

RT: 1.69 min Scan# 186

Delta R.T. 0.00 min

Lab File: VU034364.D

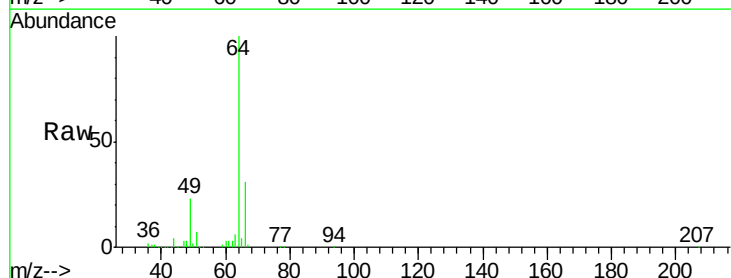
Acq: 07 Sep 2019 04:55

Tgt Ion: 64 Resp: 109863

Ion Ratio Lower Upper

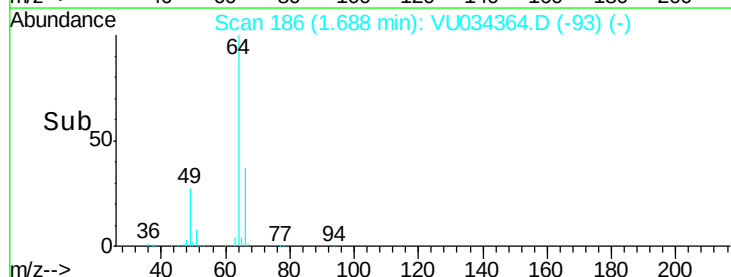
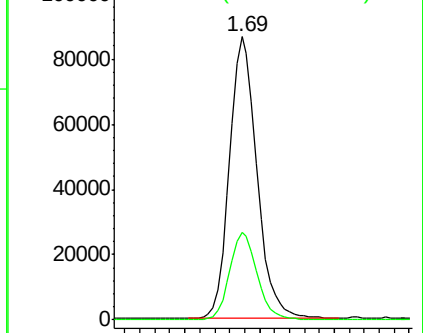
64 100

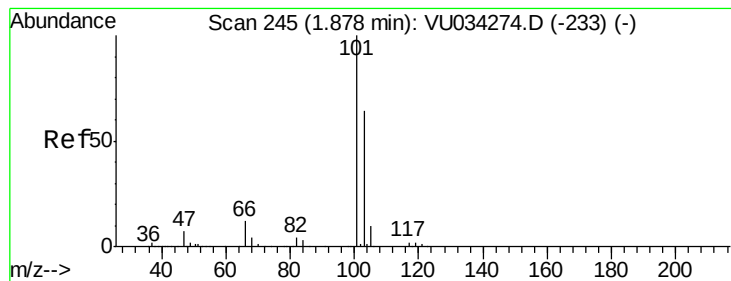
66 31.1 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034364.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034364.D (-186) (-)





#7

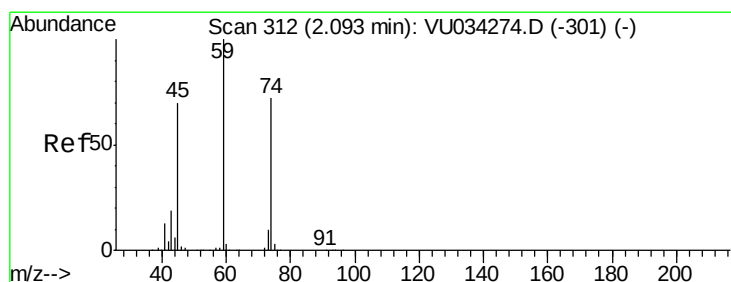
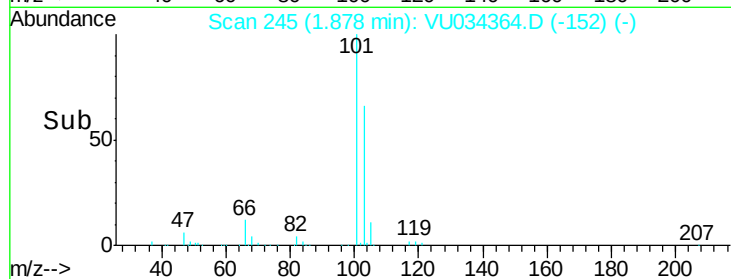
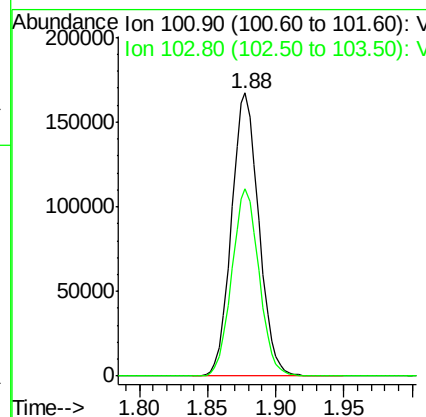
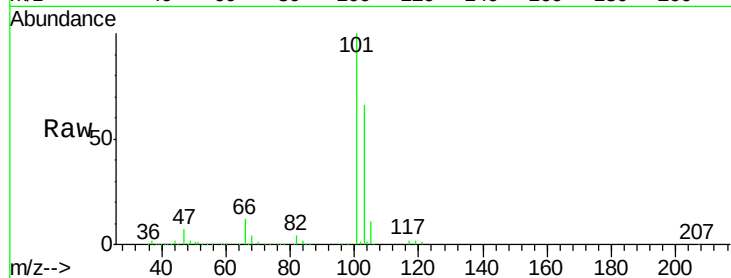
Trichlorofluoromethane
 Concen: 44.350 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	232645		
103	66.3	51.0	76.6	

Manual Integrations
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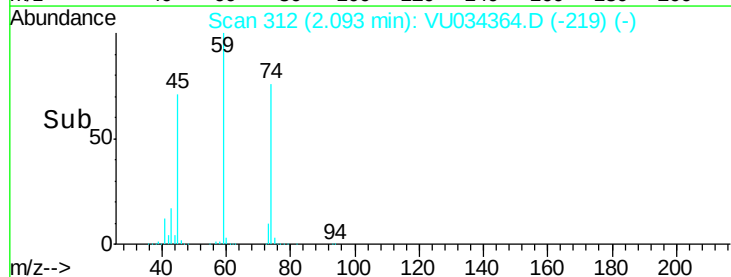
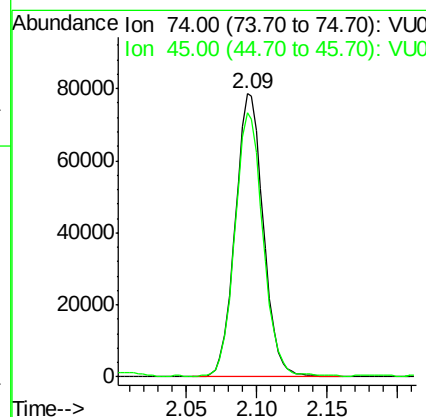
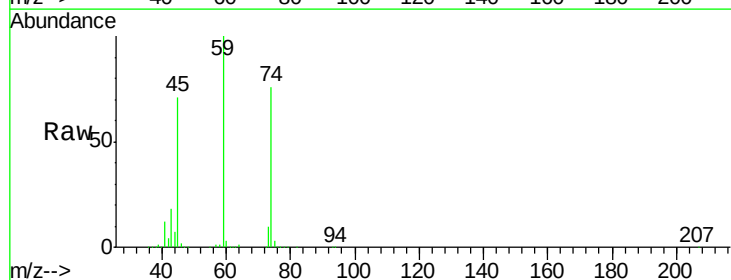
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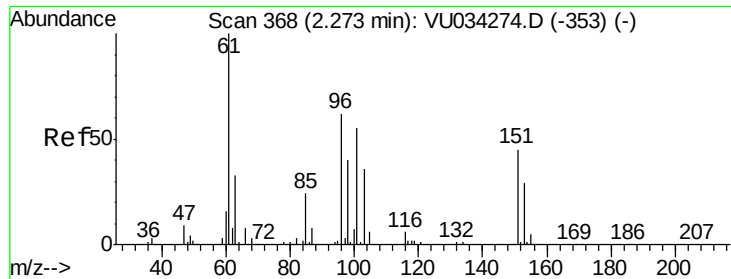


#8

Diethyl Ether
 Concen: 47.556 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	109731		
45	93.0	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 43.095 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

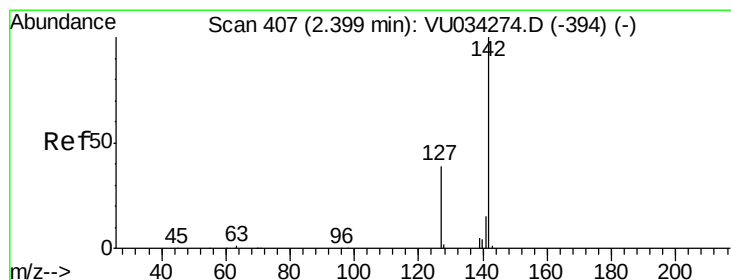
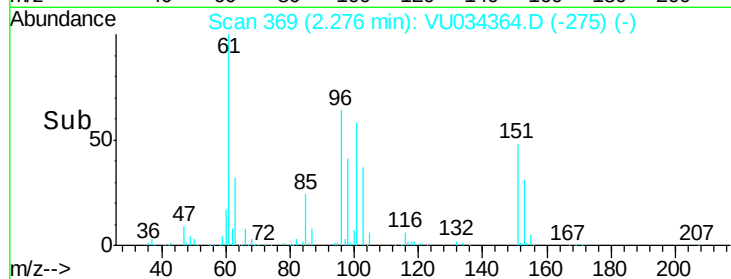
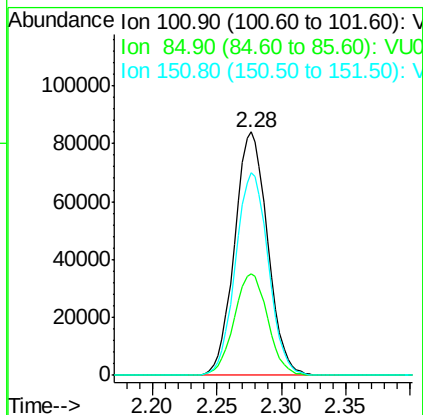
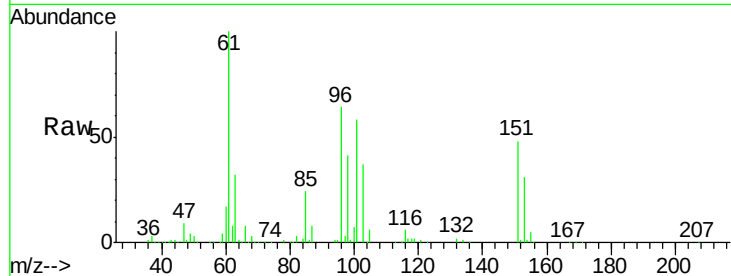
ClientSampled :

S13-0263MS

Tot Ion:	101	Resp:	149726
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	82.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 43.202 ug/l

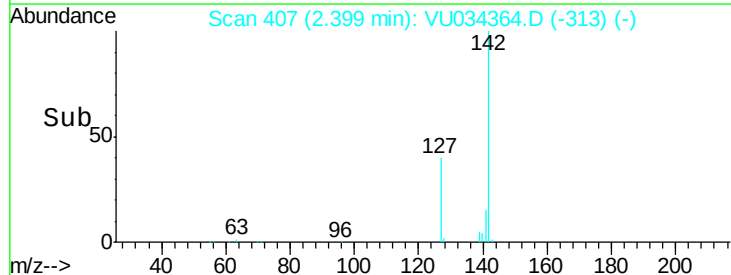
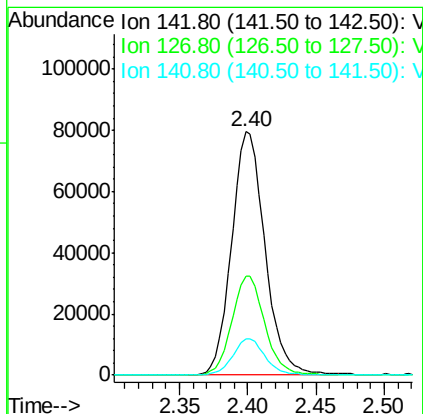
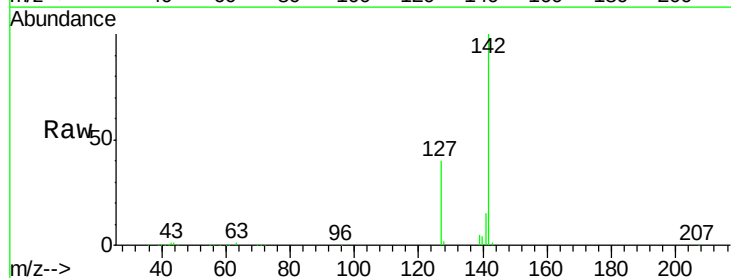
RT: 2.40 min Scan# 407

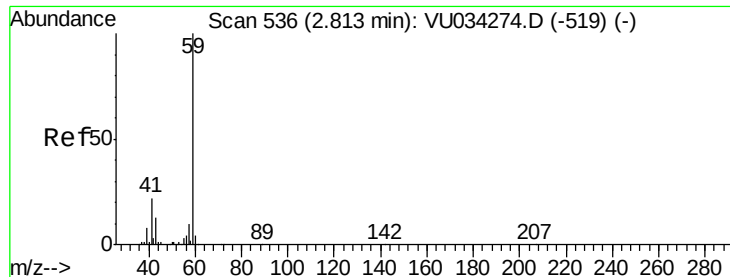
Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	142	Resp:	135524
Ion Ratio	Lower	Upper	
142	100		
127	39.9	32.1	48.1
141	14.4	11.5	17.3





#11

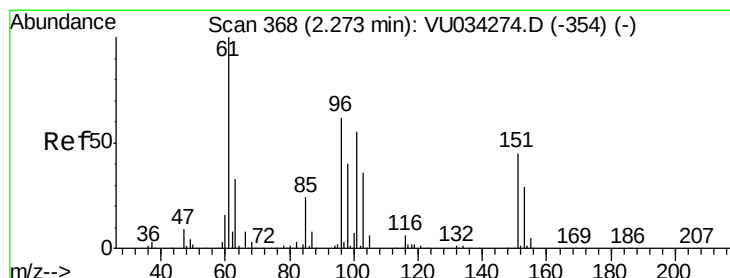
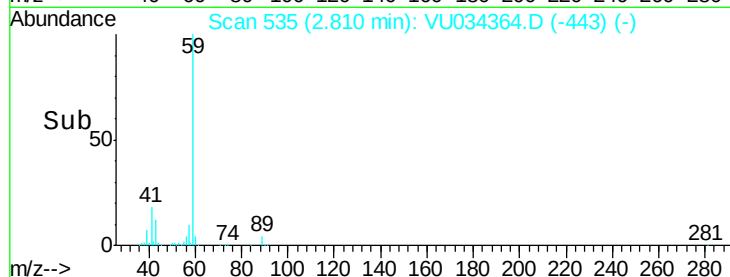
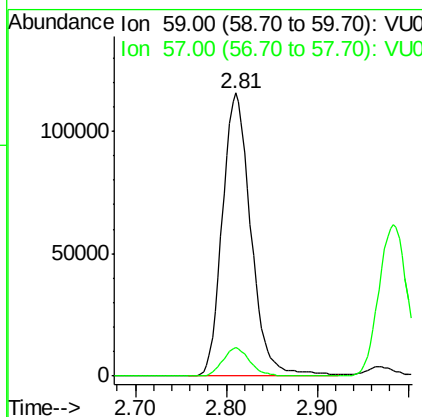
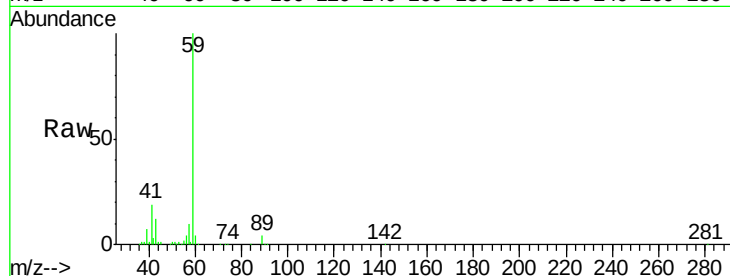
Tert butyl alcohol
 Concen: 263.115 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.6	7.9	11.9

Manual Integrations
 APPROVED

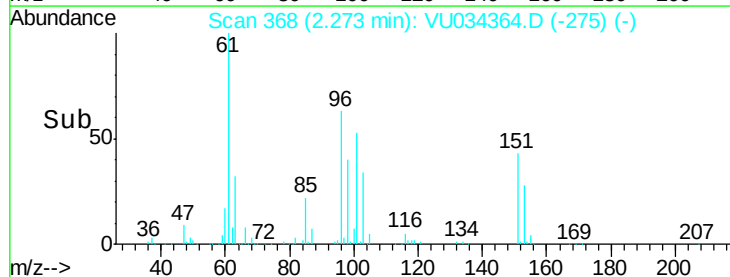
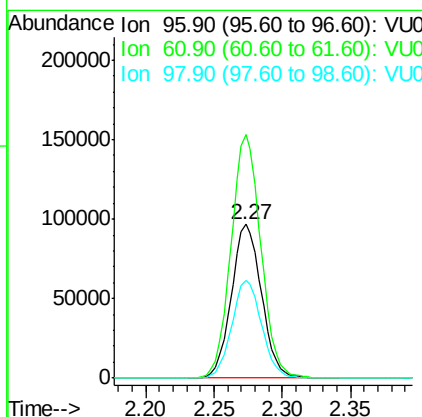
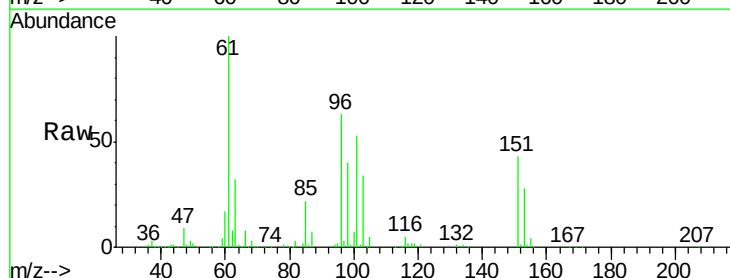
MMDadoda
 9/10/2019 1:31:35 PM

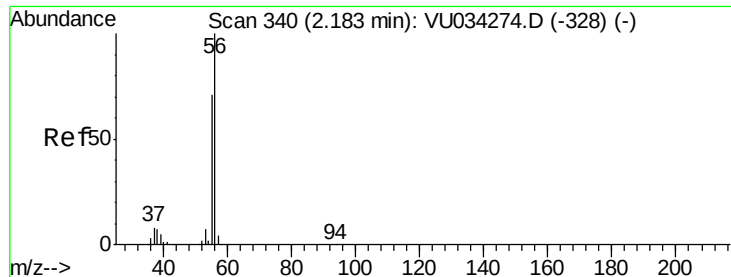


#12

1,1-Dichloroethene
 Concen: 45.494 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	130.0	195.0
98	63.5	52.2	78.4





#13

Acrolein

Concen: 145.378 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 56 Resp: 117247

Ion Ratio Lower Upper

56 100

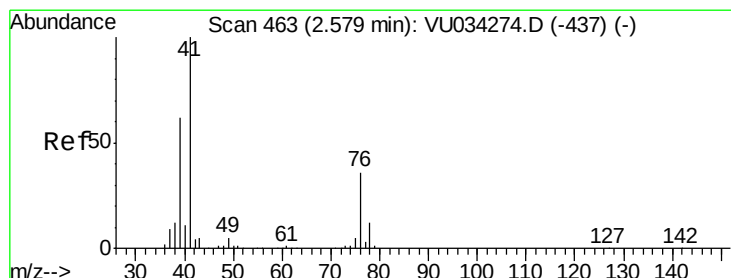
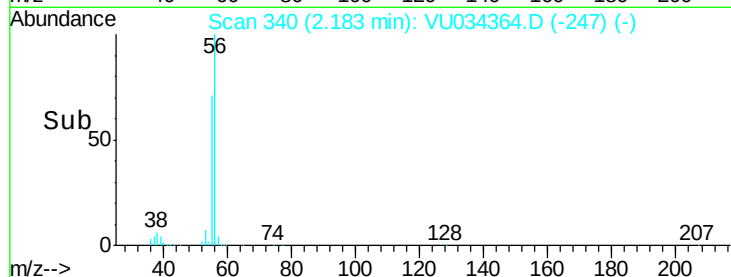
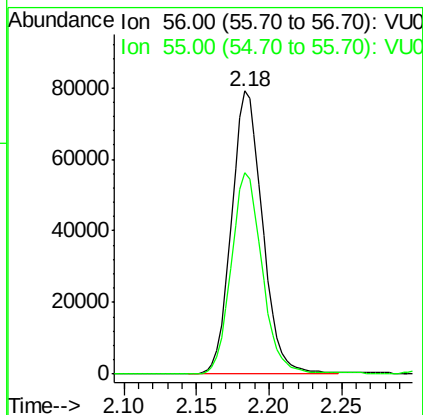
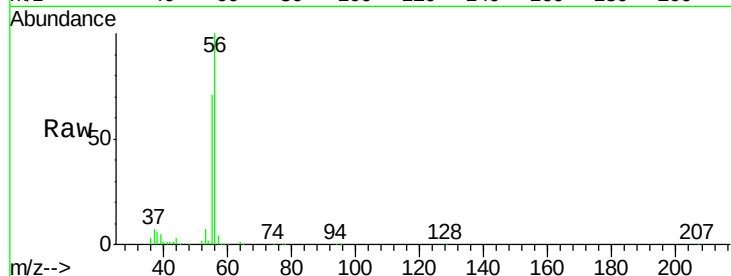
55 70.7 57.4 86.2

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:31:35 PM



#14

Allyl chloride

Concen: 43.958 ug/l m

RT: 2.58 min Scan# 463

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

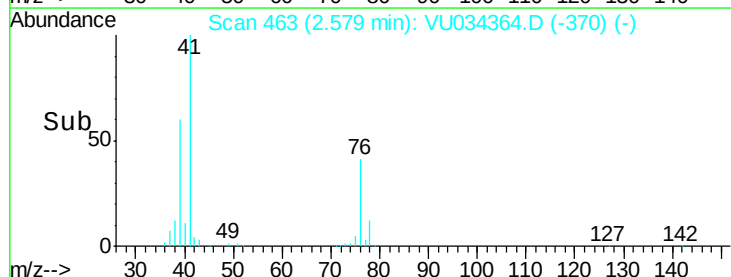
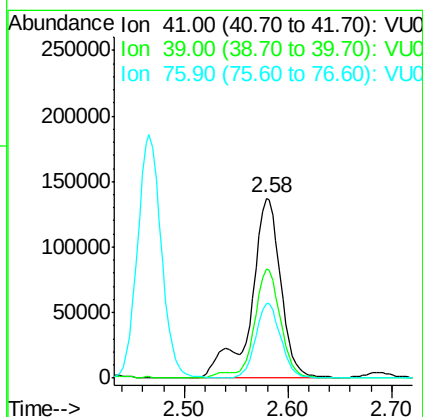
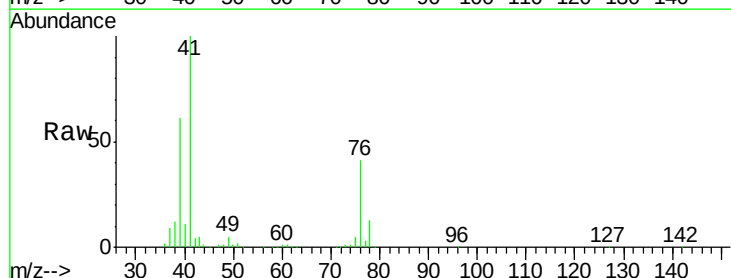
Tgt Ion: 41 Resp: 274477

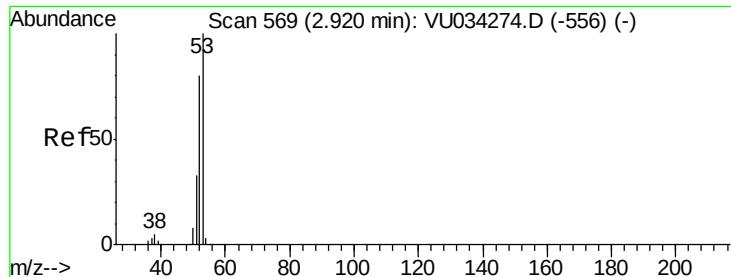
Ion Ratio Lower Upper

41 100

39 50.9 43.5 65.3

76 34.4 27.0 40.6





#15

Acrylonitrile

Concen: 246.031 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

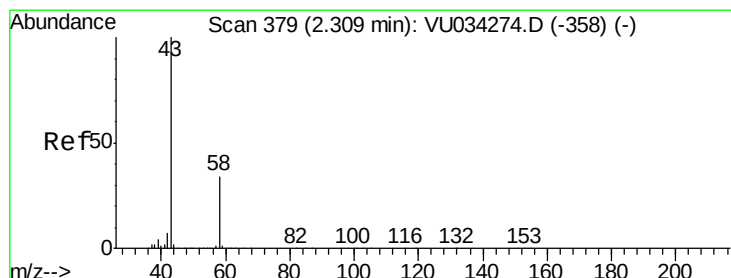
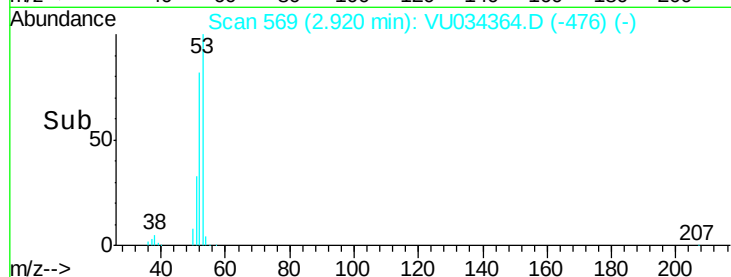
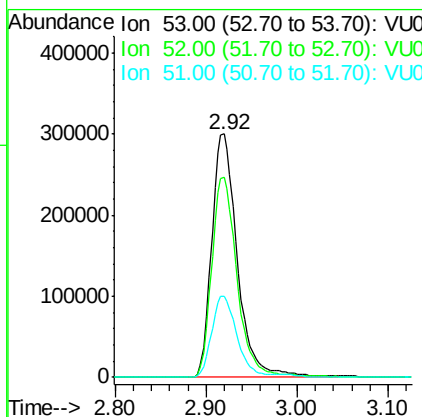
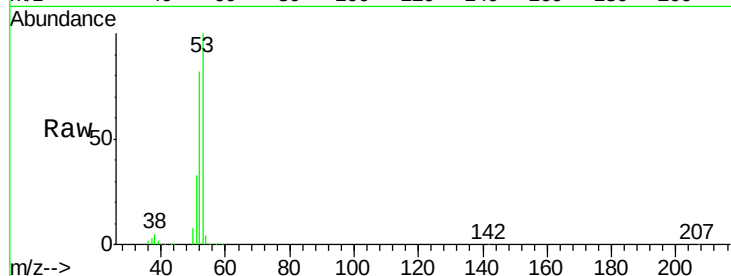
ClientSampleId :

S13-0263MS

Tot Ion:	53	Resp:	587894
Ion	Ratio	Lower	Upper
53	100		
52	81.6	64.1	96.1
51	32.9	27.4	41.0

Manual Integrations
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9/10/2019 1:31:35 PM



#16

Acetone

Concen: 195.059 ug/l

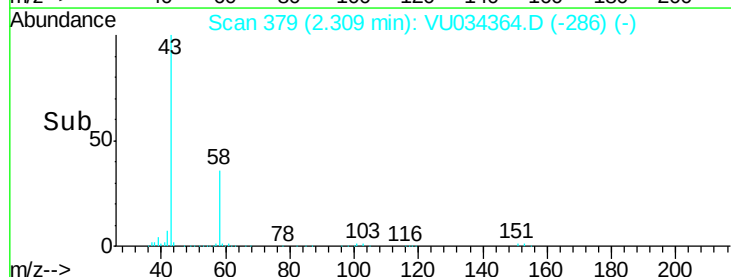
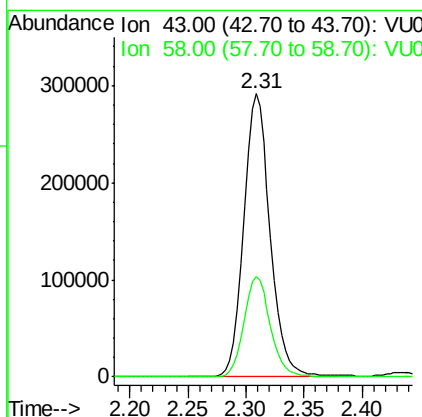
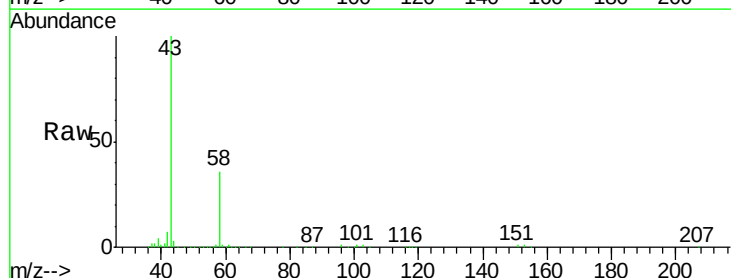
RT: 2.31 min Scan# 379

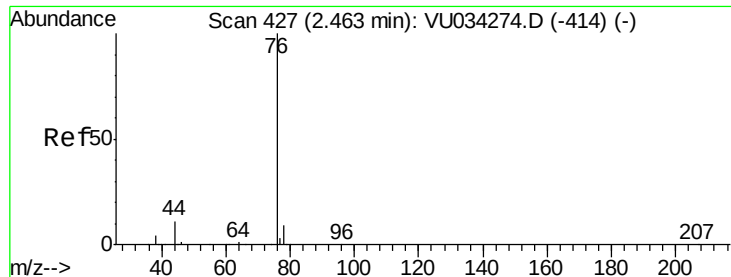
Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	43	Resp:	458476
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.6	41.4





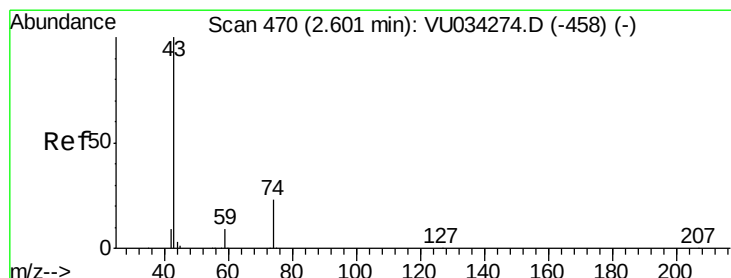
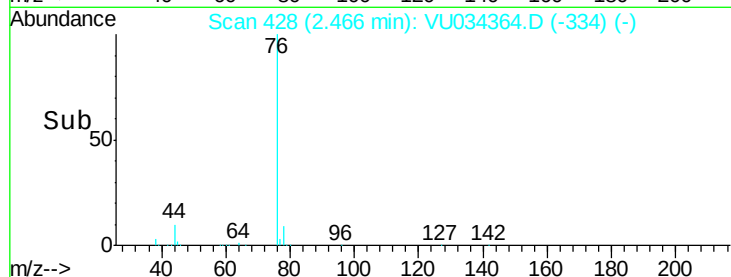
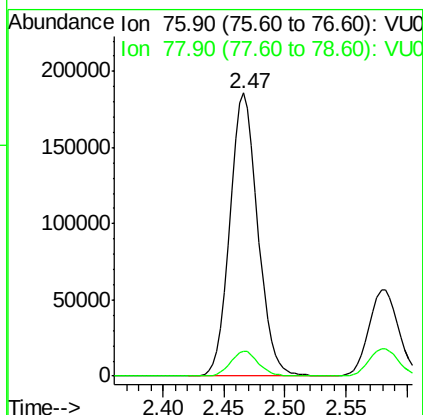
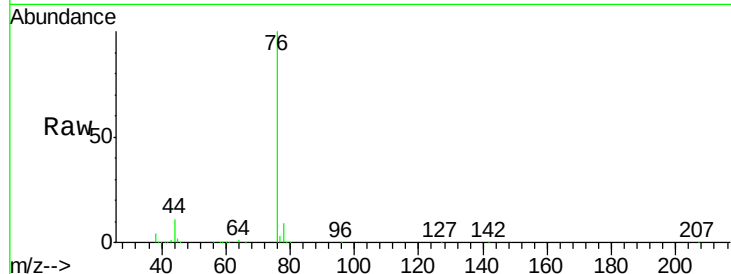
#17
Carbon Disulfide
Concen: 40.556 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

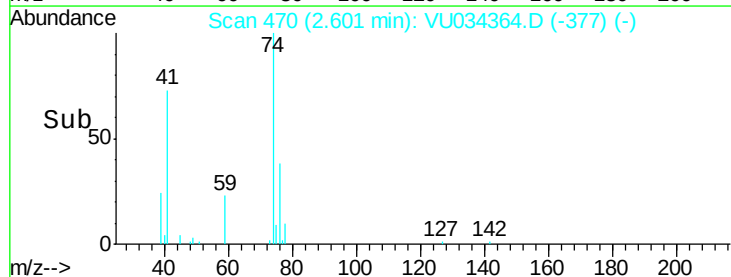
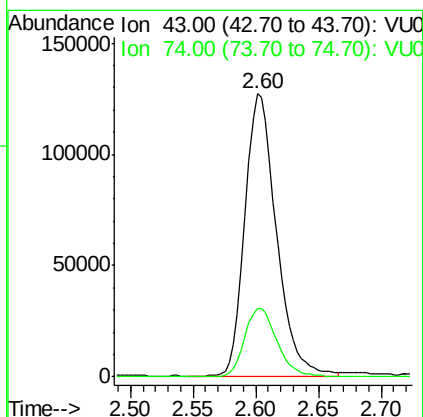
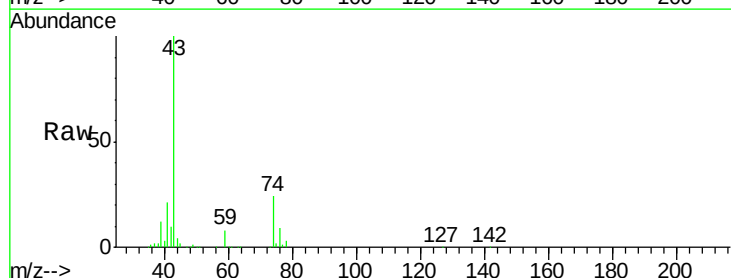
Manual Integrations
APPROVED

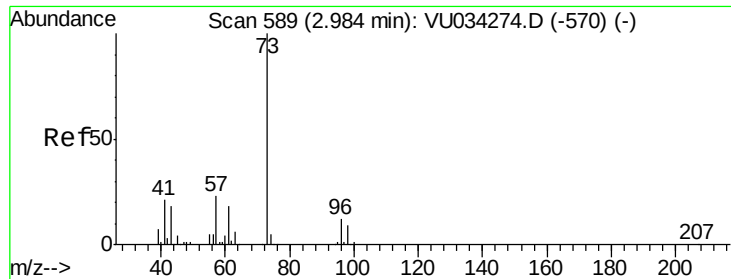
MMDadoda
9/10/2019 1:31:35 PM



#18
Methyl Acetate
Concen: 38.692 ug/l
RT: 2.60 min Scan# 470
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.1	18.9	28.3





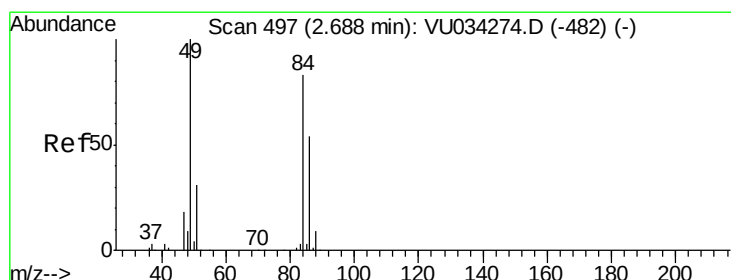
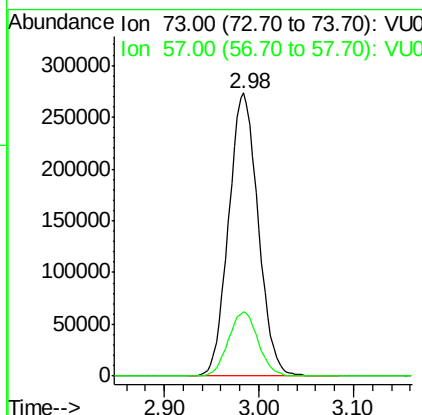
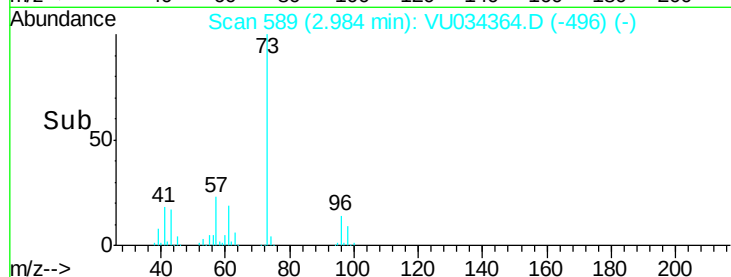
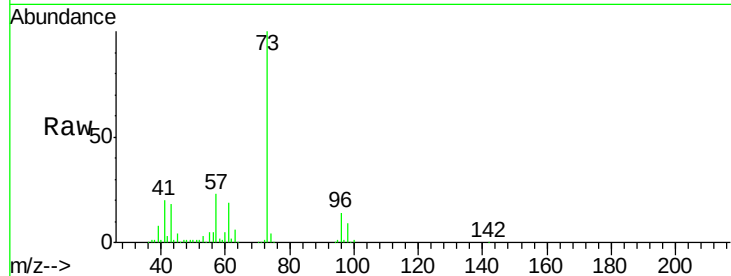
#19
Methyl tert-butyl Ether
Concen: 49.862 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion: 73 Resp: 593592
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

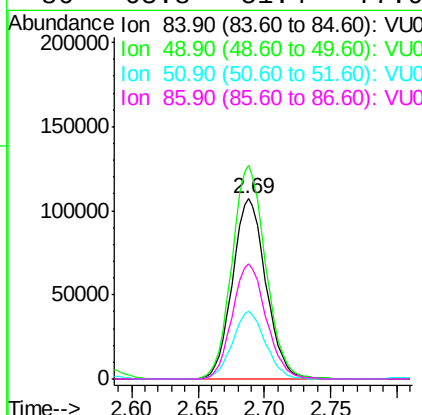
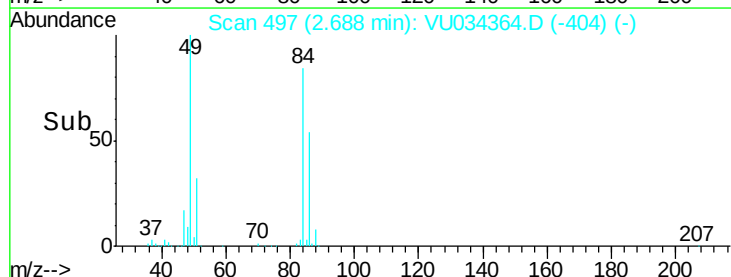
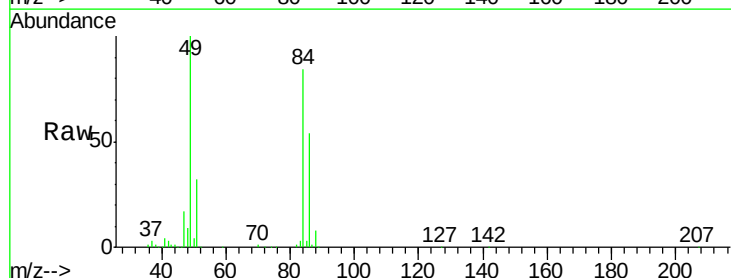
Manual Integrations
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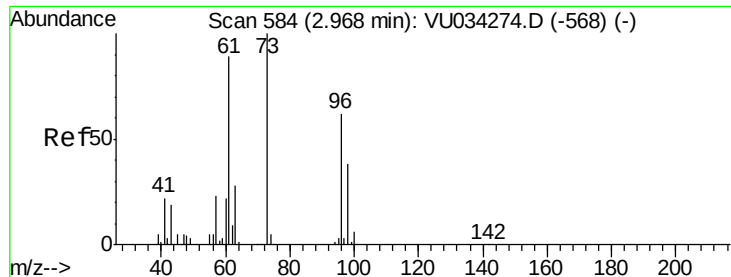
MMDadoda
9/10/2019 1:31:35 PM



#20
Methylene Chloride
Concen: 48.853 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 84 Resp: 188112
Ion Ratio Lower Upper
84 100
49 118.7 96.0 144.0
51 37.4 30.0 45.0
86 63.8 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 45.922 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

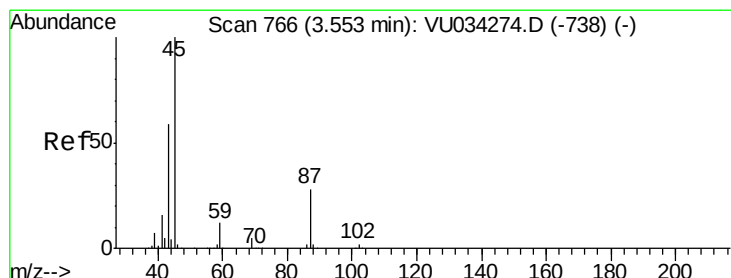
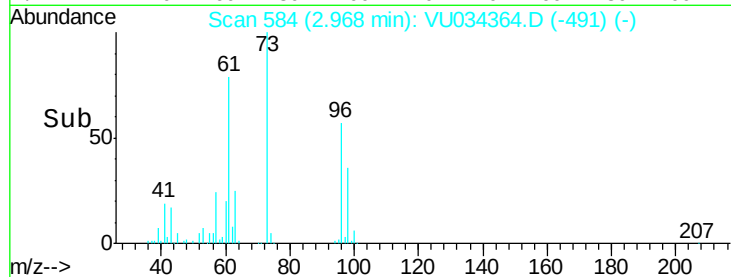
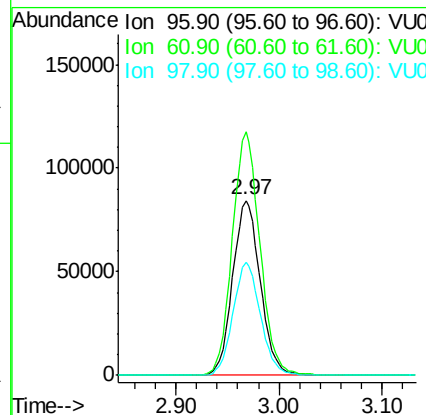
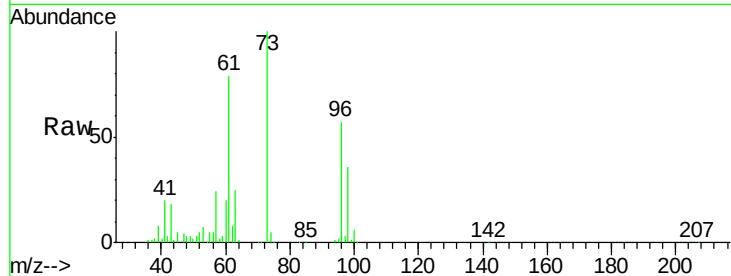
ClientSampleId :

S13-0263MS

Tot Ion:	96	Resp:	158054
Ion	Ratio	Lower	Upper
96	100		
61	139.2	114.8	172.2
98	64.3	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:31:35 PM



#22

Diisopropyl ether

Concen: 48.972 ug/l

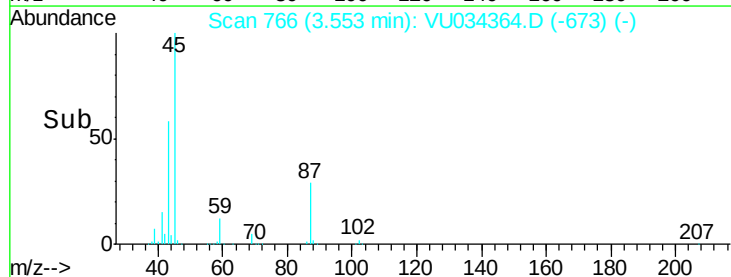
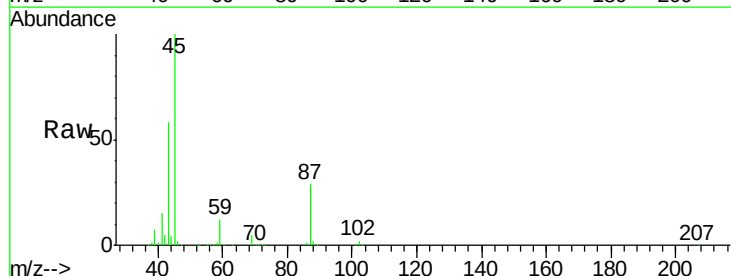
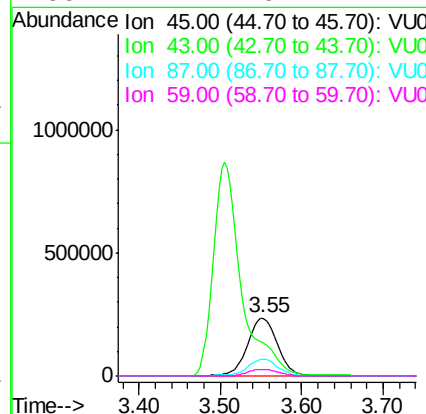
RT: 3.55 min Scan# 766

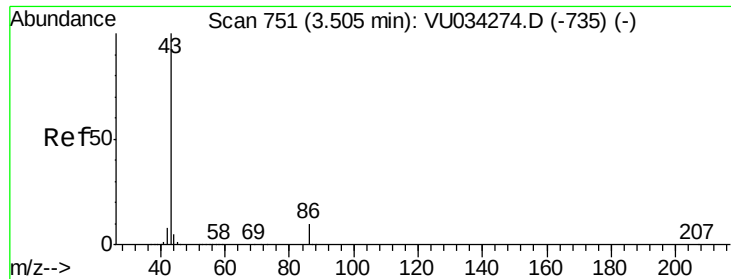
Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	45	Resp:	596327
Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.5	71.3
87	29.0	22.2	33.4
59	12.1	9.4	14.2





#23

Vinyl Acetate

Concen: 213.243 ug/l

RT: 3.50 min Scan# 751

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 43 Resp: 2115139

Ion Ratio Lower Upper

43 100

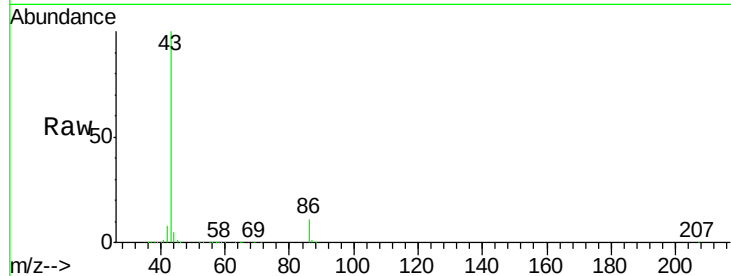
86 11.0 8.3 12.5

Manual Integrations

APPROVED

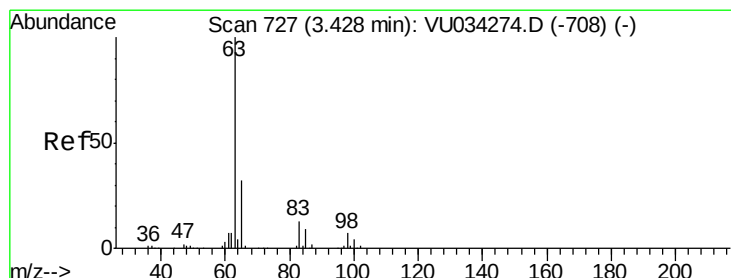
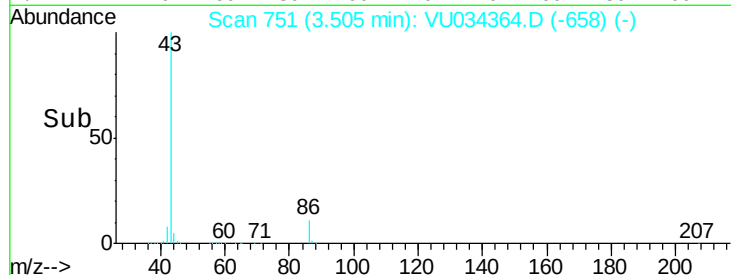
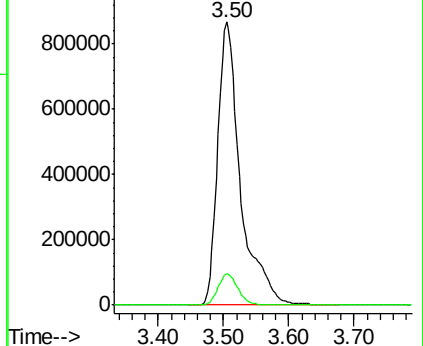
MMDadoda

9/10/2019 1:31:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034364.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034364.D (-658) (-)



#24

1,1-Dichloroethane

Concen: 45.922 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

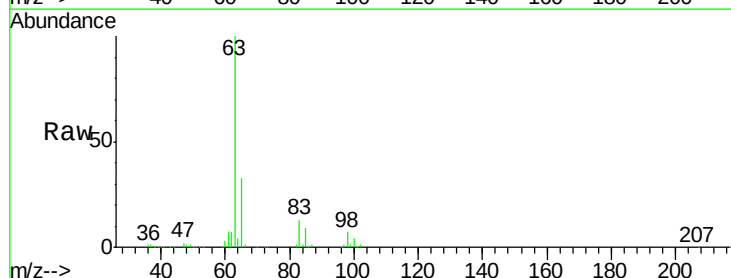
Tgt Ion: 63 Resp: 333946

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

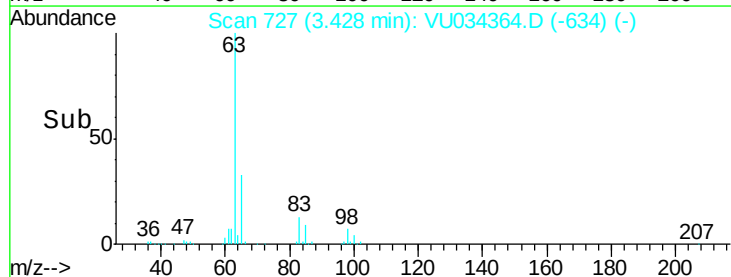
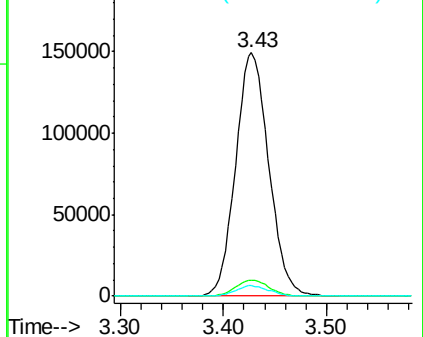
100 4.2 2.1 6.5

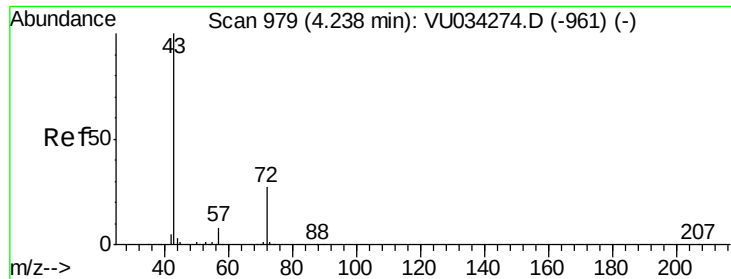


Abundance Ion 62.90 (62.60 to 63.60): VU034364.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034364.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034364.D (-634) (-)





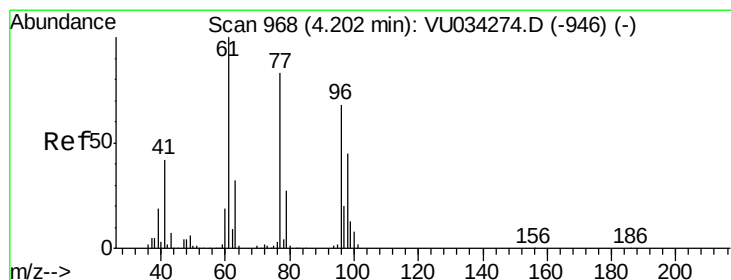
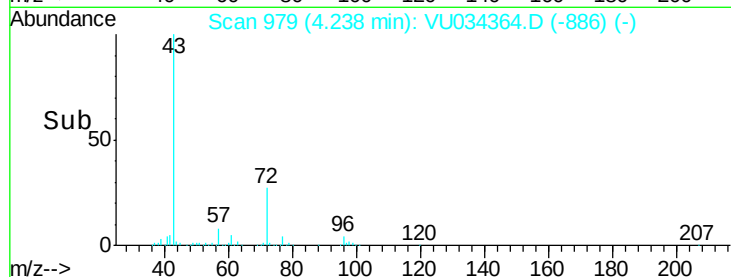
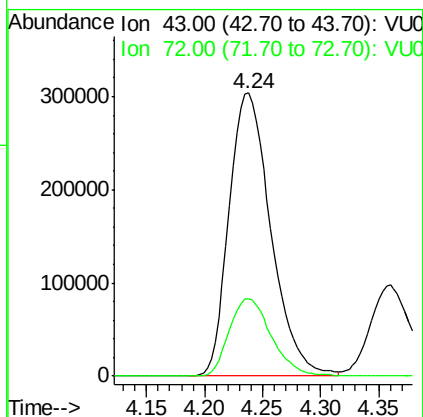
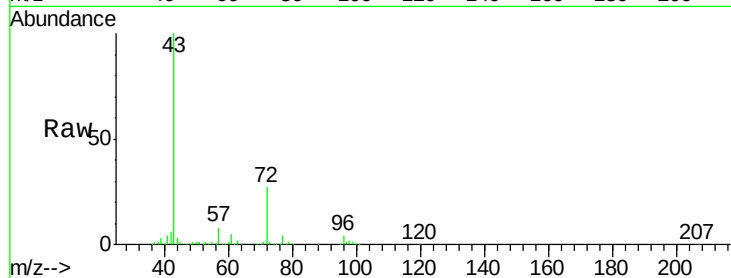
#25
2-Butanone
Concen: 240.976 ug/l
RT: 4.24 min Scan# 979
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion: 43 Resp: 756072
Ion Ratio Lower Upper
43 100
72 27.3 21.8 32.6

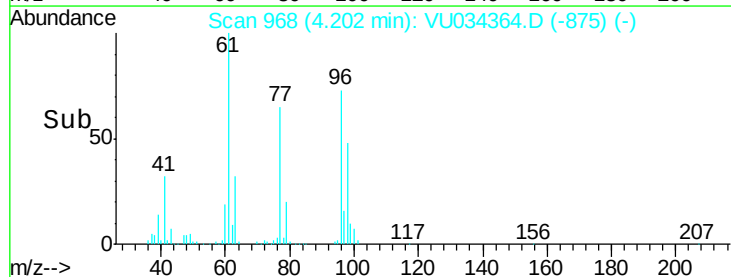
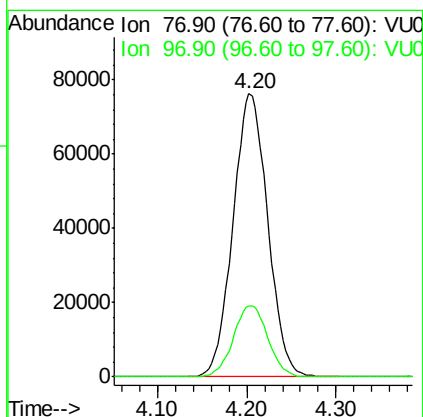
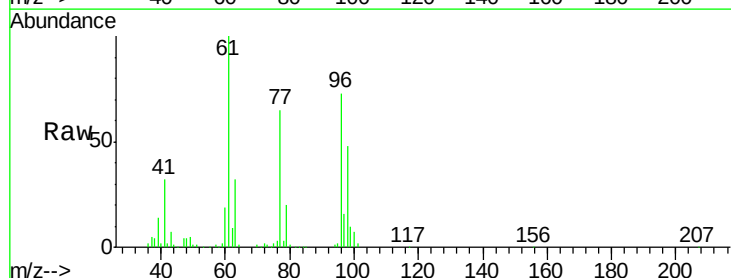
Manual Integrations
APPROVED

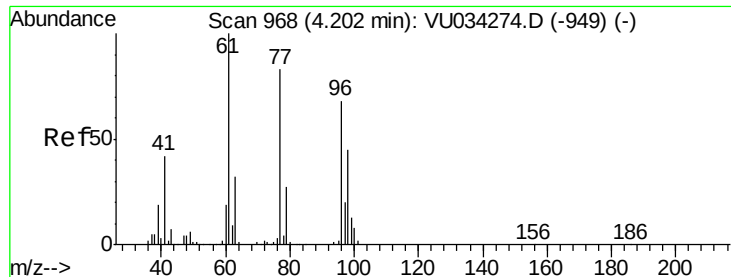
MMDadoda
9/10/2019 1:31:35 PM



#26
2,2-Dichloropropane
Concen: 35.197 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 77 Resp: 205855
Ion Ratio Lower Upper
77 100
97 25.0 11.8 35.3





#27

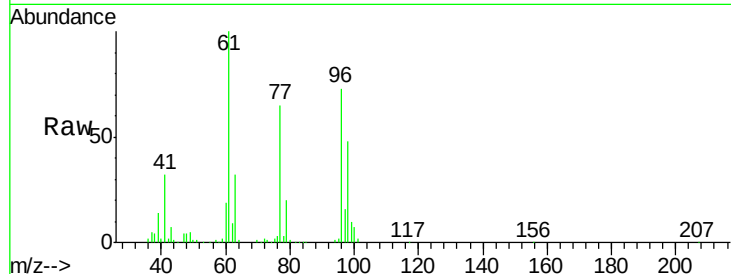
cis-1,2-Dichloroethene
Concen: 49.331 ug/l
RT: 4.20 min Scan# 968
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.8	0.0	297.4
98	64.6	0.0	130.0

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:31:35 PM



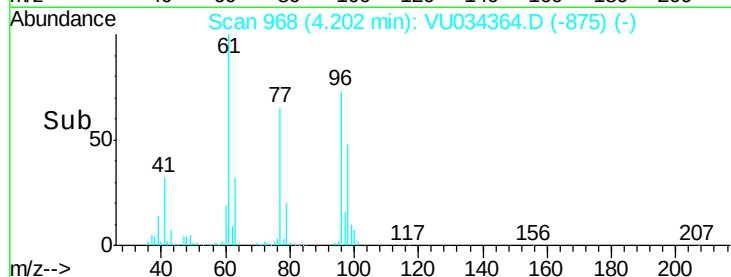
Abundance

Ion 95.90 (95.60 to 96.60): VU0

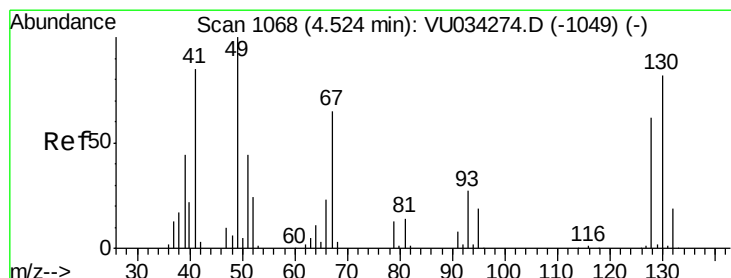
Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0

Time-->



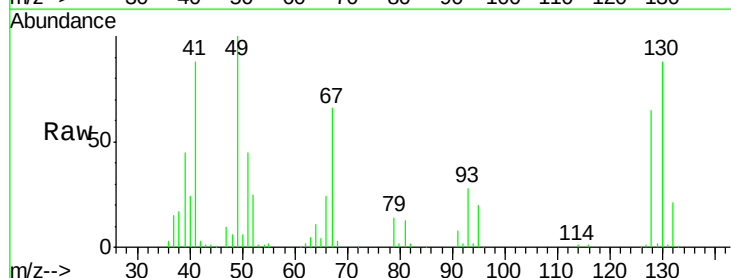
Time-->



#28

Bromochloromethane
Concen: 48.636 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	87.0	65.2	97.8



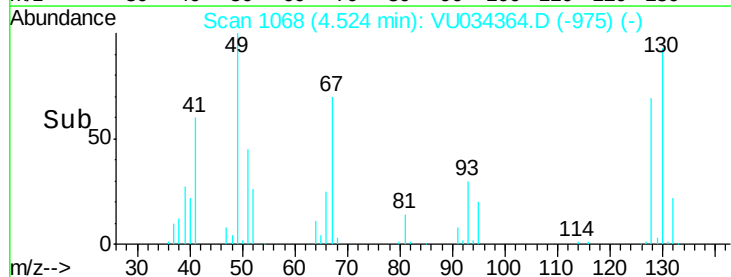
Abundance

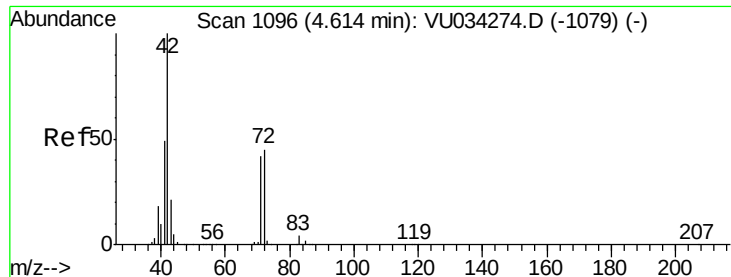
Ion 48.90 (48.60 to 49.60): VU0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

Time-->





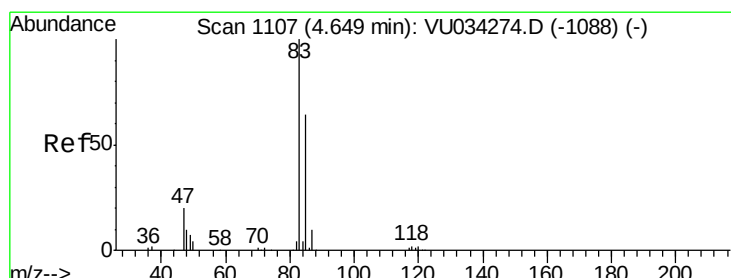
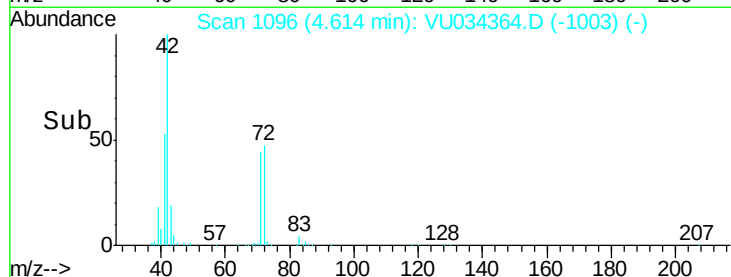
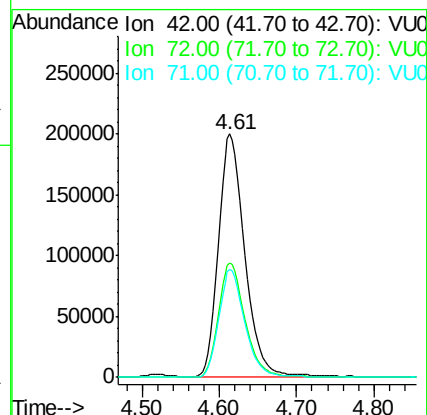
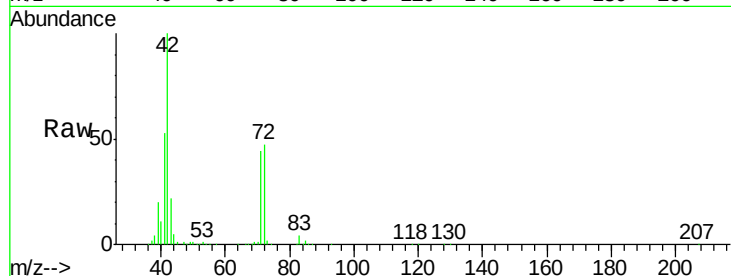
#29
Tetrahydrofuran
Concen: 249.980 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampled :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.5	36.6	54.8
71	44.1	34.3	51.5

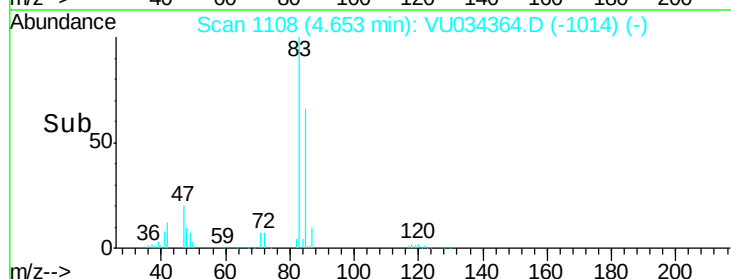
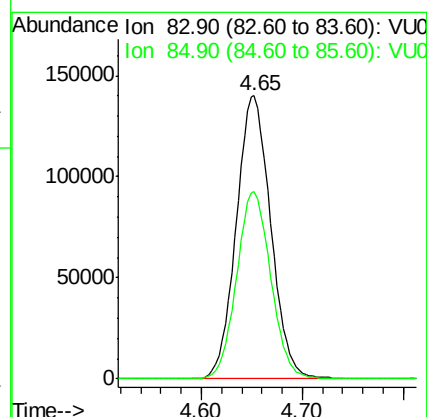
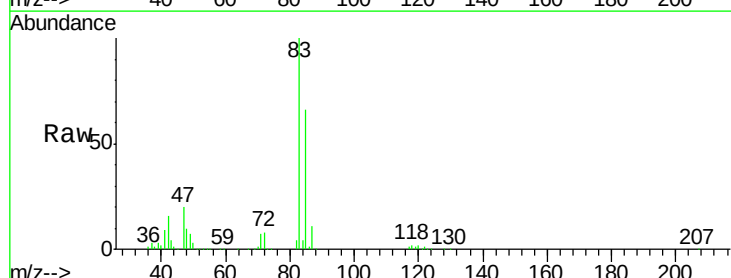
Manual Integrations
APPROVED

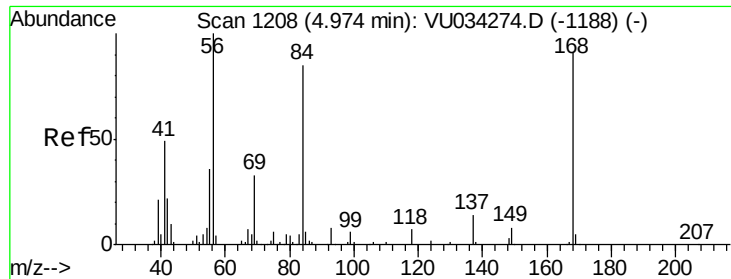
MMDadoda
9/10/2019 1:31:35 PM



#30
Chloroform
Concen: 45.054 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.5	77.3





#31

Cyclohexane

Concen: 44.765 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

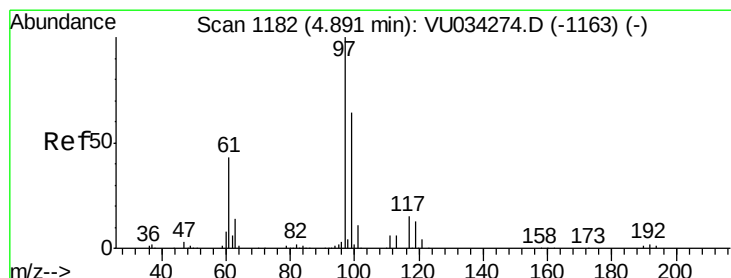
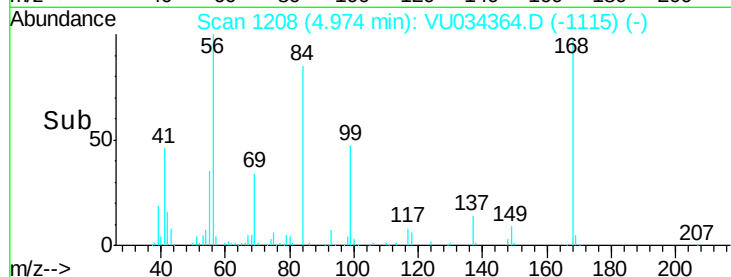
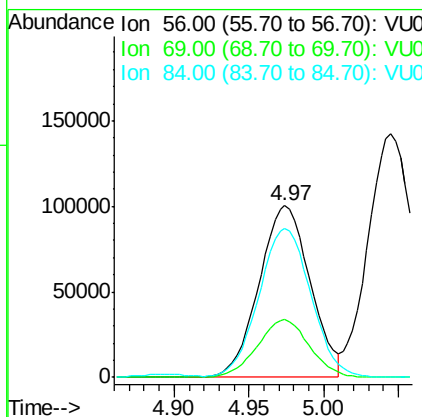
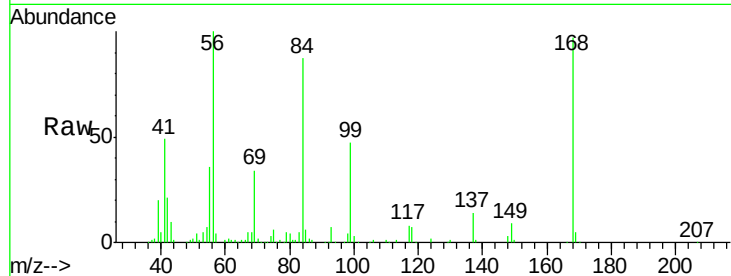
ClientSampleId :

S13-0263MS

Tot Ion:	56	Resp:	238155
Ion Ratio		Lower	Upper
56	100		
69	33.6	26.7	40.1
84	85.8	68.2	102.4

Manual Integrations
APPROVED

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9/10/2019 1:31:35 PM



#32

1,1,1-Trichloroethane

Concen: 45.840 ug/l

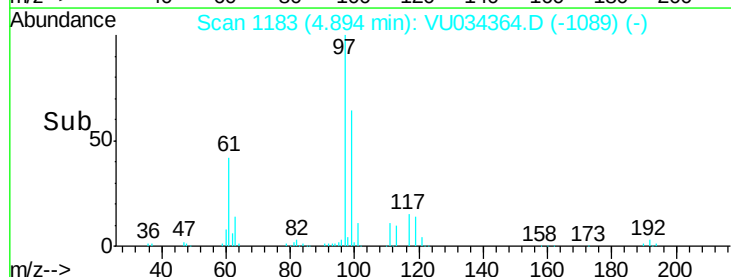
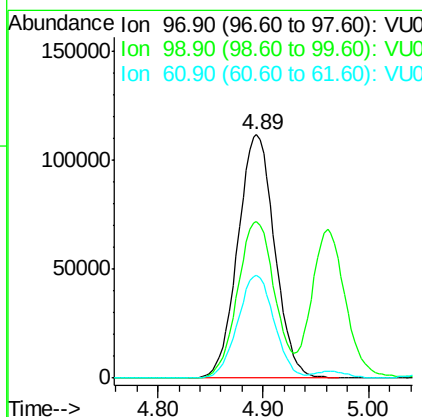
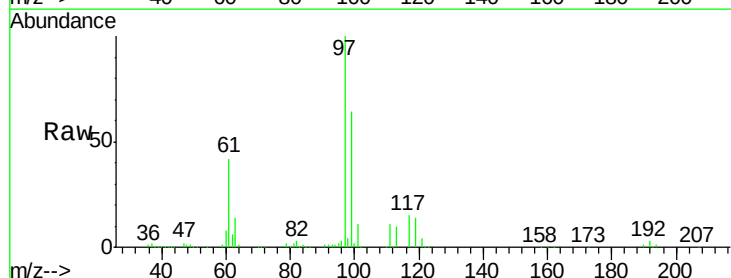
RT: 4.89 min Scan# 1183

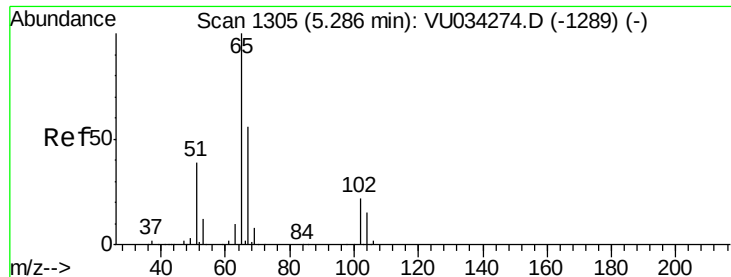
Delta R.T. 0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	97	Resp:	270911
Ion Ratio		Lower	Upper
97	100		
99	64.8	50.9	76.3
61	42.0	34.7	52.1





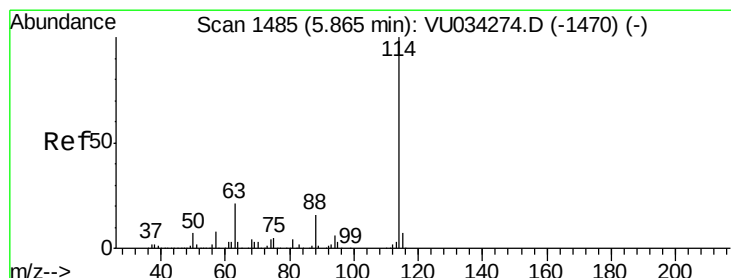
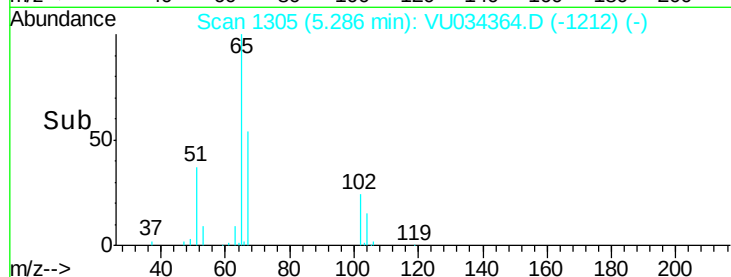
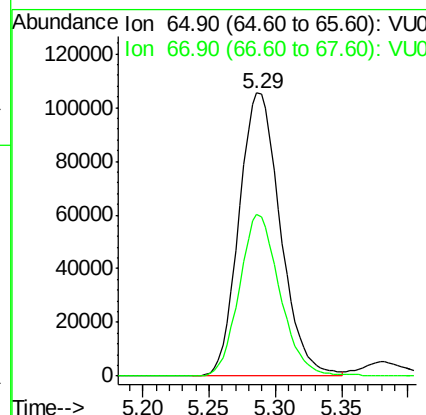
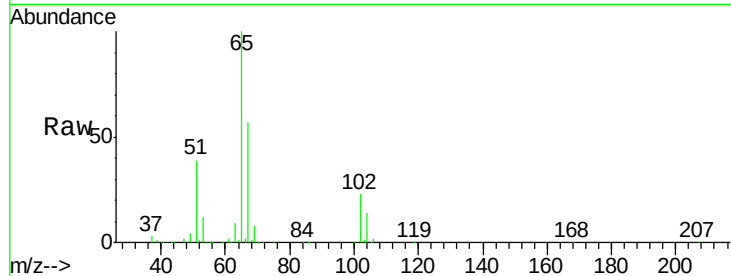
#33
 1,2-Dichloroethane-d4
 Concen: 50.285 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	228395		
67	56.1	0.0	112.4	

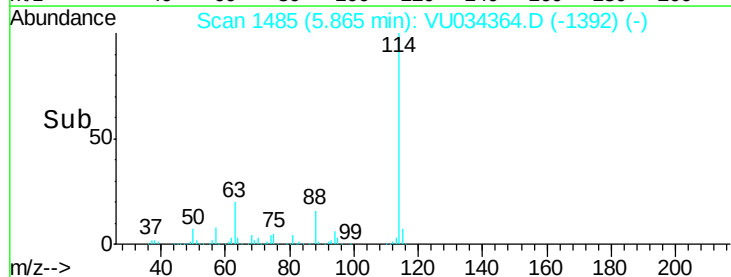
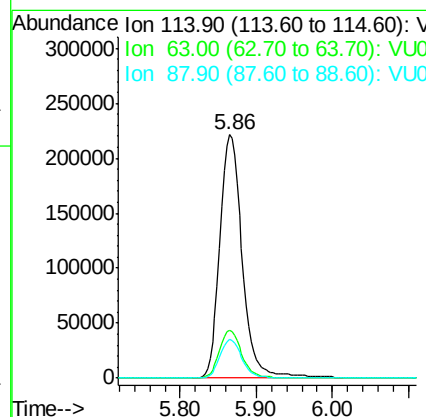
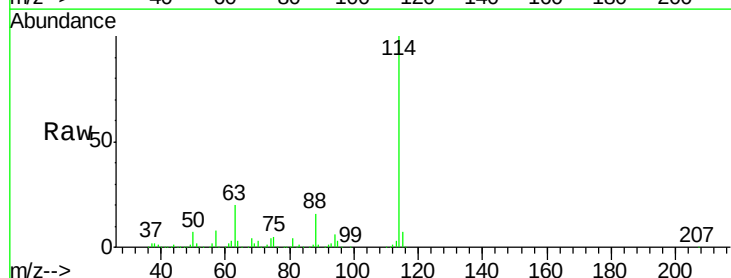
Manual Integrations
 APPROVED

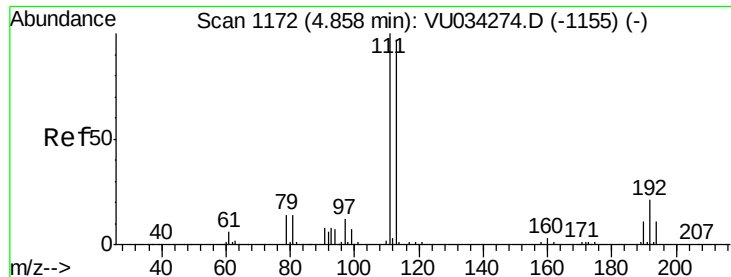
MMDadoda
 9/10/2019 1:31:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	454619		
63	19.7	0.0	42.4	
88	15.7	0.0	32.4	





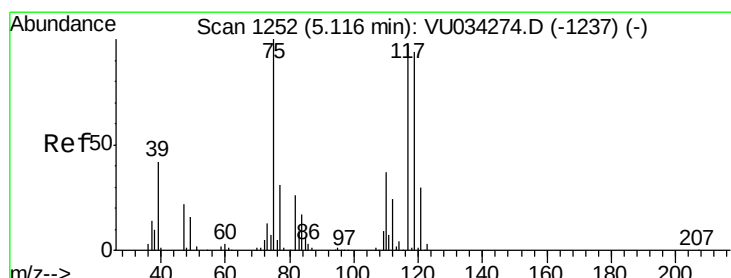
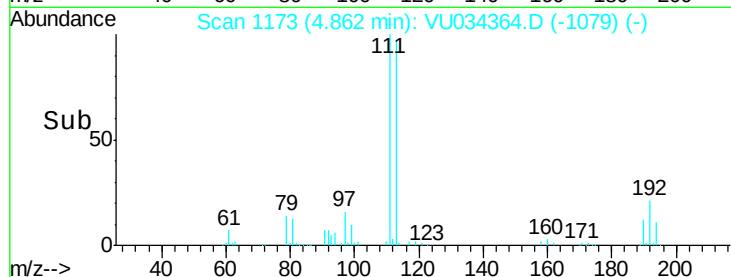
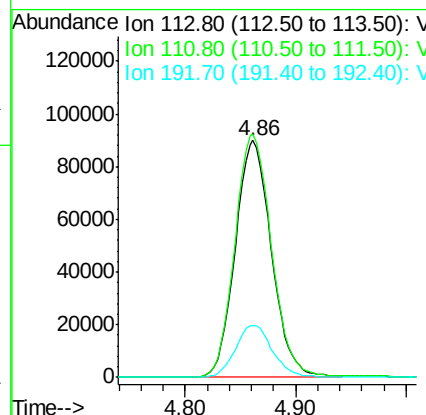
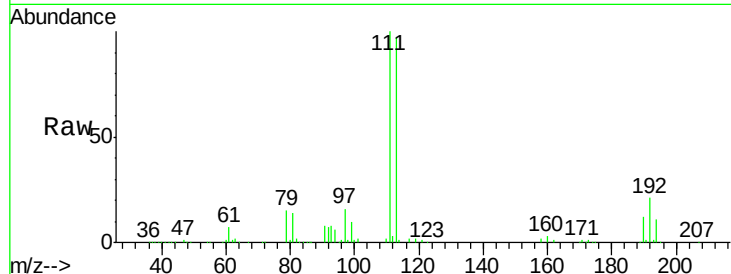
#35
 Dibromofluoromethane
 Concen: 48.448 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	204945		
111	104.0	81.5	122.3	
192	22.5	17.8	26.8	

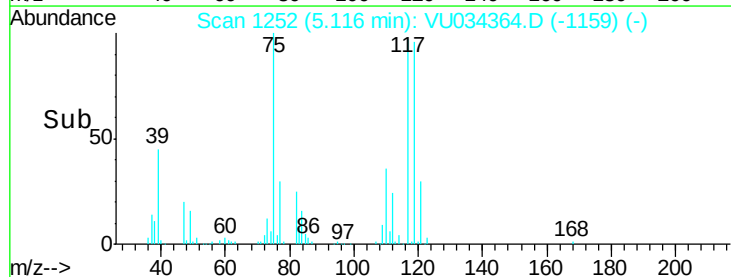
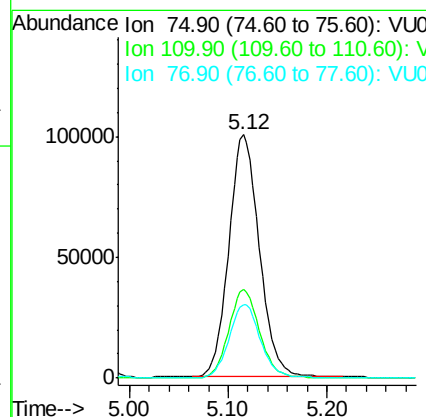
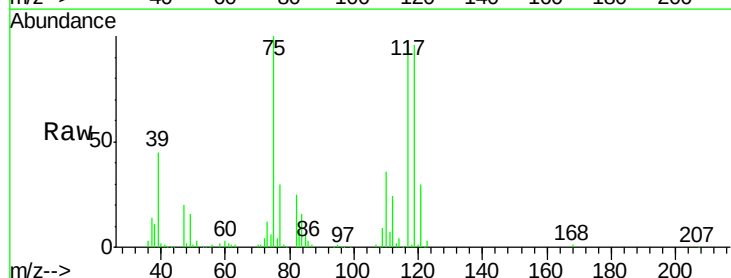
Manual Integrations
 APPROVED

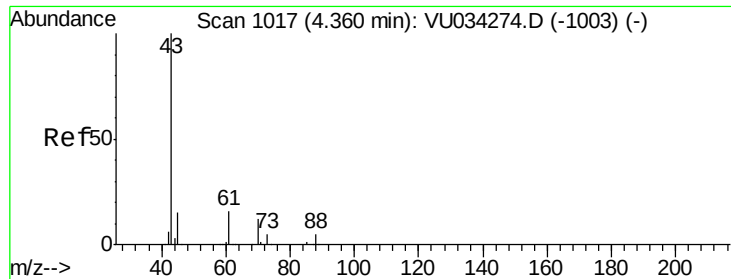
MMDadoda
 9/10/2019 1:31:35 PM



#36
 1,1-Dichloropropene
 Concen: 43.988 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	216879		
110	37.1	18.3	54.9	
77	30.5	24.9	37.3	





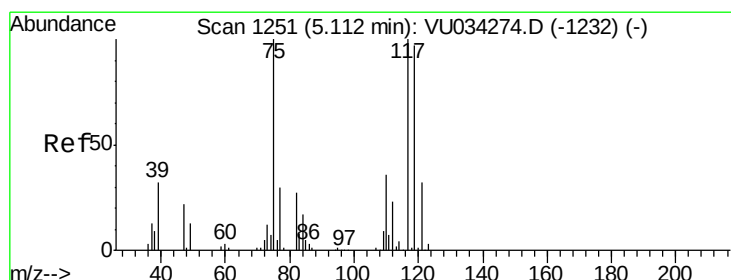
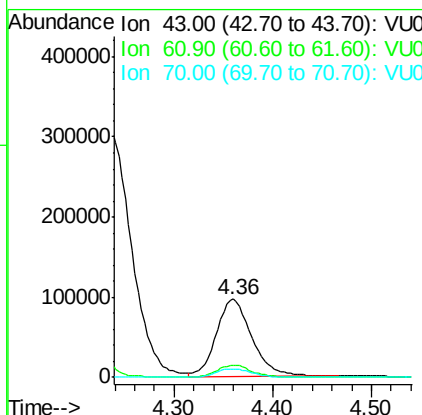
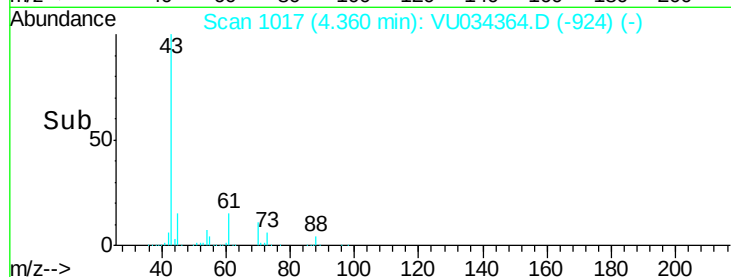
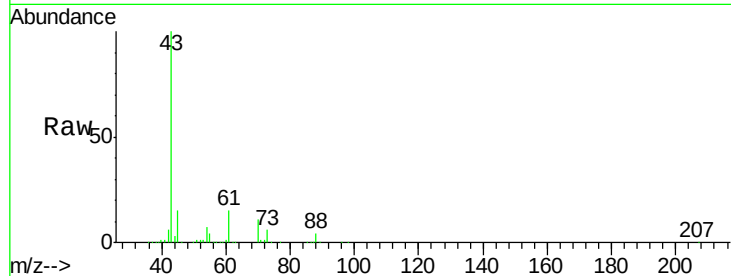
#37
Ethyl Acetate
Concen: 41.330 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

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

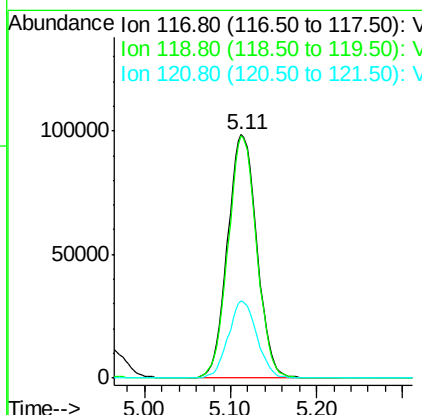
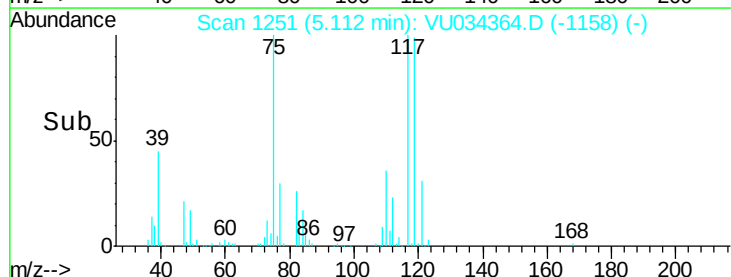
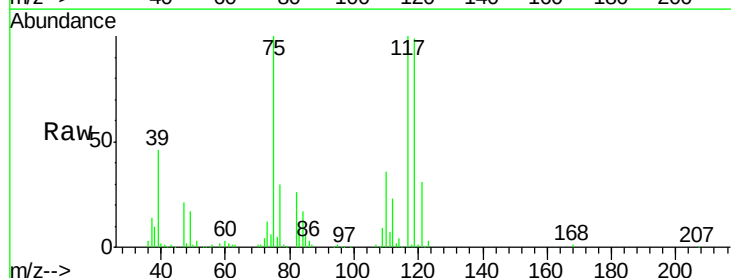
Manual Integrations
APPROVED

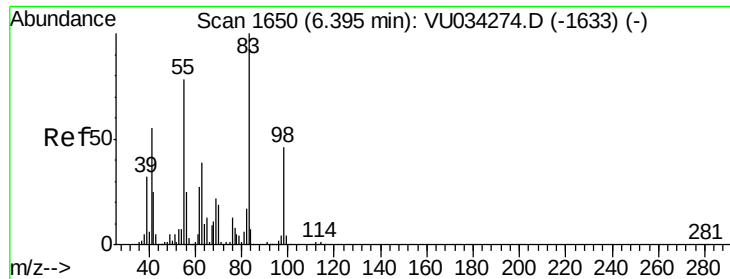
MMDadoda
9/10/2019 1:31:35 PM



#38
Carbon Tetrachloride
Concen: 44.288 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.8	116.6
121	31.5	25.2	37.8





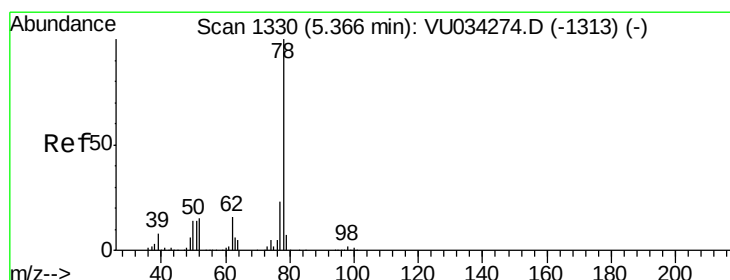
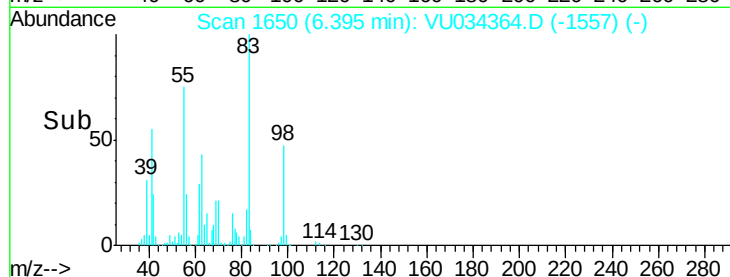
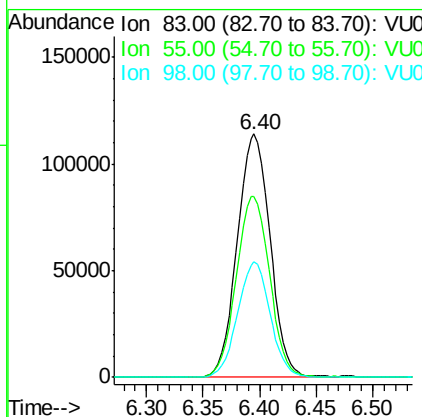
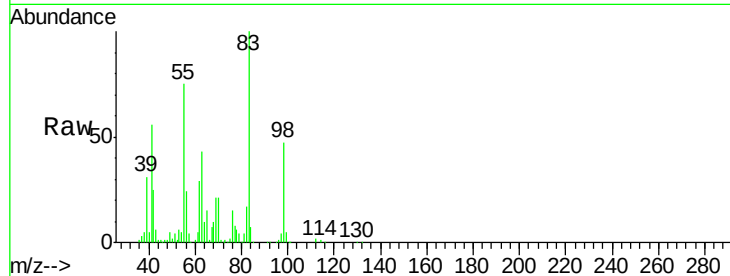
#39
Methylvlcyclohexane
Concen: 44.036 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.5	62.1	93.1
98	47.5	37.0	55.6

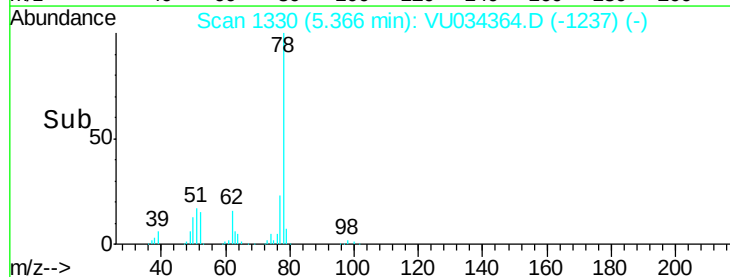
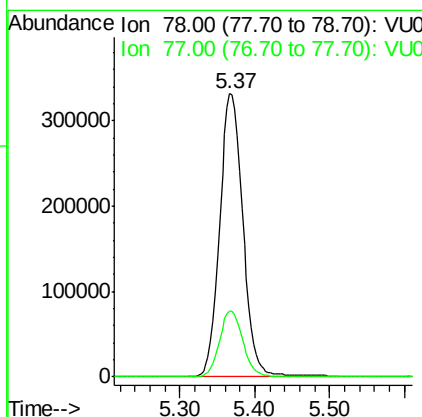
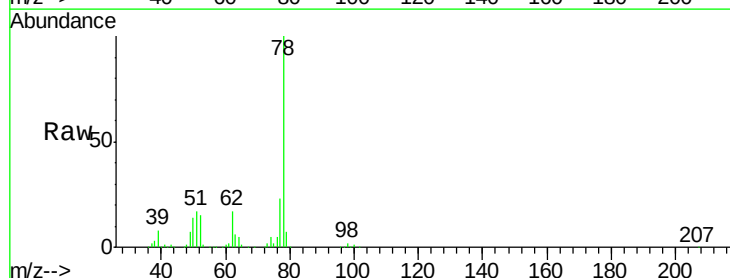
Manual Integrations
APPROVED

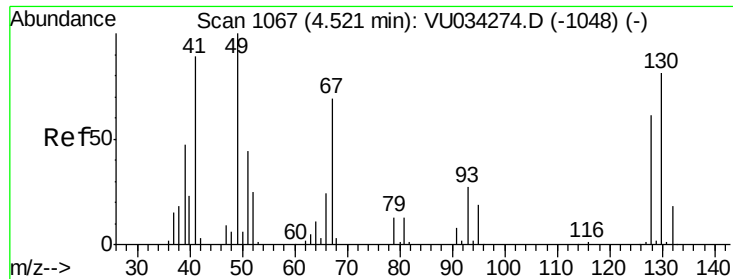
MMDadoda
9/10/2019 1:31:35 PM



#40
Benzene
Concen: 45.020 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1





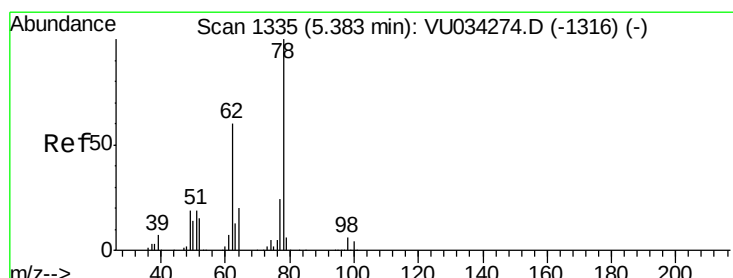
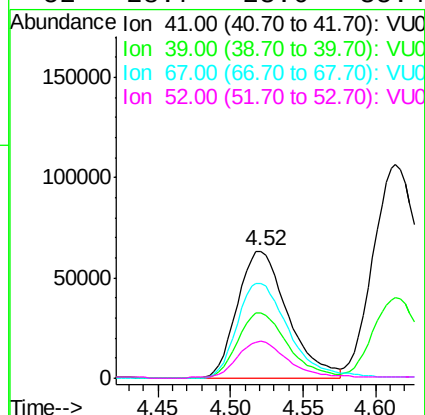
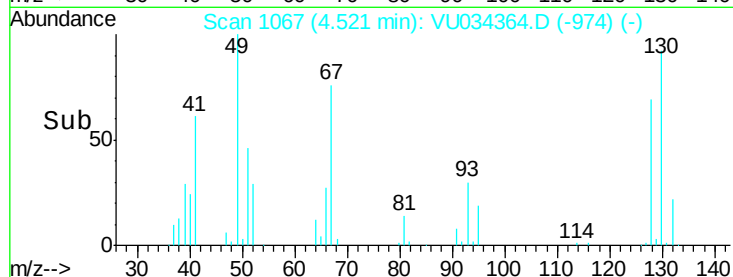
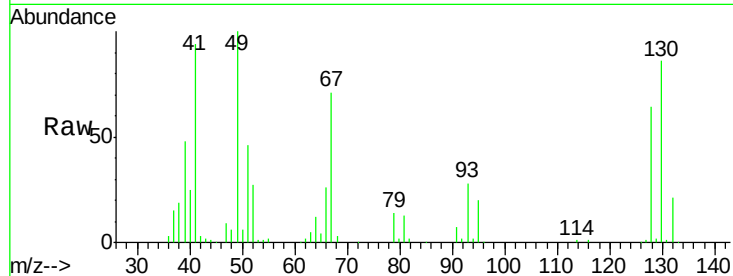
#41
Methacrylonitrile
Concen: 49.069 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	50.8	41.0	61.4		
67	78.2	62.4	93.6		
52	28.7	23.6	35.4		

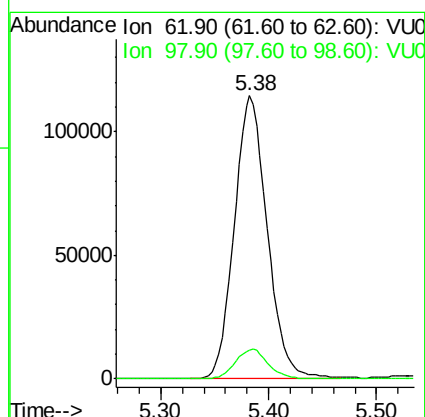
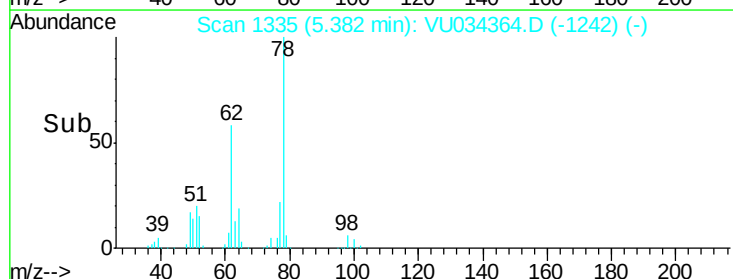
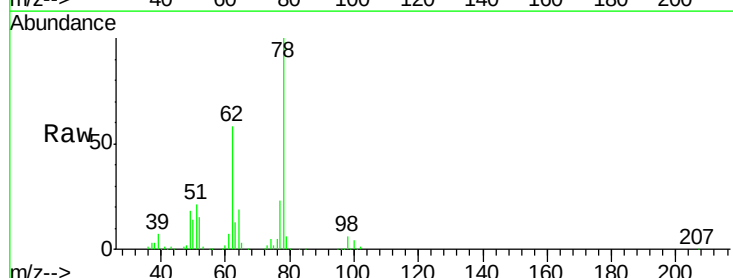
Manual Integrations
APPROVED

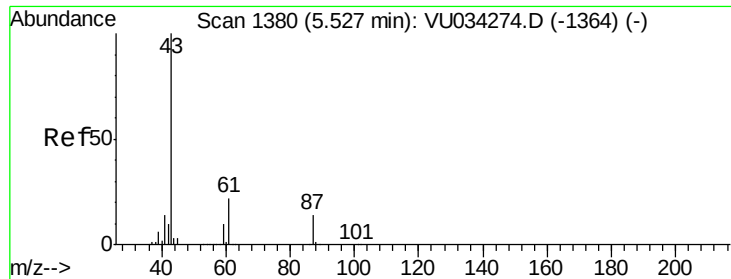
MMDadoda
9/10/2019 1:31:35 PM



#42
1,2-Dichloroethane
Concen: 44.143 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.7	0.0	20.0		





#43

Isopropyl Acetate

Concen: 44.036 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

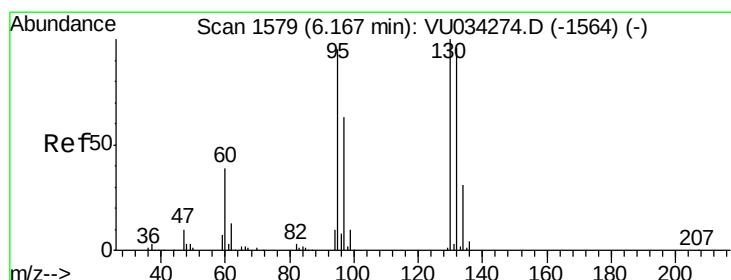
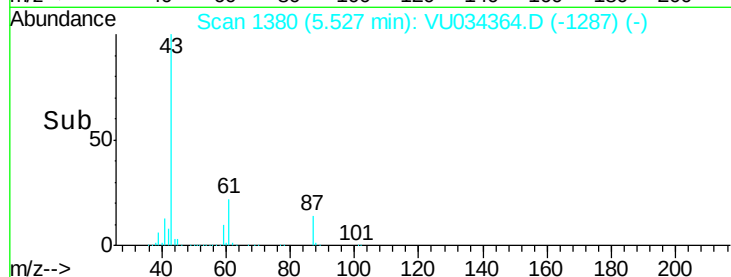
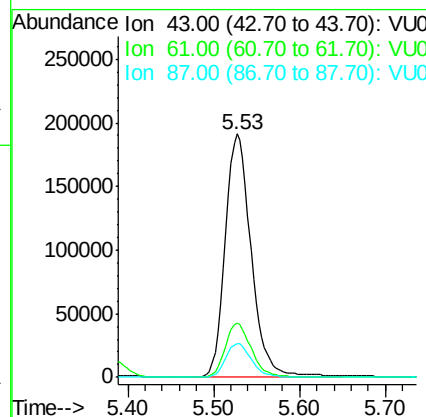
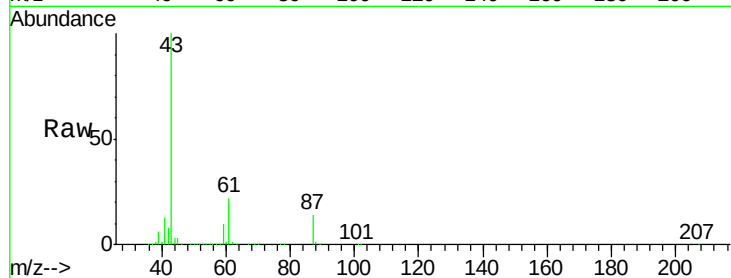
ClientSampleId :

S13-0263MS

Tot Ion:	43	Resp:	400447
Ion	Ratio	Lower	Upper
43	100		
61	22.6	17.1	25.7
87	14.1	11.1	16.7

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#44

Trichloroethene

Concen: 46.266 ug/l

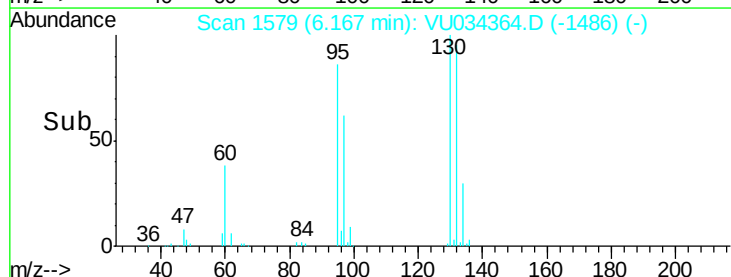
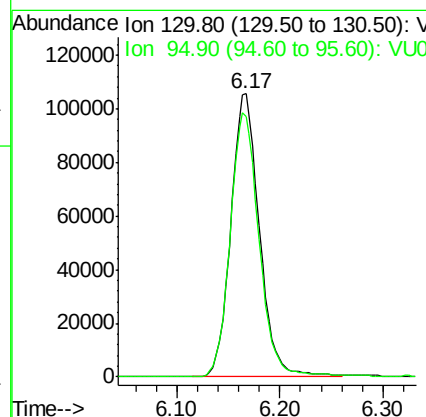
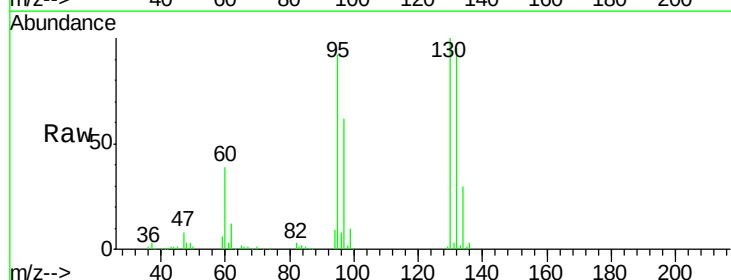
RT: 6.17 min Scan# 1579

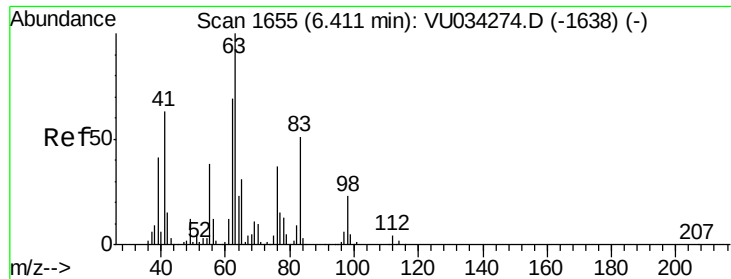
Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	130	Resp:	203680
Ion	Ratio	Lower	Upper
130	100		
95	92.2	0.0	189.2





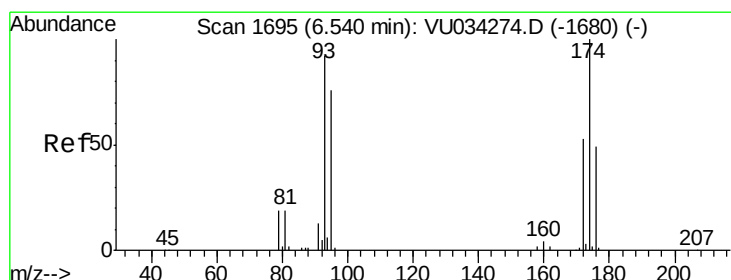
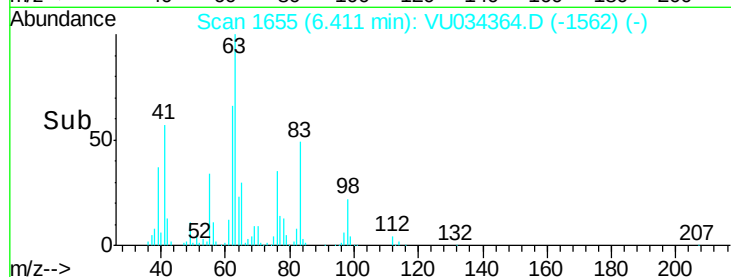
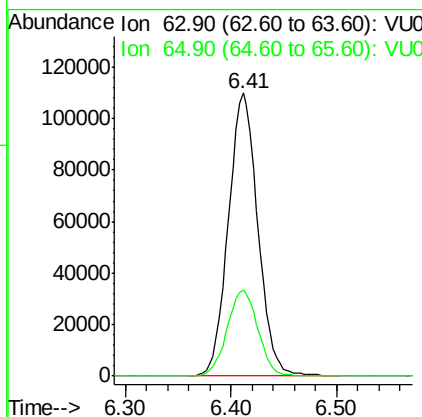
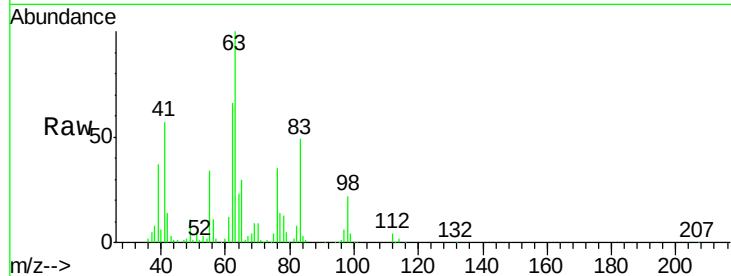
#45
 1,2-Dichloropropane
 Concen: 45.669 ug/l
 RT: 6.41 min Scan# 1655
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion: 63 Resp: 212400
 Ion Ratio Lower Upper
 63 100
 65 30.3 24.6 37.0

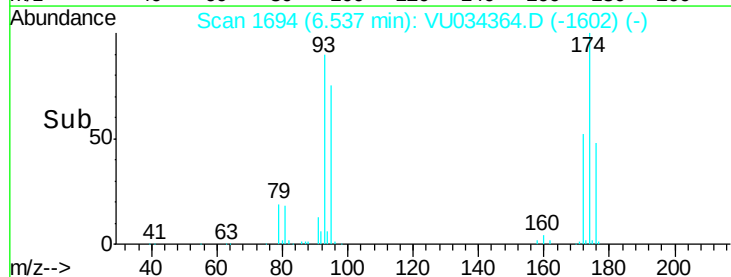
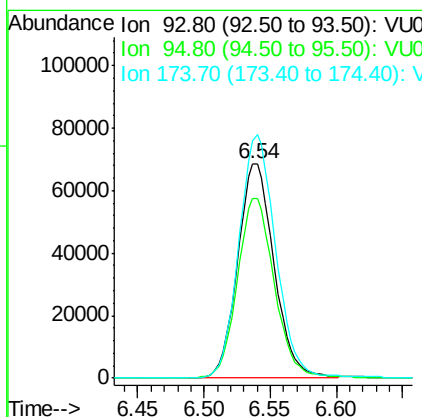
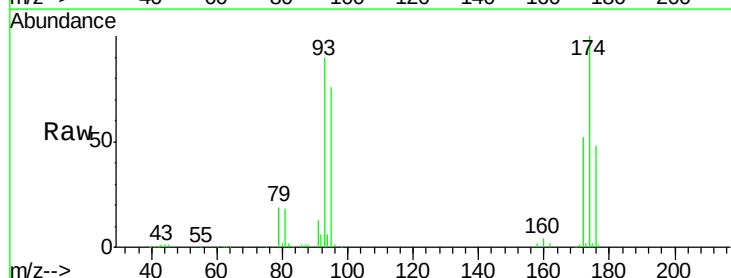
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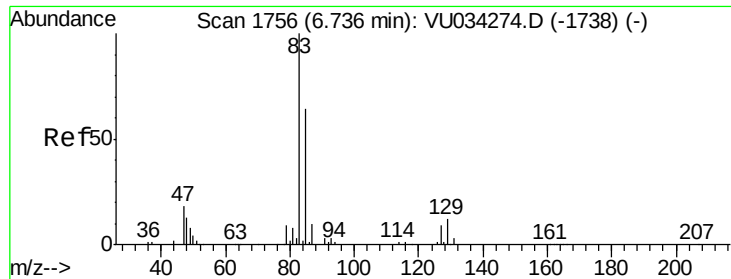
MMDadoda
 9/10/2019 1:31:35 PM



#46
 Dibromomethane
 Concen: 45.024 ug/l
 RT: 6.54 min Scan# 1694
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 93 Resp: 131442
 Ion Ratio Lower Upper
 93 100
 95 85.1 66.5 99.7
 174 114.3 87.8 131.6





#47

Bromodichloromethane

Concen: 44.566 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

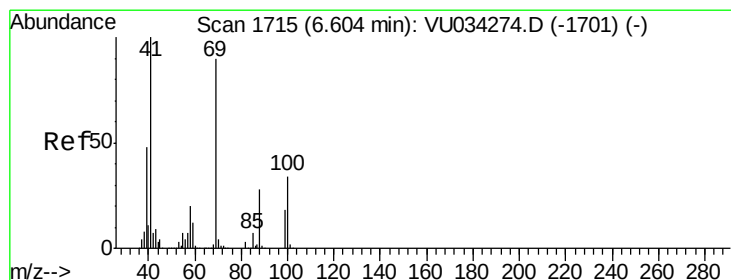
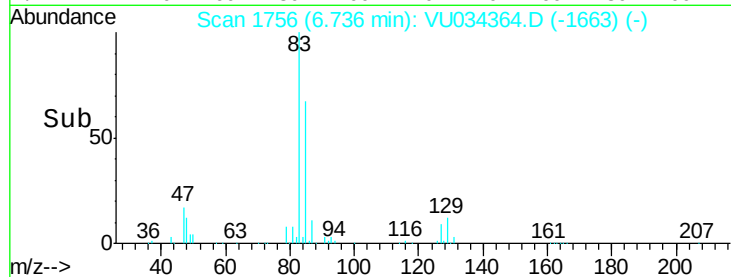
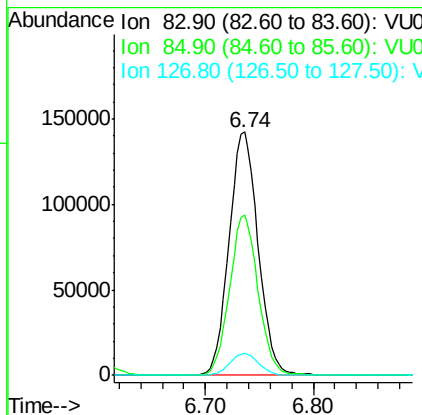
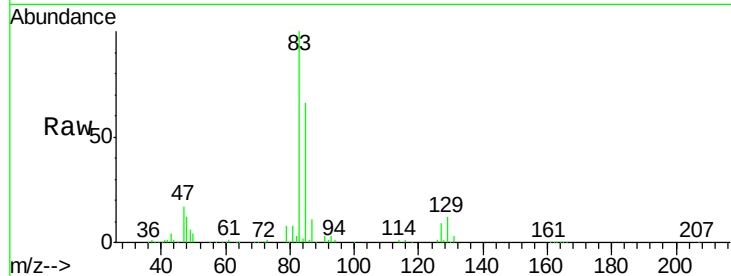
ClientSampleId :

S13-0263MS

Tot Ion:	83	Resp:	267810
Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.1	76.7
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 46.704 ug/l

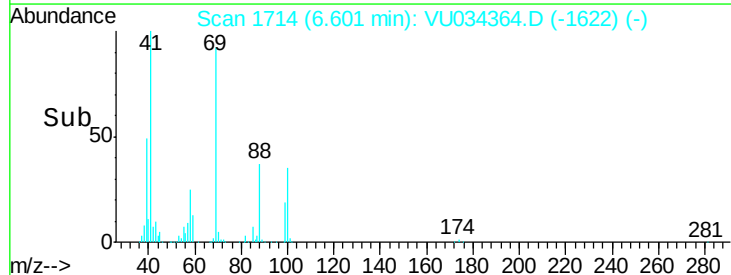
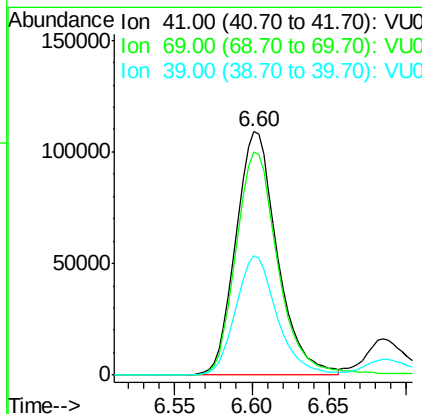
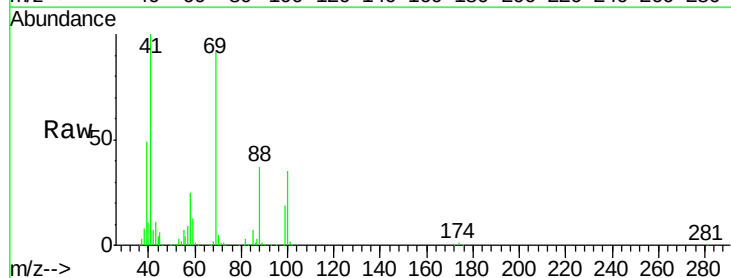
RT: 6.60 min Scan# 1714

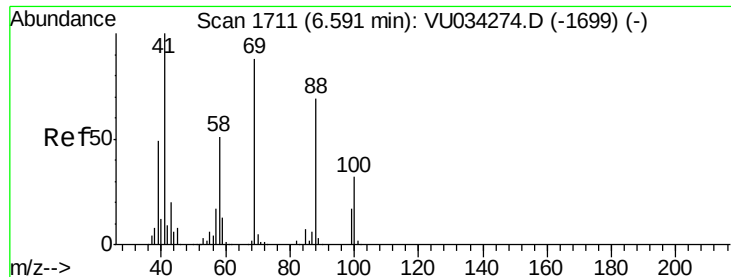
Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion:	41	Resp:	201720
Ion	Ratio	Lower	Upper
41	100		
69	93.9	72.8	109.2
39	48.6	38.6	58.0





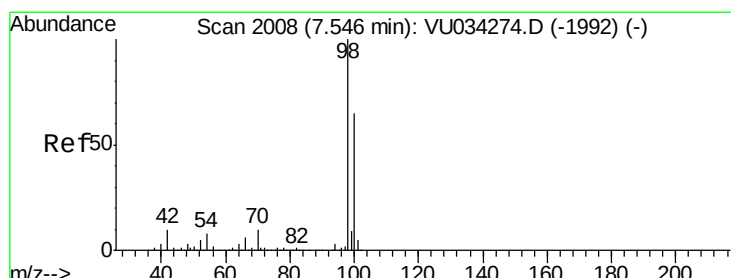
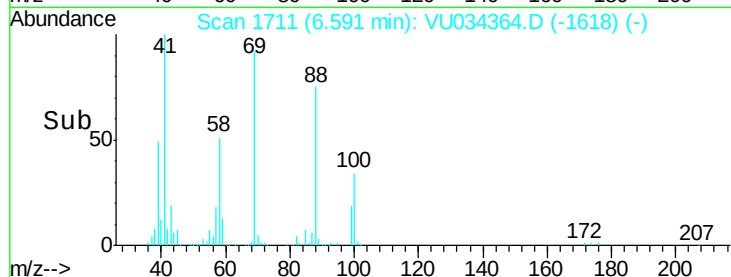
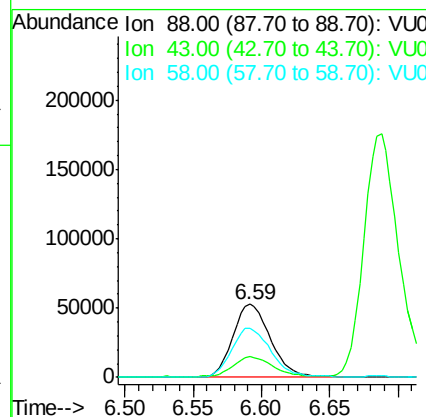
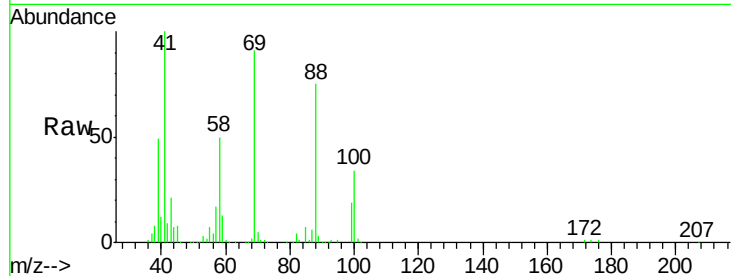
#49
1,4-Dioxane
Concen: 1065.069 ug/l
RT: 6.59 min Scan# 1711
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.7	23.8	35.6
58	71.3	58.4	87.6

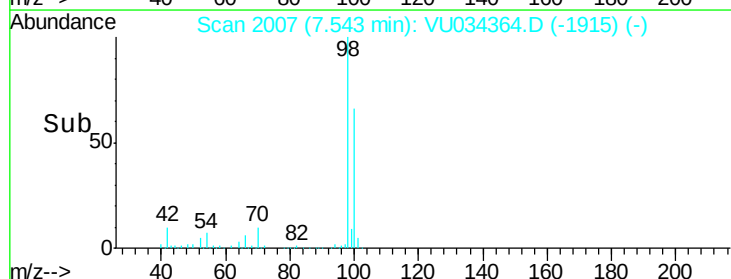
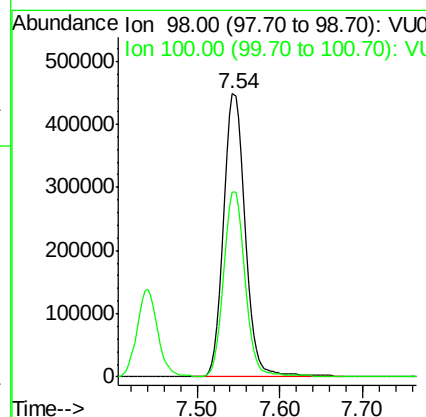
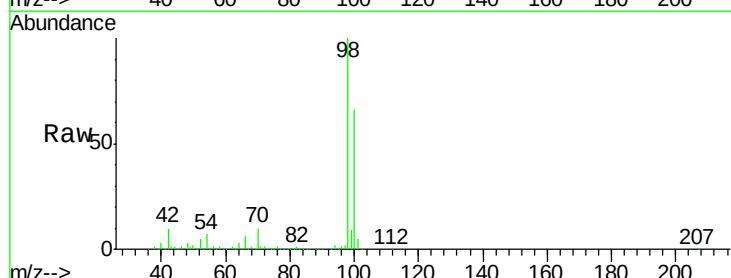
Manual Integrations
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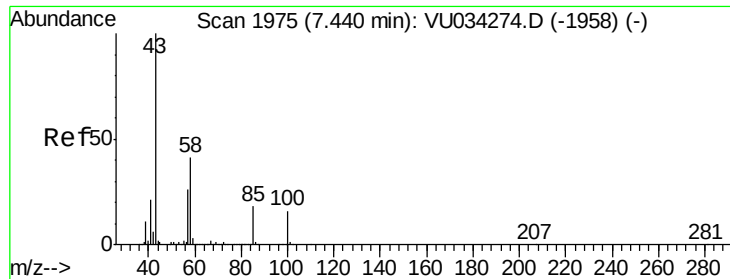
MMDadoda
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#50
Toluene-d8
Concen: 51.052 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





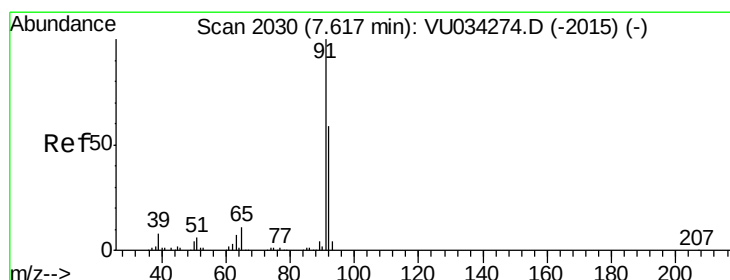
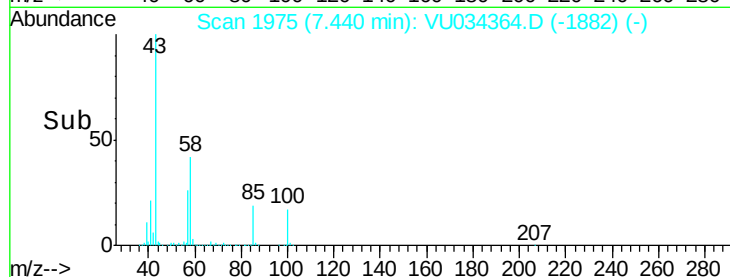
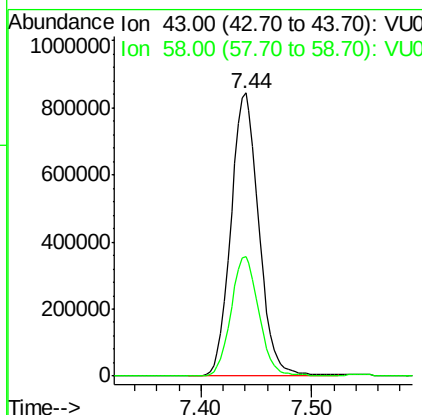
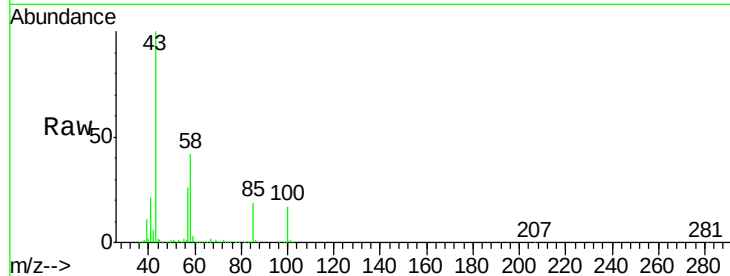
#51
 4-Methyl-2-Pentanone
 Concen: 235.432 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleID :
 S13-0263MS

Tot Ion: 43 Resp: 1481956
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.0 49.4

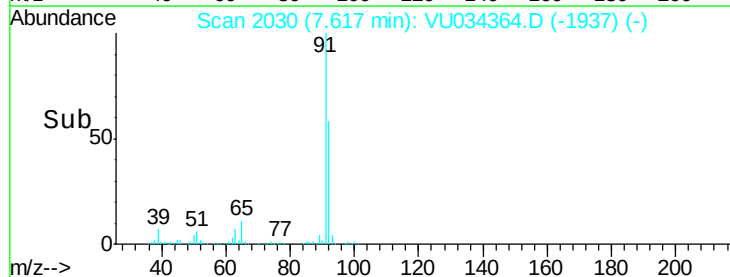
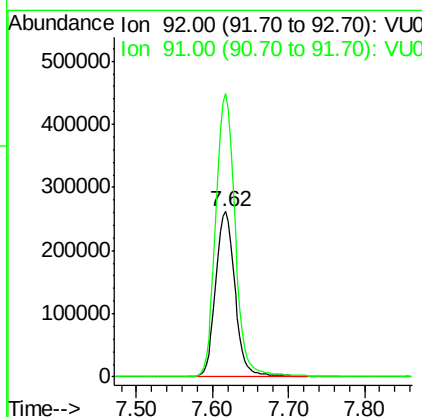
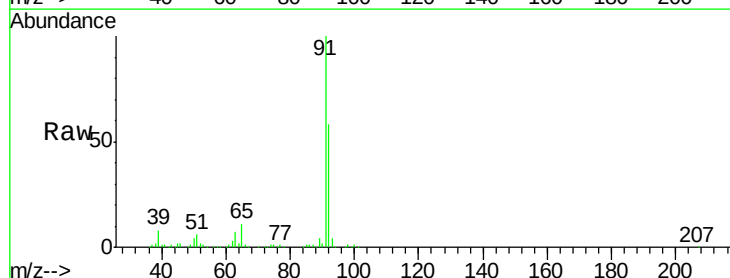
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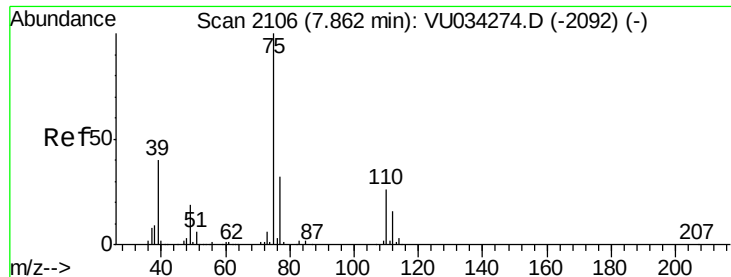
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#52
 Toluene
 Concen: 46.605 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion: 92 Resp: 465116
 Ion Ratio Lower Upper
 92 100
 91 171.3 136.6 205.0





#53

t-1,3-Dichloropropene

Concen: 45.151 ug/l

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 75 Resp: 281268

Ion Ratio Lower Upper

75 100

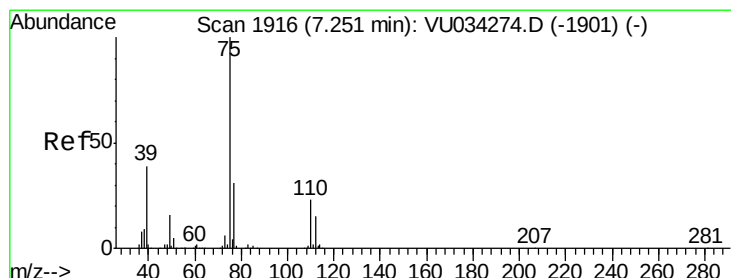
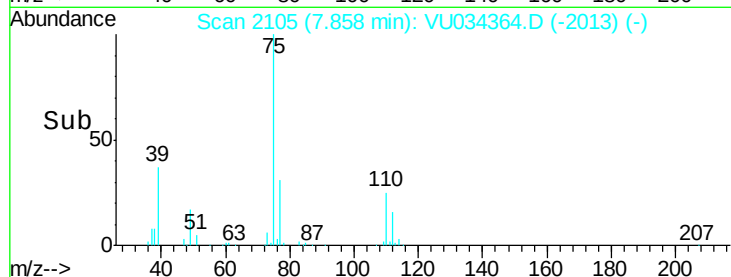
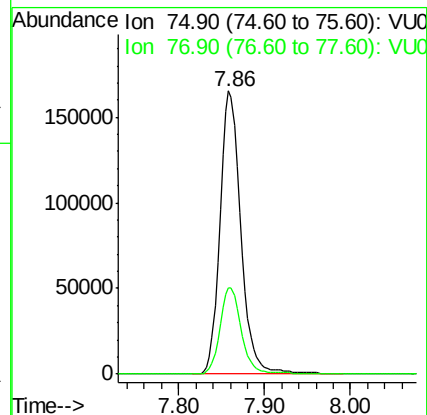
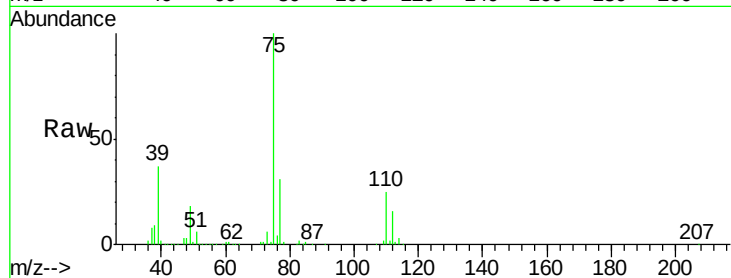
77 30.6 25.7 38.5

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 44.598 ug/l

RT: 7.25 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

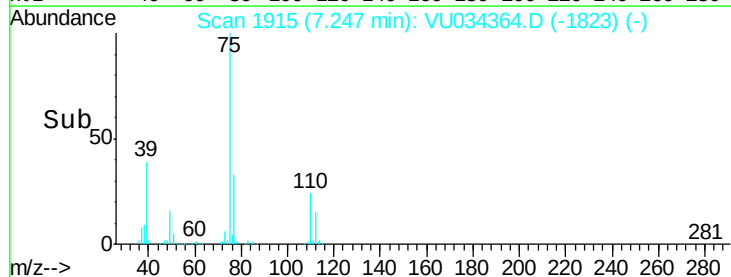
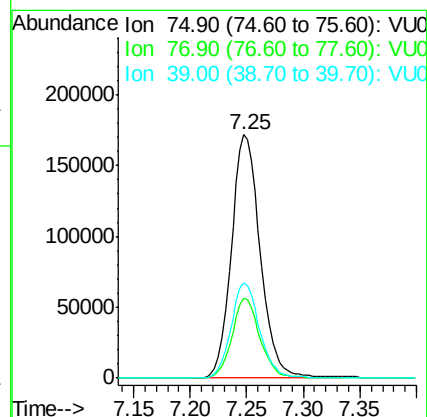
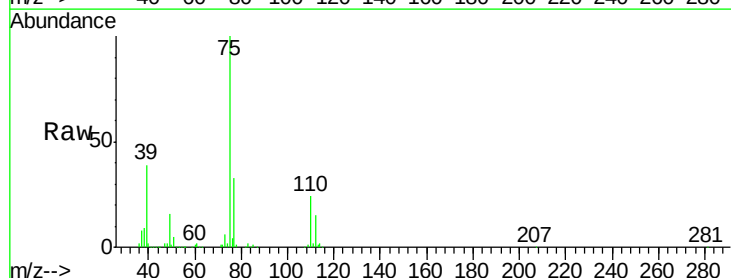
Tgt Ion: 75 Resp: 304915

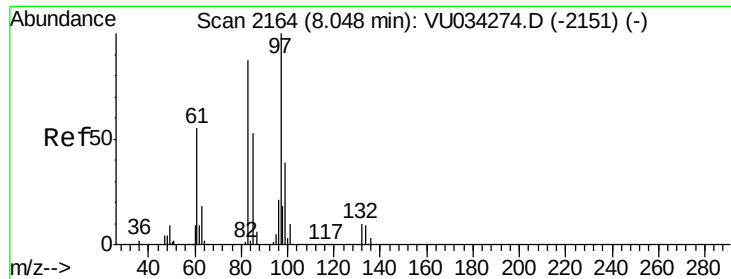
Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7

39 39.0 31.2 46.8





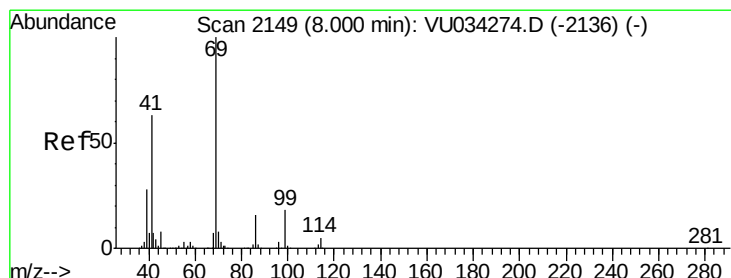
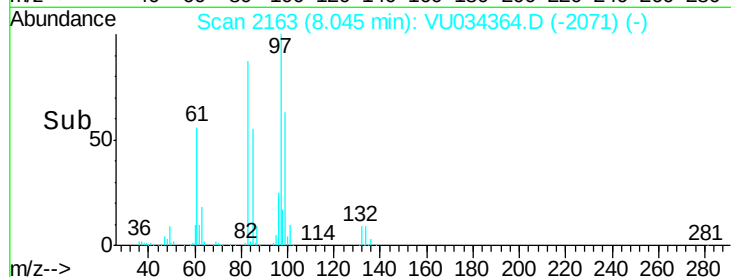
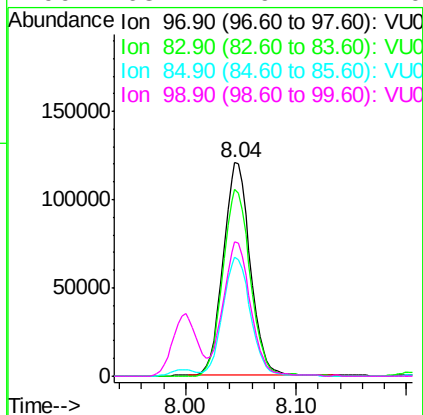
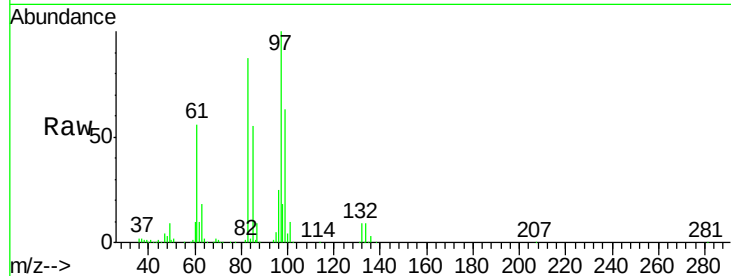
#55
 1,1,2-Trichloroethane
 Concen: 45.132 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	97	Resp	204522
Ion	Ratio	Lower	Upper
97	100		
83	87.8	69.0	103.6
85	55.5	44.2	66.2
99	63.1	49.4	74.0

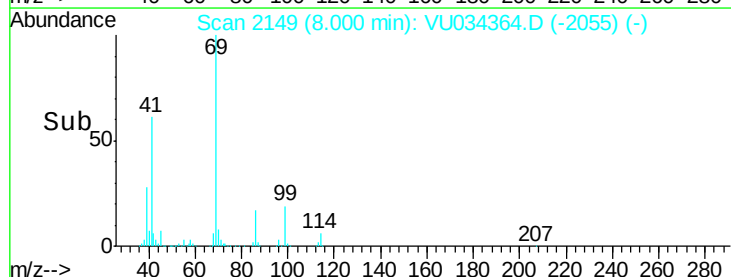
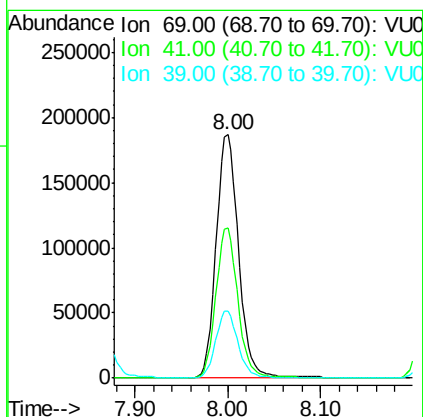
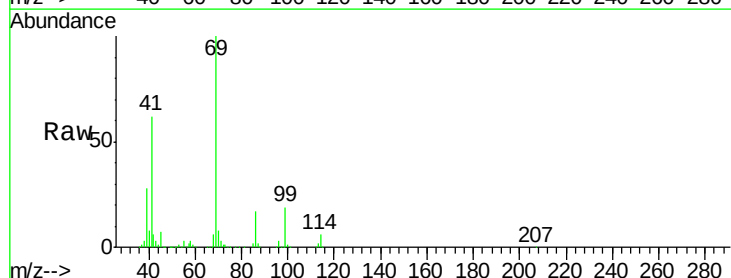
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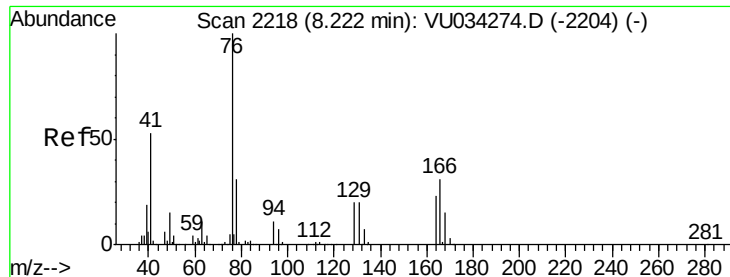
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#56
 Ethyl methacrylate
 Concen: 45.948 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	69	Resp	314512
Ion	Ratio	Lower	Upper
69	100		
41	60.2	49.5	74.3
39	26.8	22.5	33.7





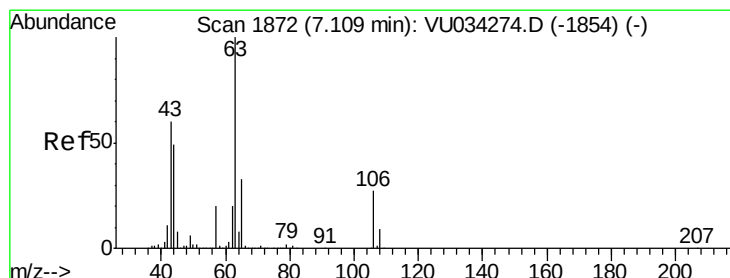
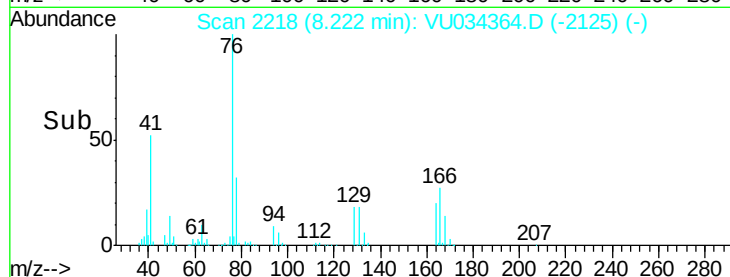
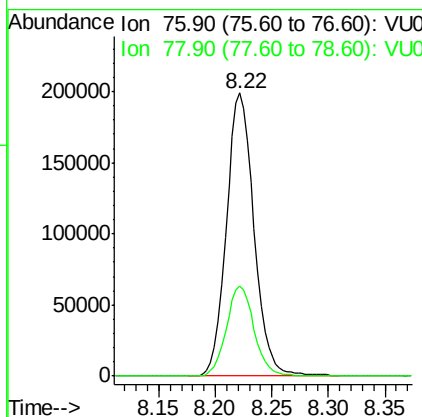
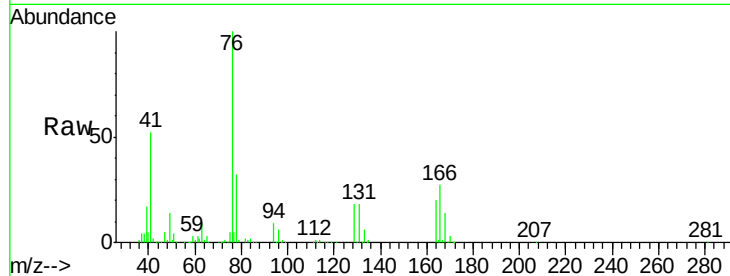
#57
 1,3-Dichloropropane
 Concen: 45.806 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.4	38.2

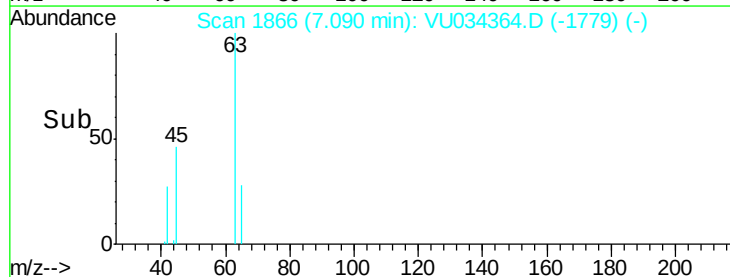
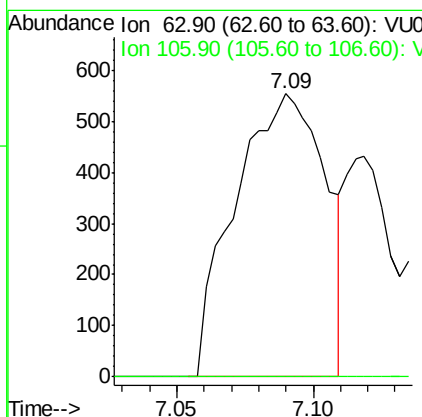
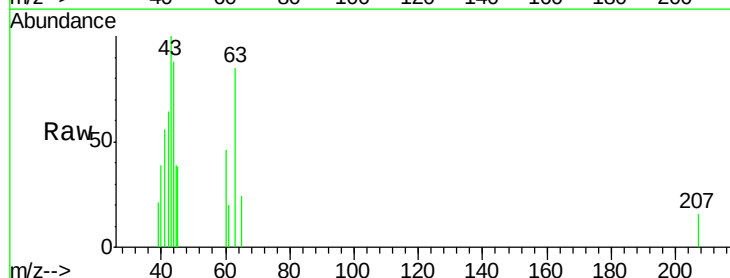
Manual Integrations
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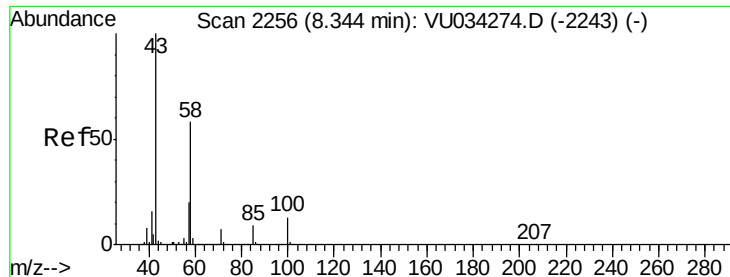
MMDadoda
 9/10/2019 1:31:35 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 17.124 ug/l
 RT: 7.09 min Scan# 1866
 Delta R.T. -0.02 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

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





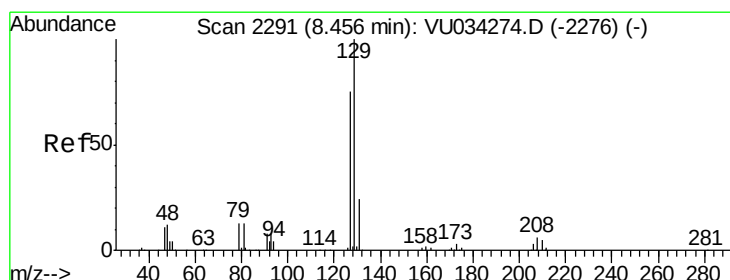
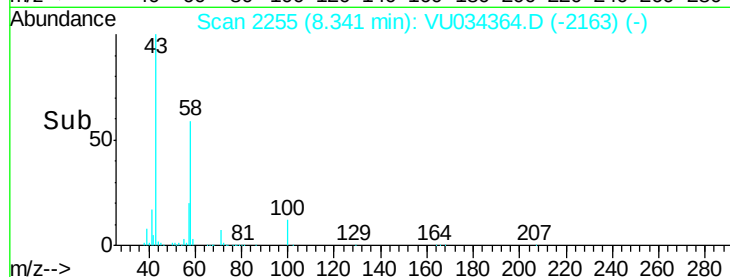
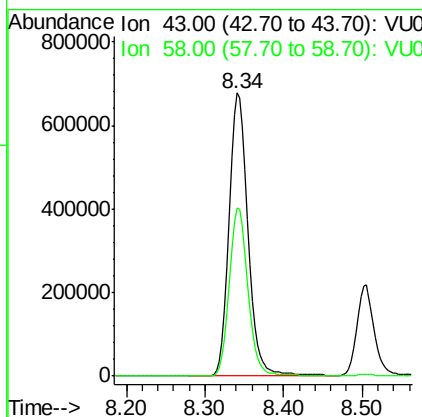
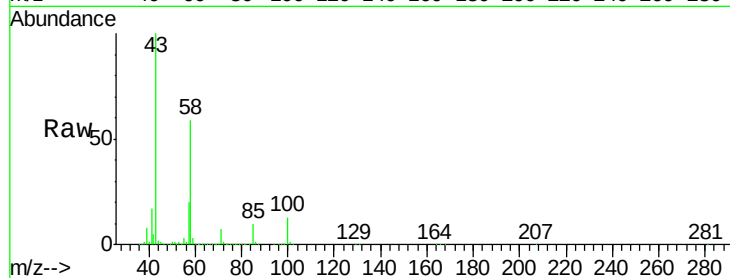
#59
2-Hexanone
Concen: 238.906 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion: 43 Resp: 1123433
Ion Ratio Lower Upper
43 100
58 59.1 28.8 86.5

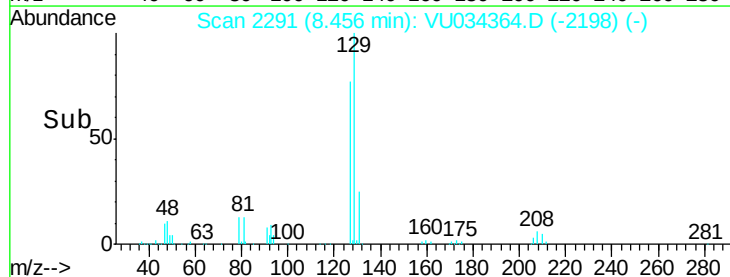
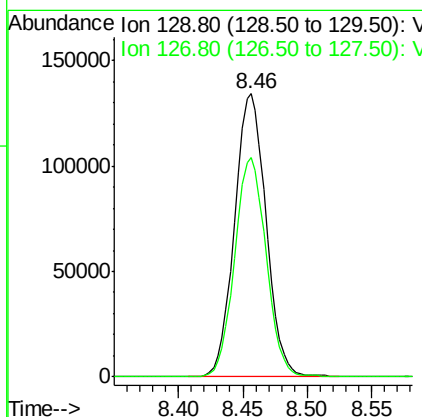
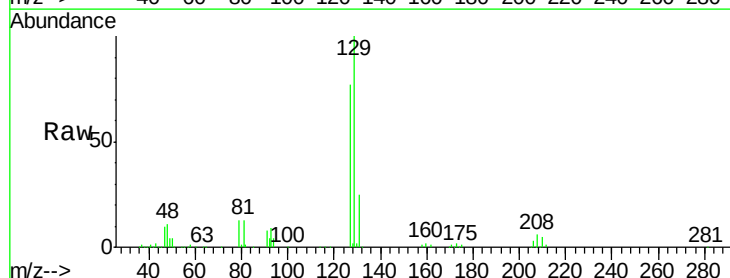
Manual Integrations
APPROVED

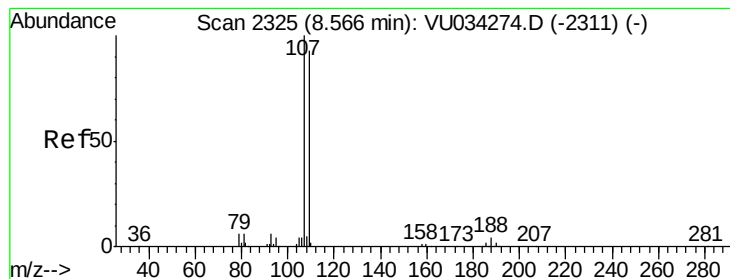
MMDadoda
9/10/2019 1:31:35 PM



#60
Dibromochloromethane
Concen: 47.011 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion: 129 Resp: 228500
Ion Ratio Lower Upper
129 100
127 77.6 37.9 113.7





#61

1,2-Dibromoethane

Concen: 46.536 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampled :

S13-0263MS

Tot Ion: 107 Resp: 206408

Ion Ratio Lower Upper

107 100

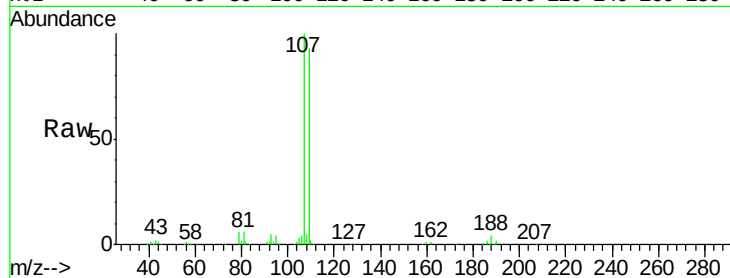
109 95.6 75.0 112.6

Manual Integrations

APPROVED

MMDadoda

9/10/2019 1:31:35 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

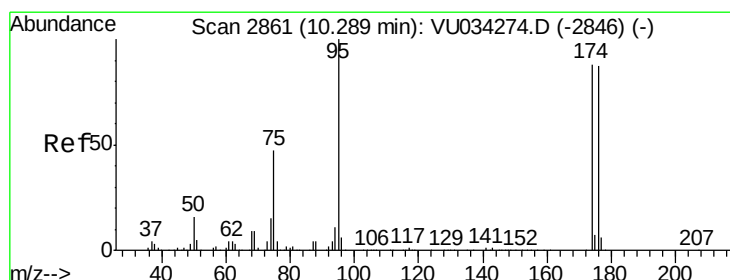
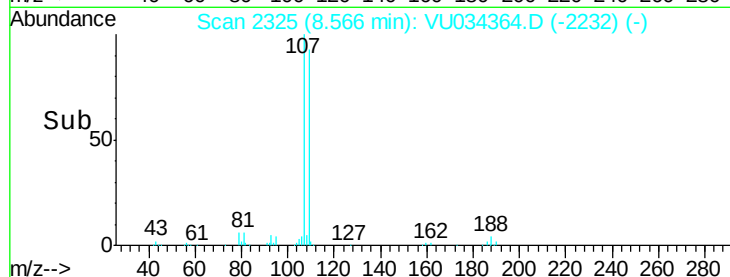
8.57

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.176 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

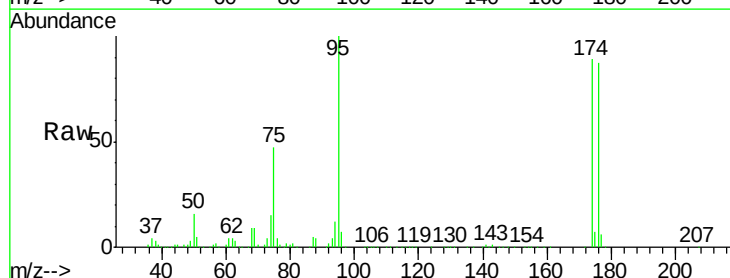
Tgt Ion: 95 Resp: 307892

Ion Ratio Lower Upper

95 100

174 88.9 0.0 175.2

176 86.9 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

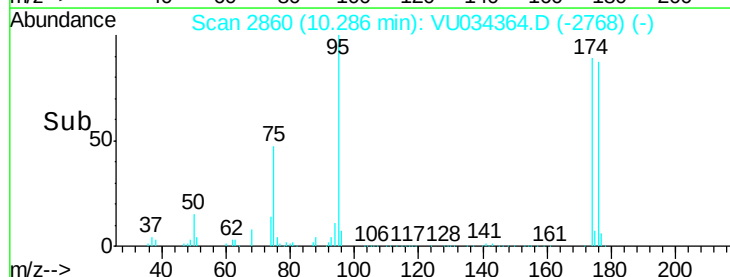
150000

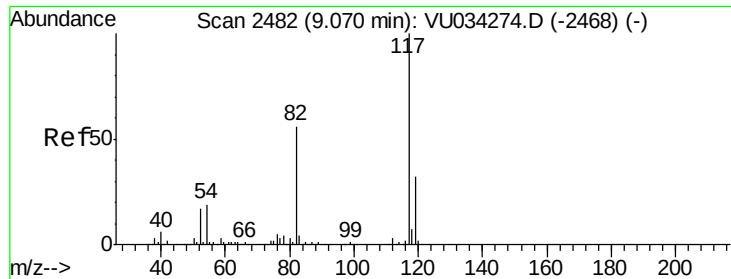
100000

50000

0

Time-->





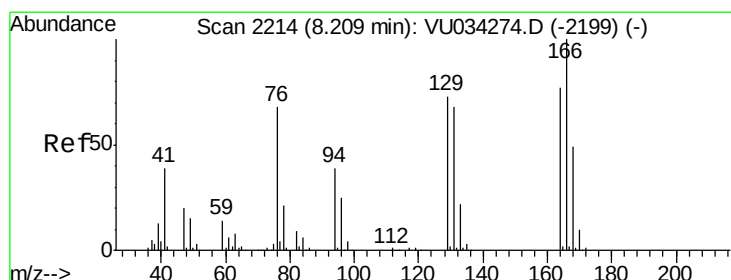
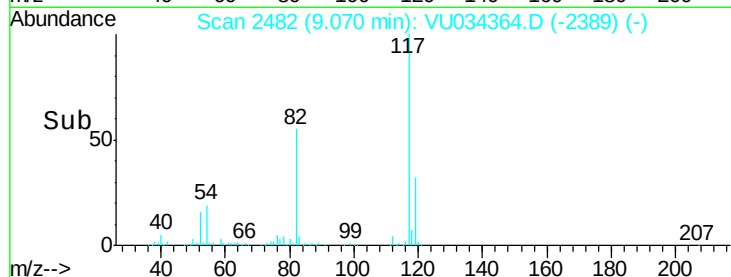
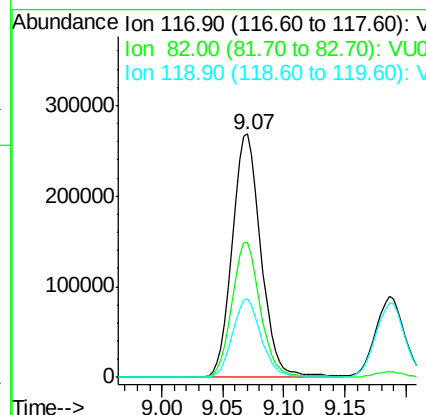
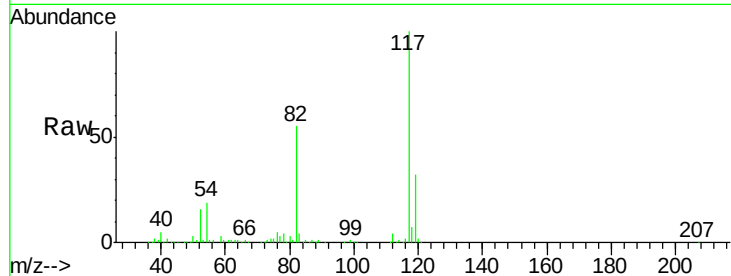
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	443703		
82	55.5		44.6	67.0
119	32.1		25.9	38.9

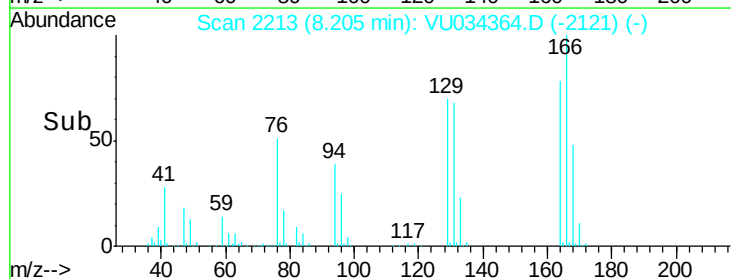
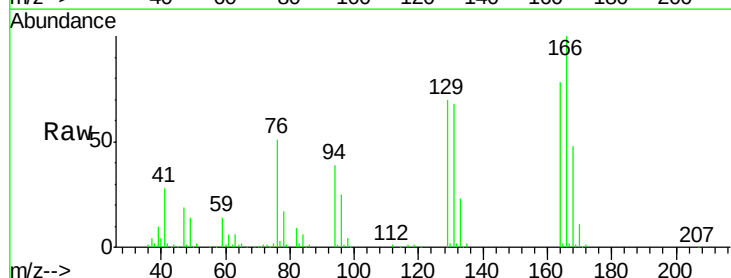
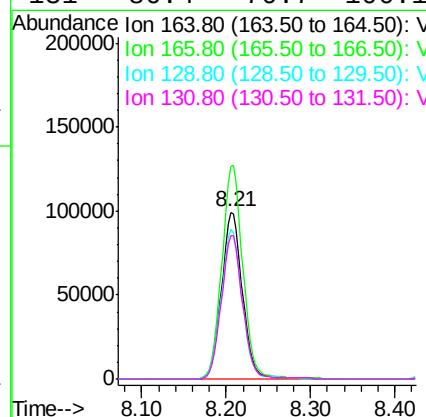
Manual Integrations
APPROVED

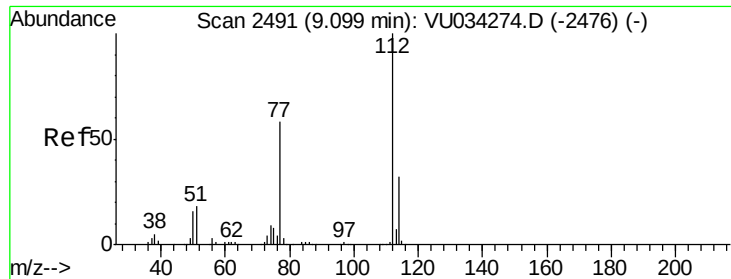
MMDadoda
9/10/2019 1:31:35 PM



#64
Tetrachloroethene
Concen: 44.498 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	171289		
166	127.8		103.7	155.5
129	89.8		75.8	113.8
131	86.4		70.7	106.1





#65

Chlorobenzene

Concen: 48.516 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion:112 Resp: 546136

Ion Ratio Lower Upper

112 100

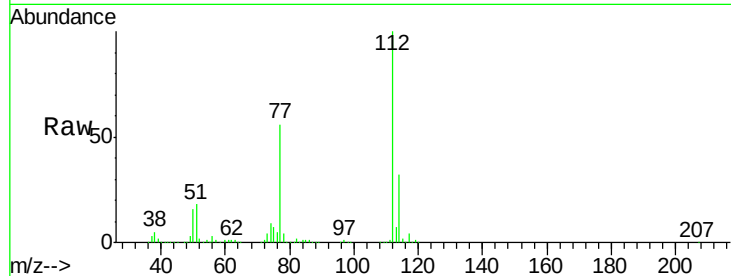
114 32.1 25.9 38.9

Manual Integrations

APPROVED

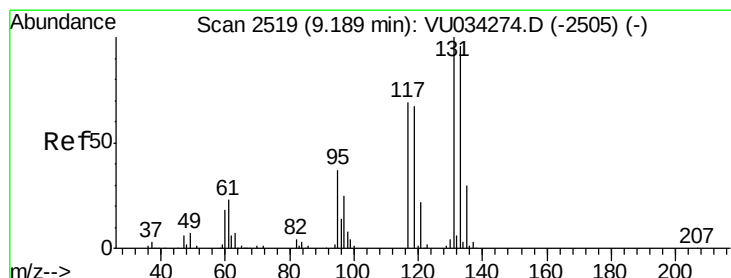
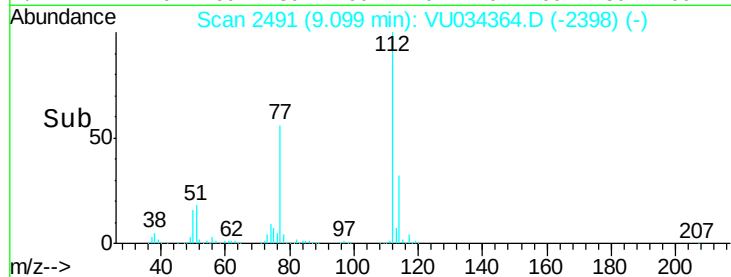
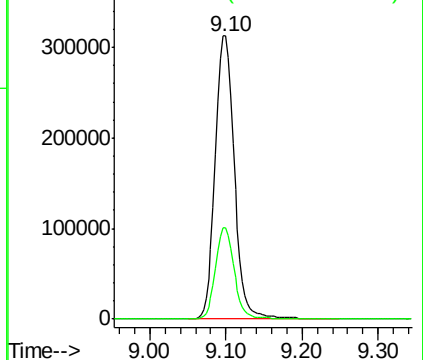
MMDadoda

9/10/2019 1:31:35 PM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 47.260 ug/l

RT: 9.19 min Scan# 2518

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

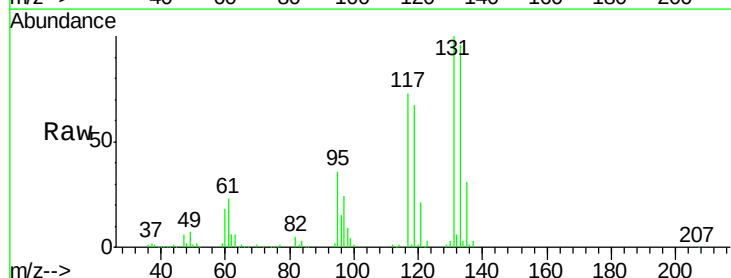
Tgt Ion:131 Resp: 203029

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.7

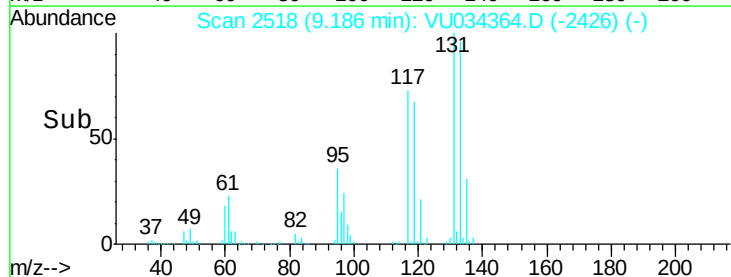
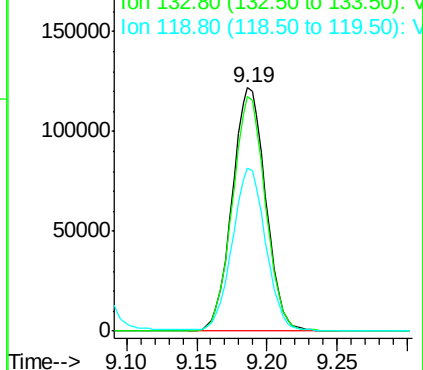
119 66.5 33.1 99.5

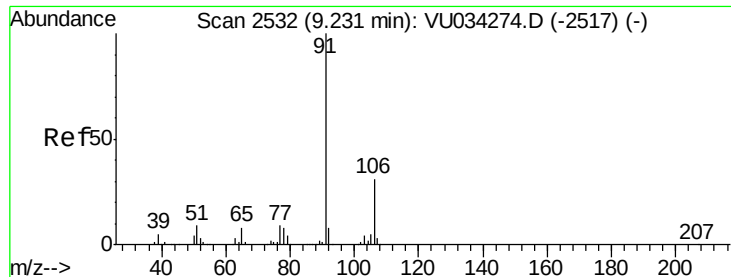


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





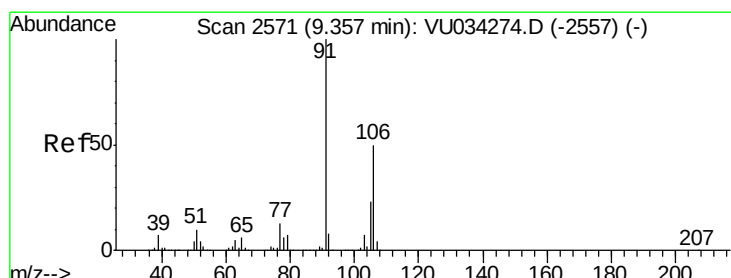
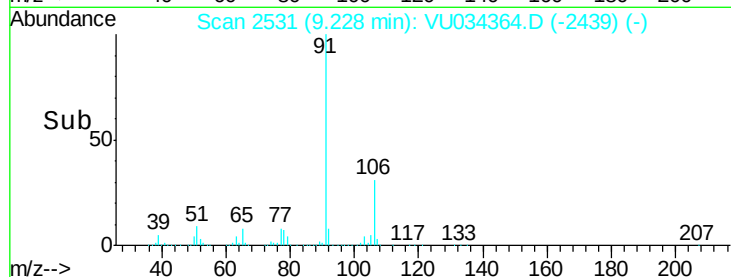
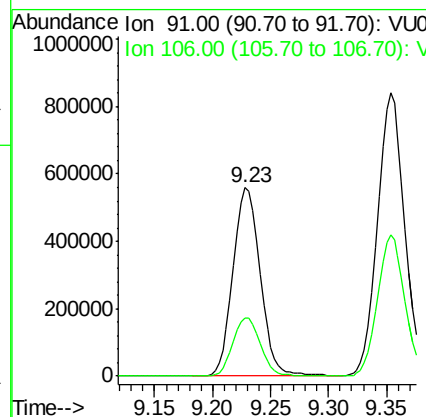
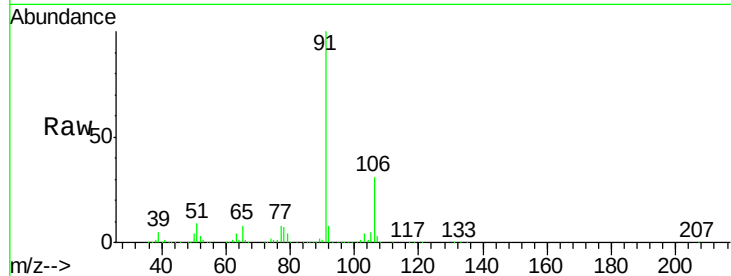
#67
Ethyl Benzene
Concen: 49.541 ug/l
RT: 9.23 min Scan# 2531
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.8	37.2

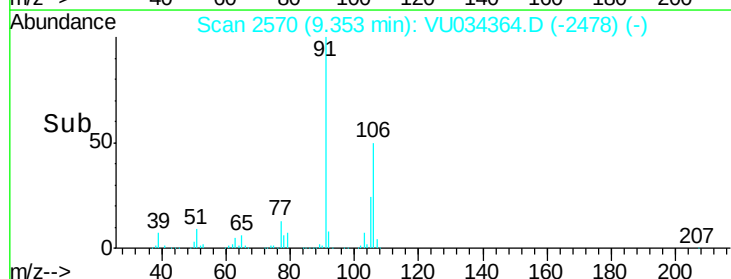
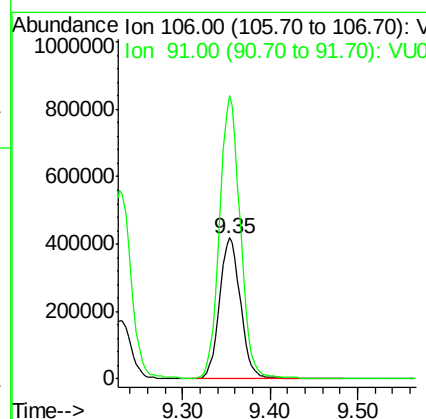
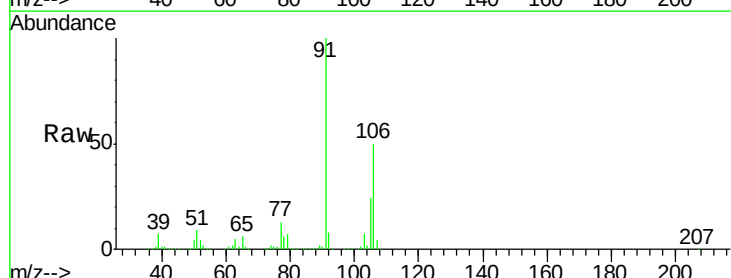
Manual Integrations
APPROVED

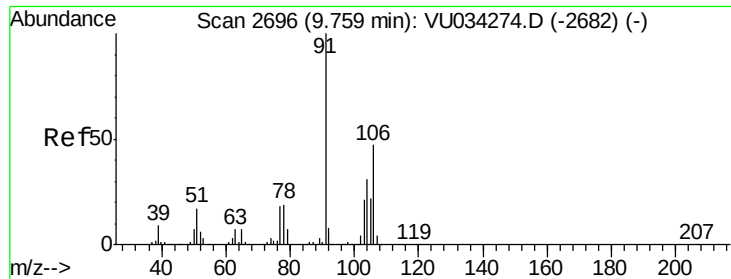
MMDadoda
9/10/2019 1:31:35 PM



#68
m/p-Xylenes
Concen: 100.708 ug/l
RT: 9.35 min Scan# 2570
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.1	160.1	240.1





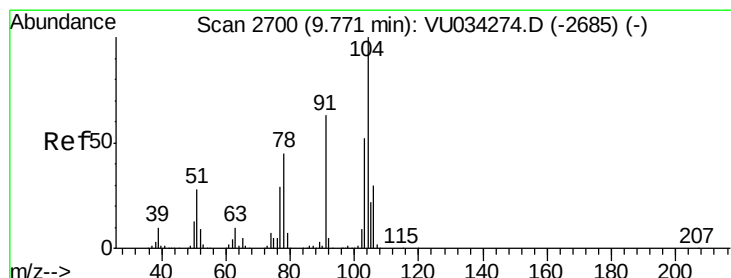
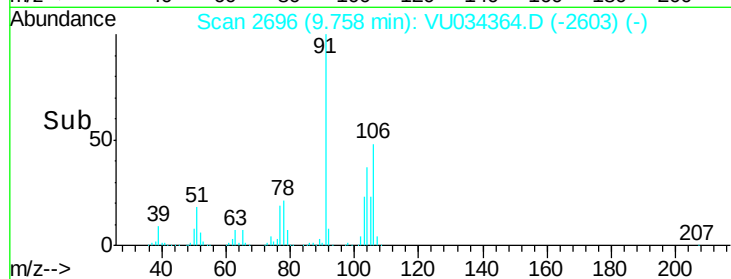
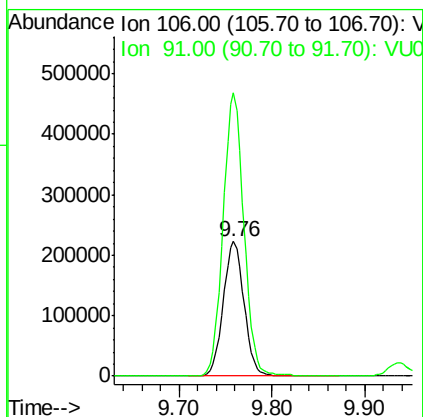
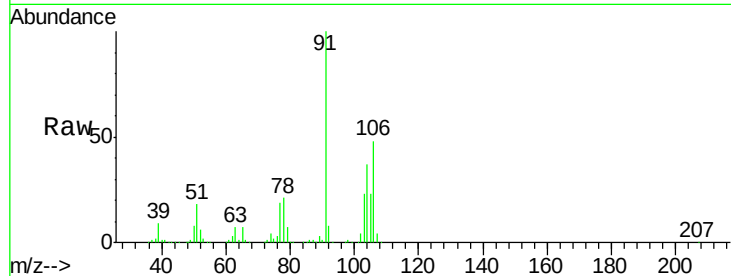
#69
o-Xylene
Concen: 51.245 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampled :
S13-0263MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
347347	106	100			
	91	209.1	105.1	315.3	

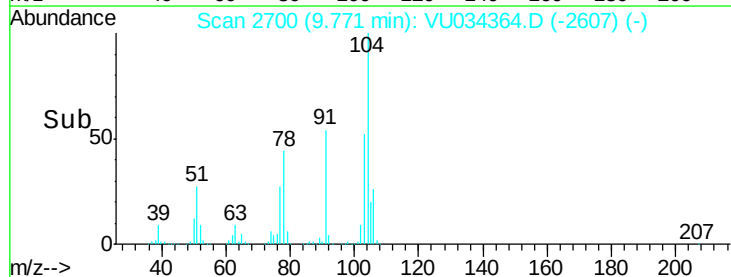
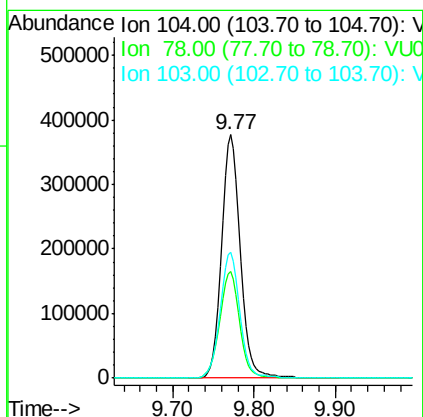
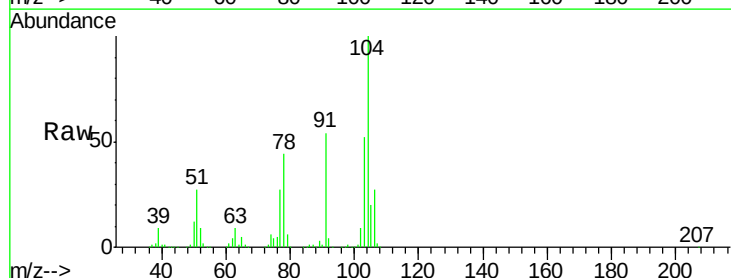
Manual Integrations
APPROVED

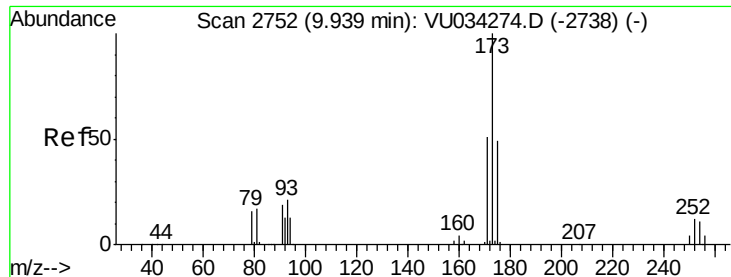
MMDadoda
9/10/2019 1:31:35 PM



#70
Styrene
Concen: 51.940 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
617244	104	100			
	78	46.7	38.6	57.8	
	103	54.5	44.2	66.4	





#71

Bromoform

Concen: 48.981 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampled :

S13-0263MS

Tot Ion:173 Resp: 182367

Ion Ratio Lower Upper

173 100

175 48.9 24.4 73.2

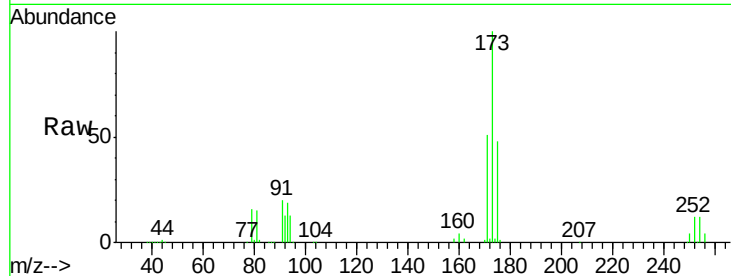
254 0.0 0.0 0.0#

Manual Integrations

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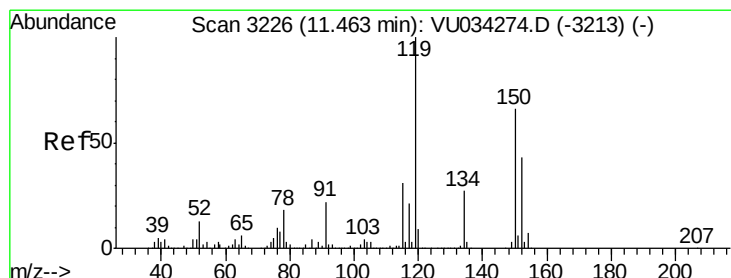
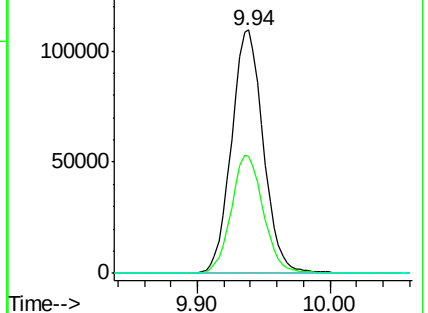
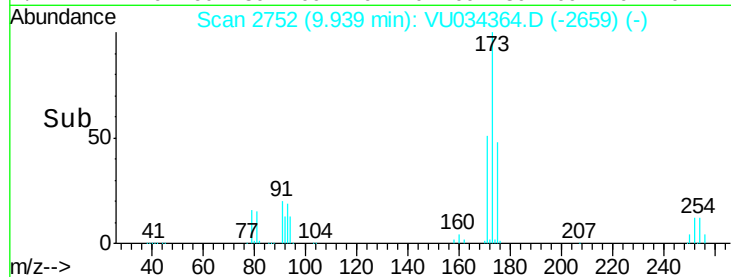
9/10/2019 1:31:35 PM



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: VU034364.D

Acq: 07 Sep 2019 04:55

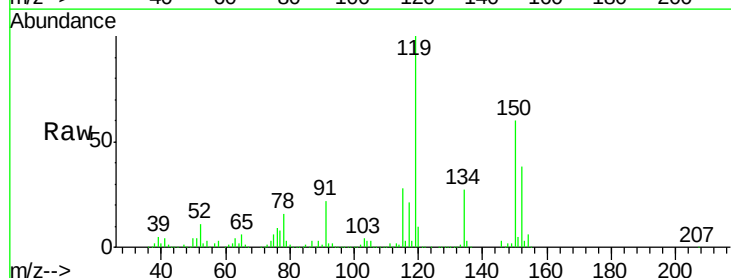
Tgt Ion:152 Resp: 292628

Ion Ratio Lower Upper

152 100

115 75.2 39.1 117.3

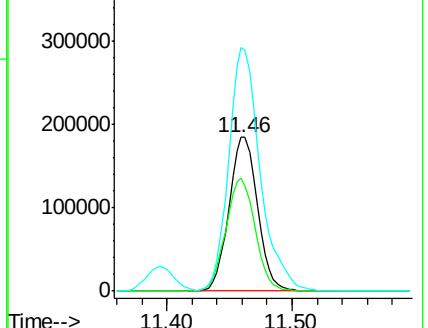
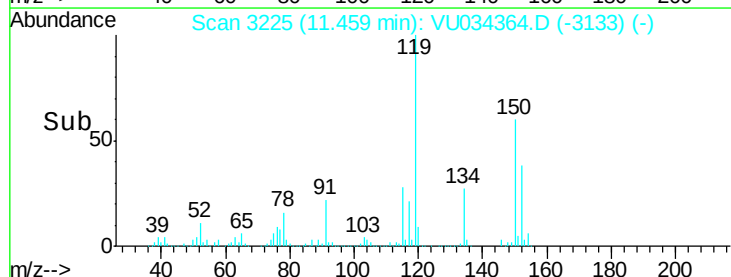
150 173.4 0.0 345.4

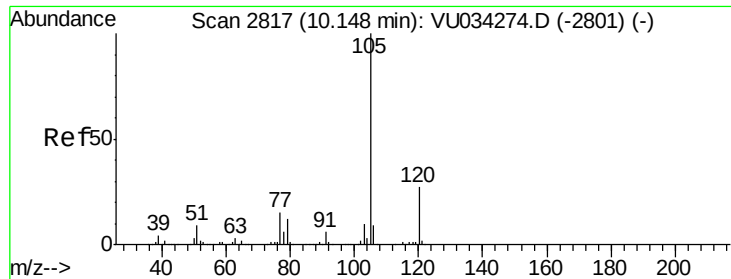


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.338 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion:105 Resp: 939570

Ion Ratio Lower Upper

105 100

120 26.7

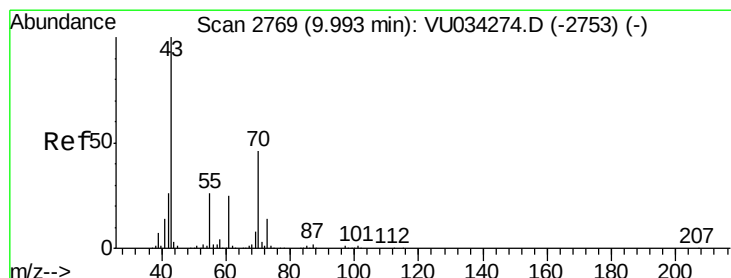
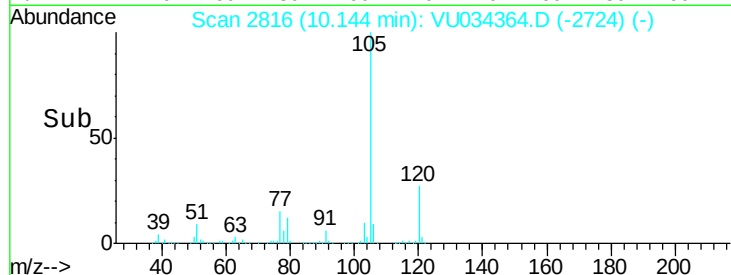
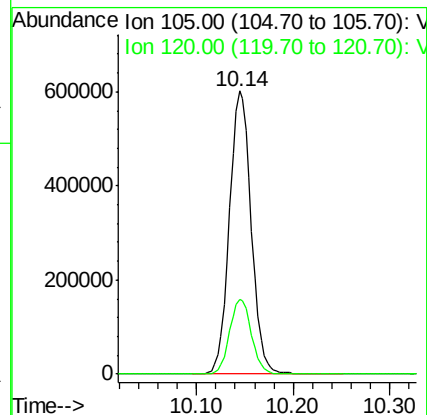
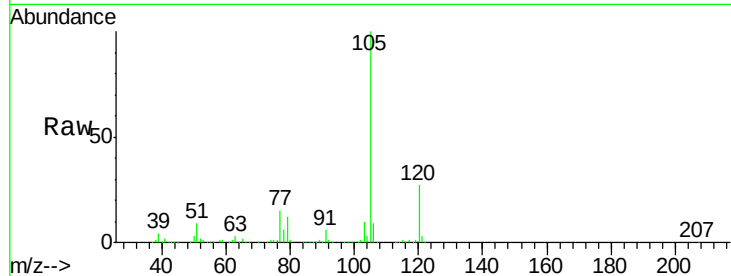
13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 45.054 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion: 43 Resp: 345361

Ion Ratio Lower Upper

43 100

70 46.2

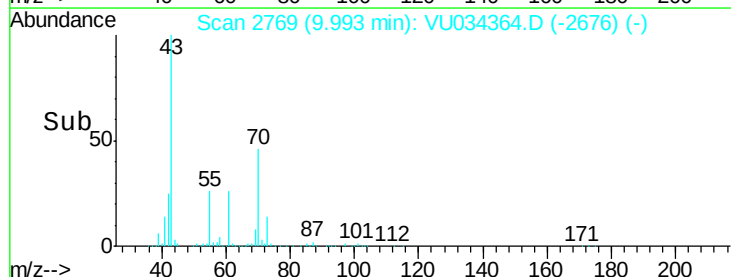
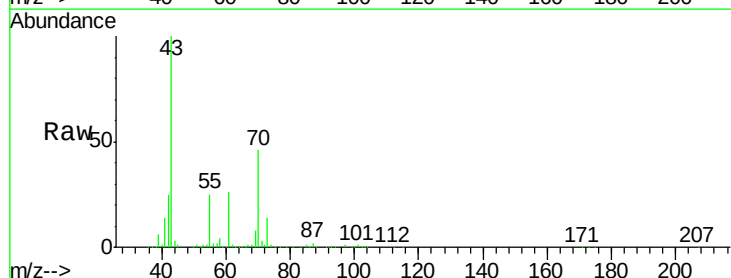
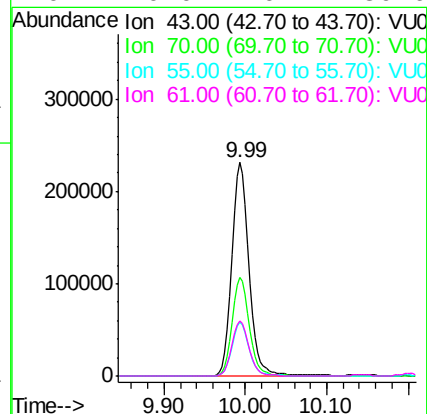
55 25.4

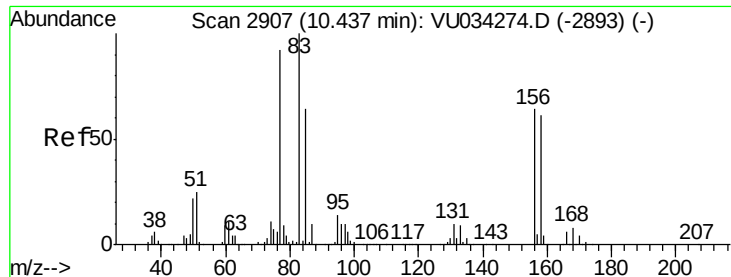
61 26.0

36.4 54.6

21.2 31.8

20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 46.356 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 83 Resp: 357327

Ion Ratio Lower Upper

83 100

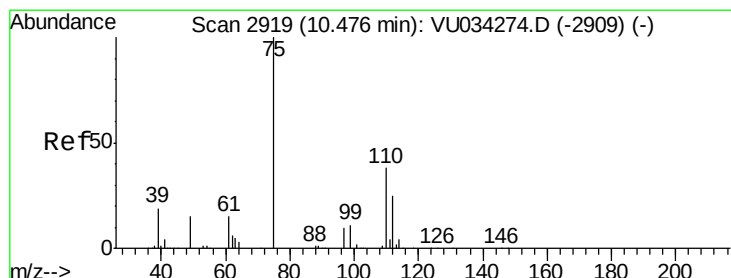
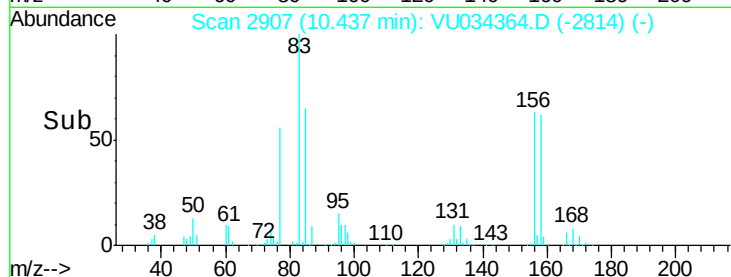
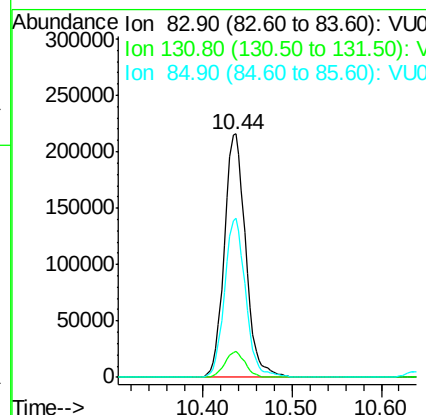
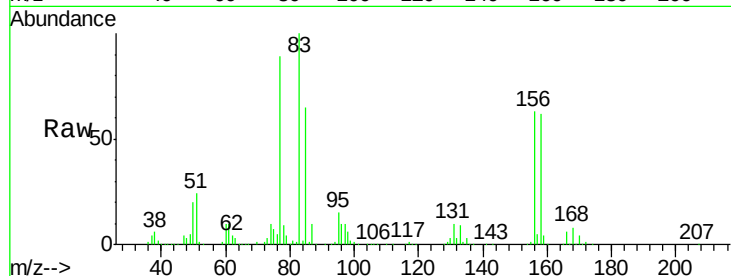
131 10.2 5.1 15.2

85 64.8 32.0 96.2

Manual Integrations
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MMDadoda

9/10/2019 1:31:35 PM



#76

1,2,3-Trichloropropane

Concen: 49.048 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034364.D

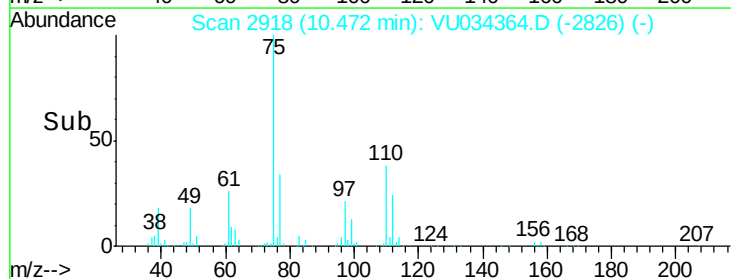
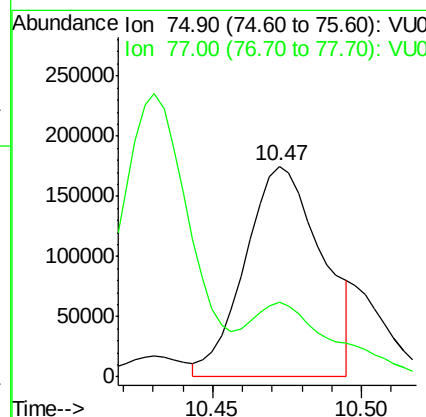
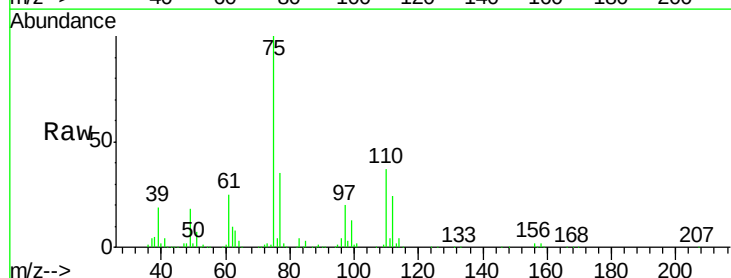
Acq: 07 Sep 2019 04:55

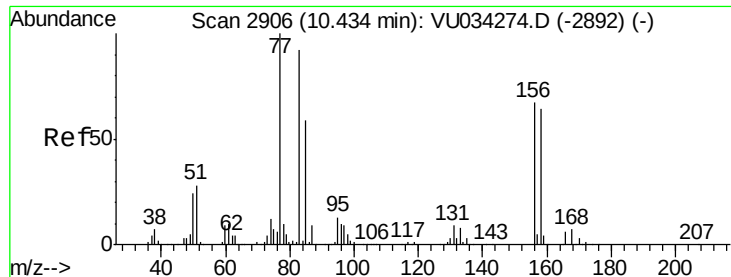
Tgt Ion: 75 Resp: 313296

Ion Ratio Lower Upper

75 100

77 37.7 20.8 62.2





#77

Bromobenzene

Concen: 49.034 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion:156 Resp: 261094

Ion Ratio Lower Upper

156 100

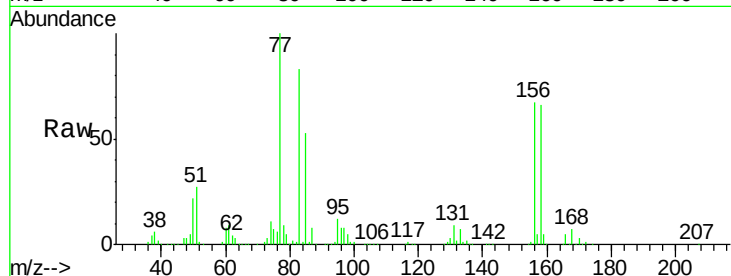
77 145.4 75.6 226.9

158 96.5 48.2 144.6

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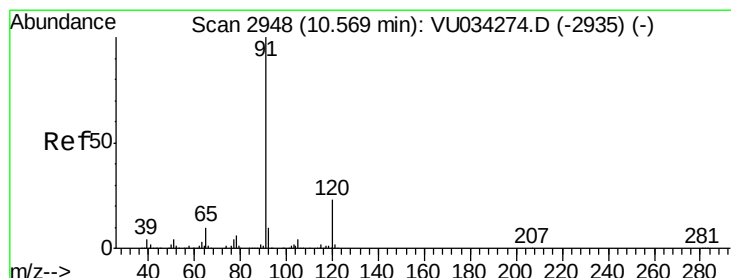
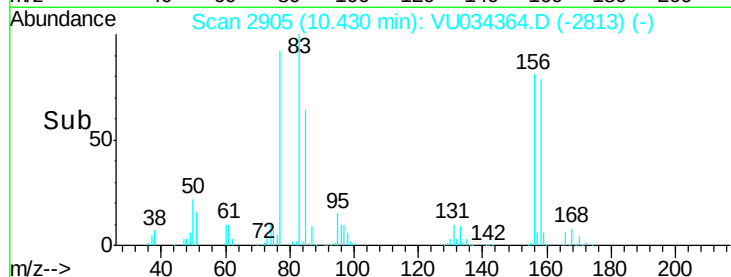
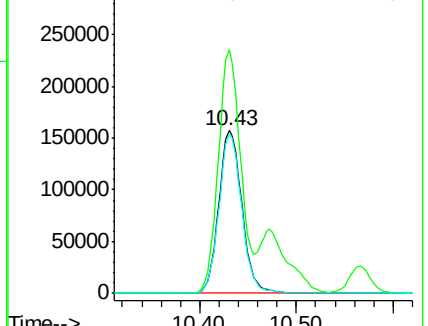
9/10/2019 1:31:35 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.585 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034364.D

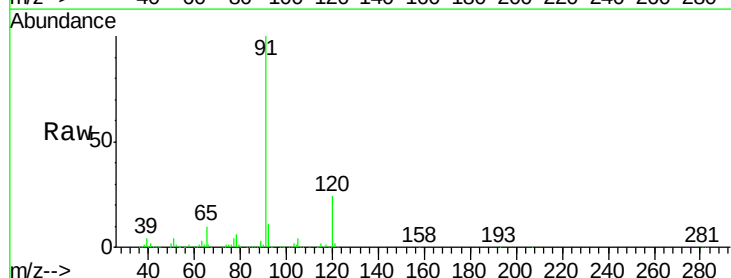
Acq: 07 Sep 2019 04:55

Tgt Ion: 91 Resp: 1068546

Ion Ratio Lower Upper

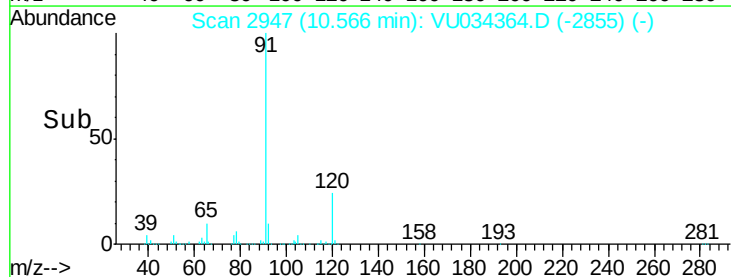
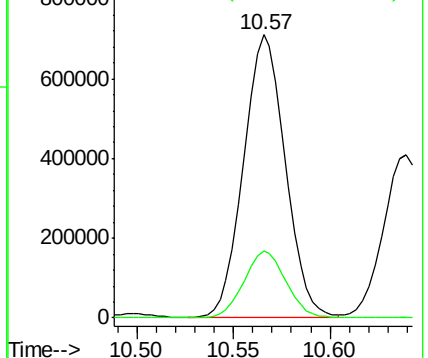
91 100

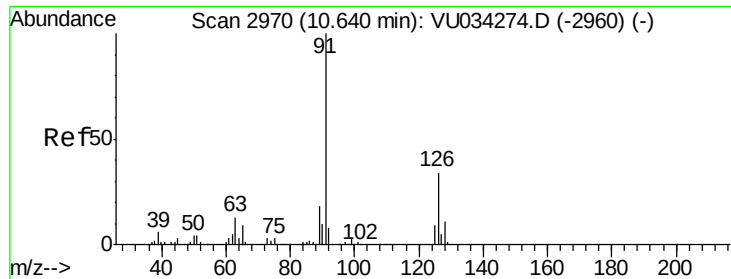
120 23.8 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.514 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Instrument :

MSVOA_U

ClientSampleId :

S13-0263MS

Tot Ion: 91 Resp: 651036

Ion Ratio Lower Upper

91 100

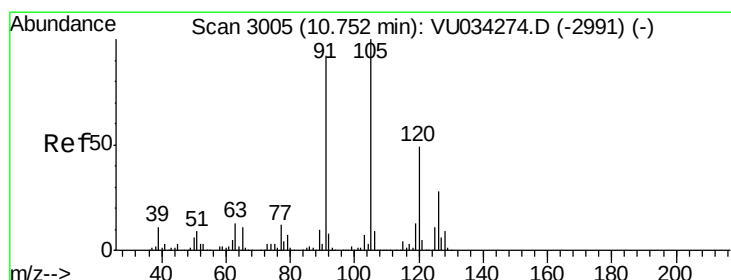
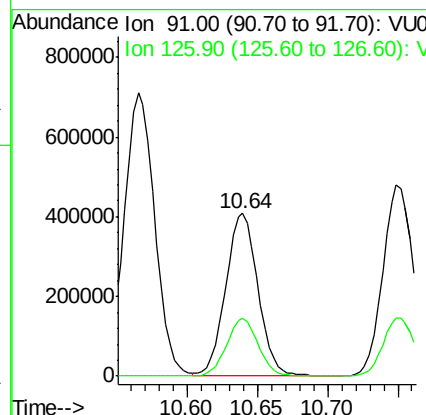
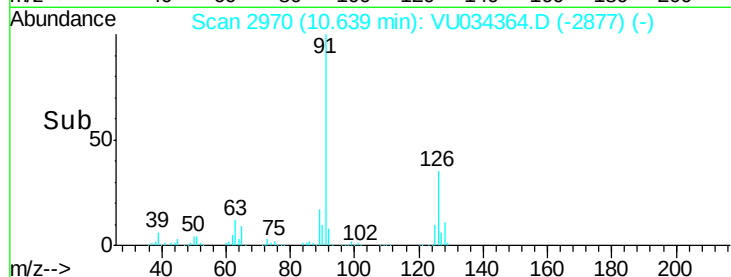
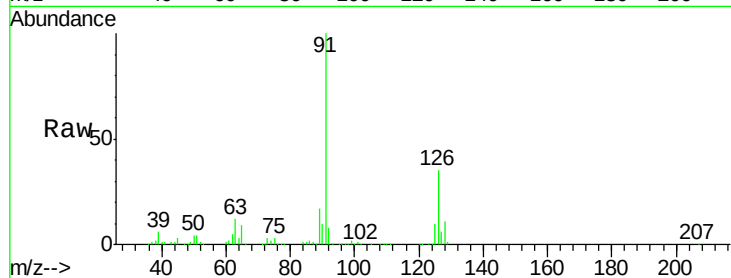
126 34.9 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 50.926 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034364.D

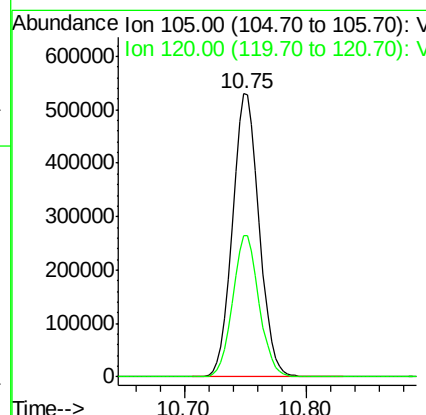
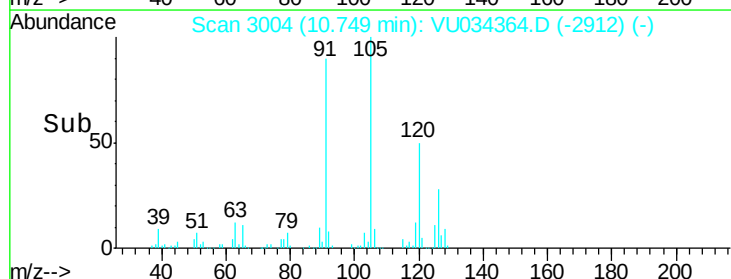
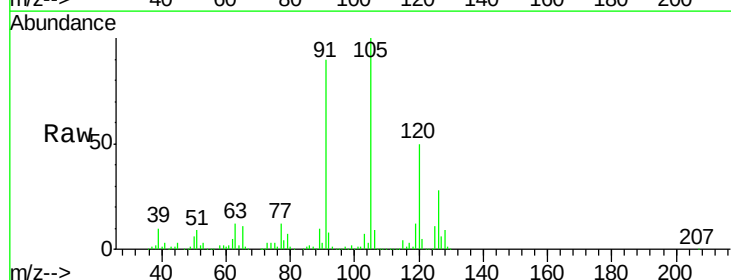
Acq: 07 Sep 2019 04:55

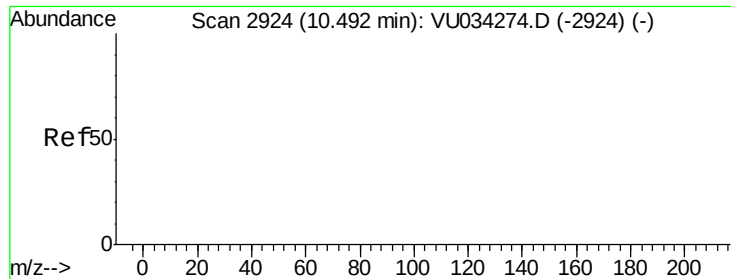
Tgt Ion: 105 Resp: 811091

Ion Ratio Lower Upper

105 100

120 49.3 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 43.166 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034364.D

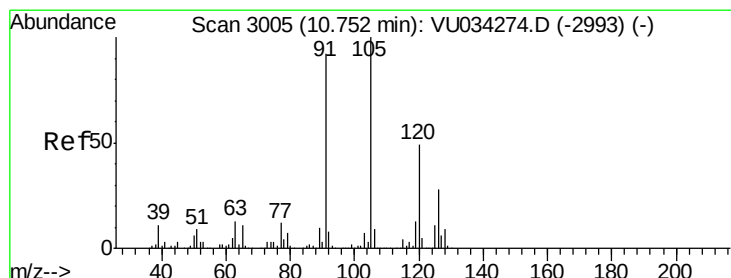
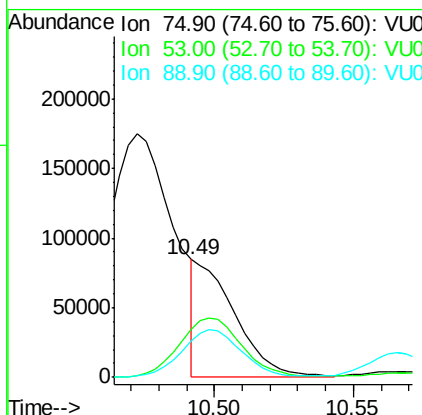
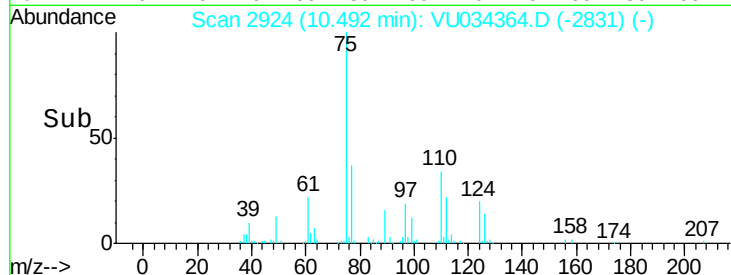
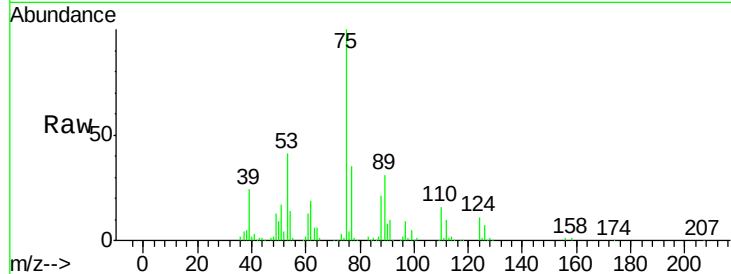
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampled :
S13-0263MS

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

Manual Integrations
APPROVED

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#82

4-Chlorotoluene

Concen: 48.543 ug/l

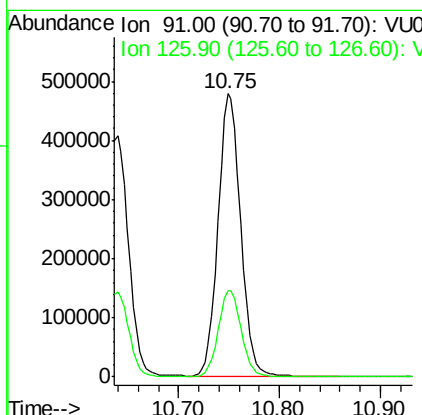
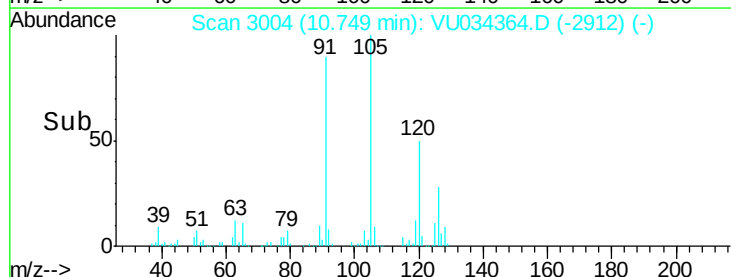
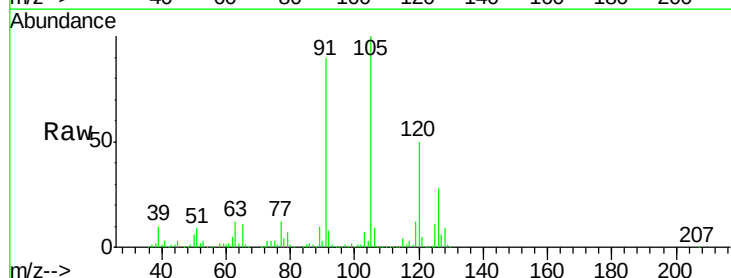
RT: 10.75 min Scan# 3004

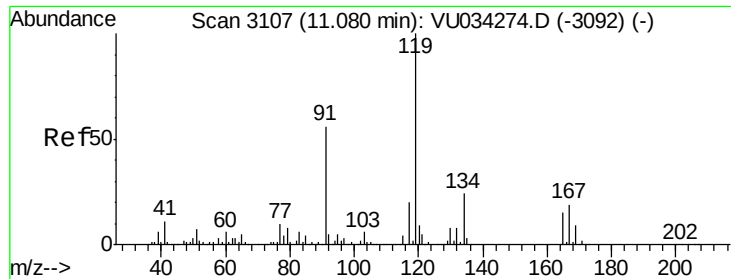
Delta R.T. -0.00 min

Lab File: VU034364.D

Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





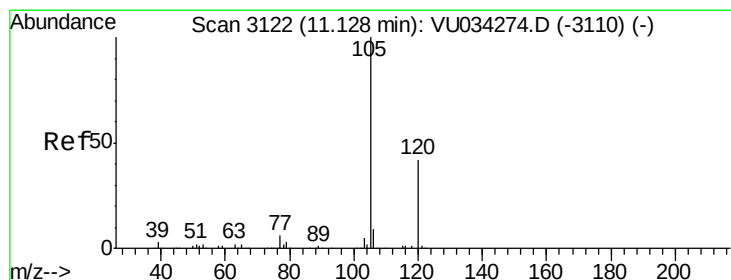
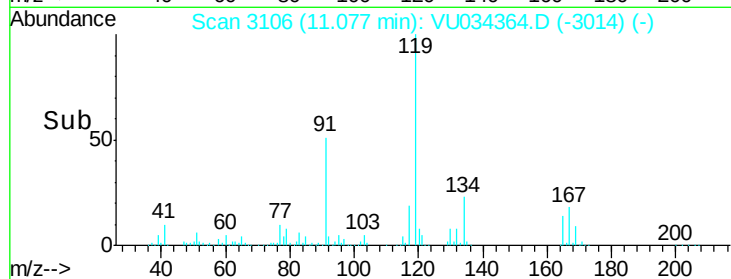
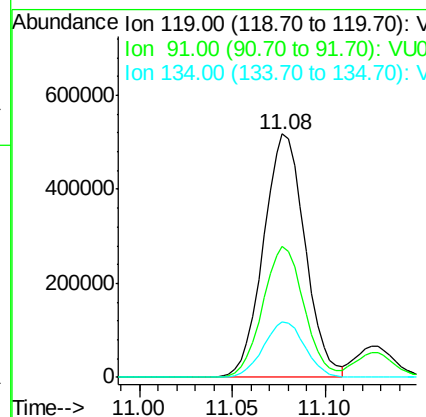
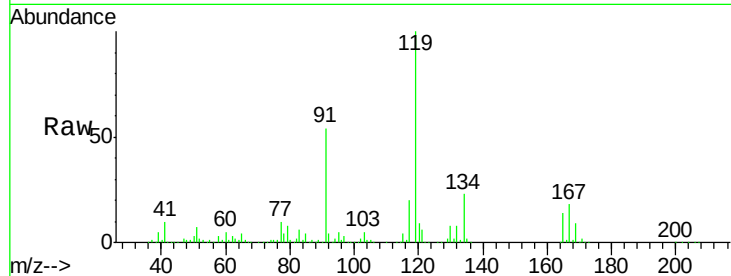
#83
 tert-Butylbenzene
 Concen: 50.797 ug/l
 RT: 11.08 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	53.2	27.8	83.4
134	22.9	11.7	35.0

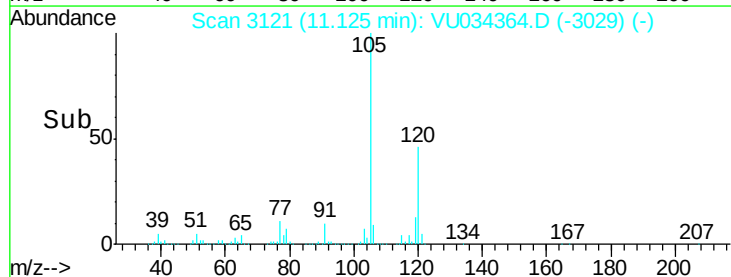
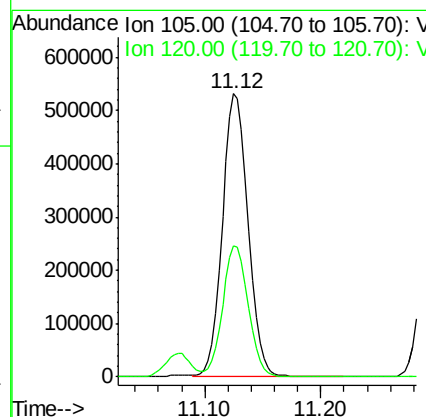
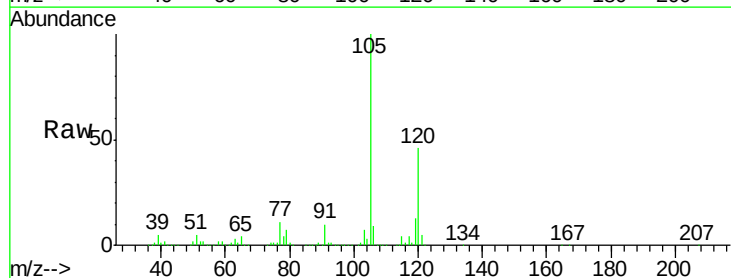
Manual Integrations
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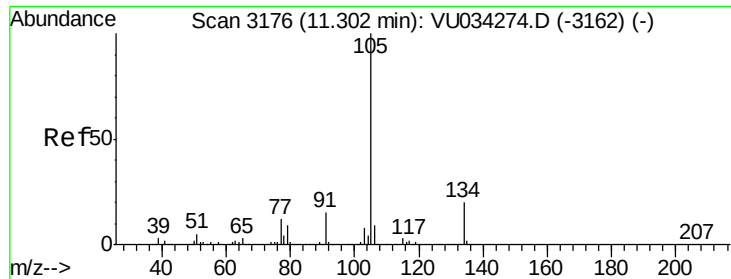
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.656 ug/l
 RT: 11.12 min Scan# 3121
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	22.9	68.8





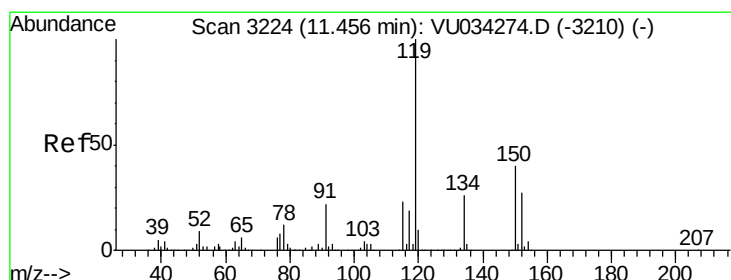
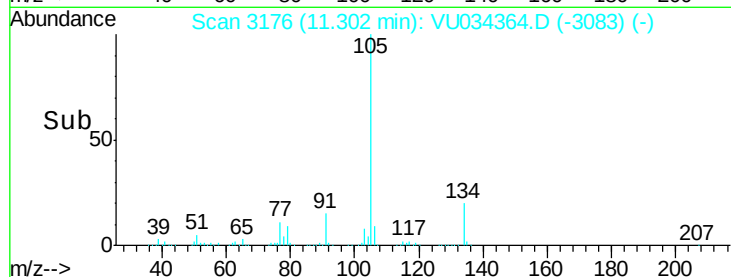
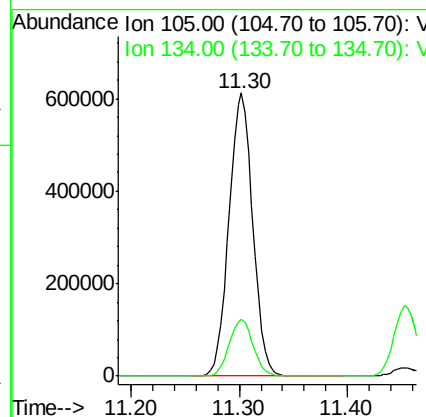
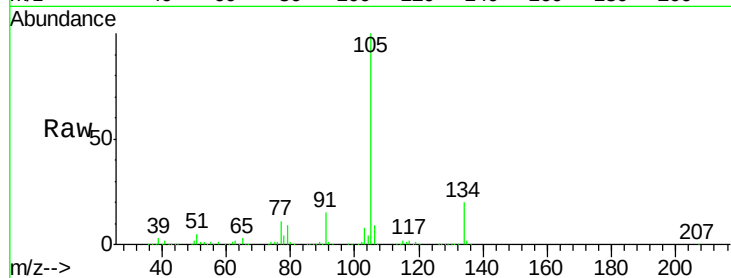
#85
 sec-Butylbenzene
 Concen: 49.769 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

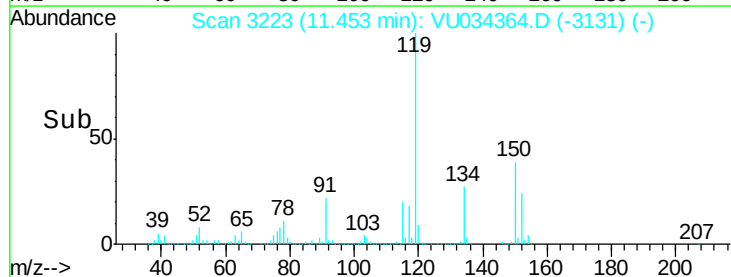
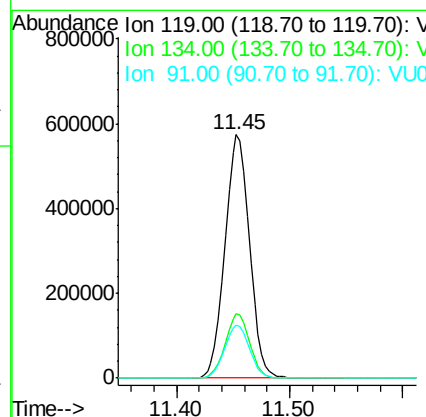
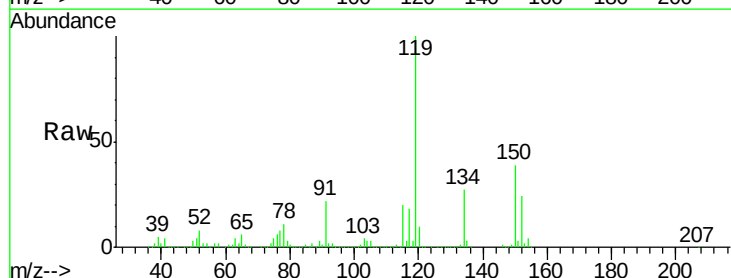
Manual Integrations
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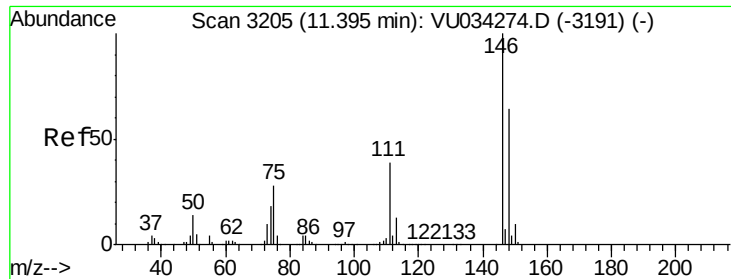
MMDadoda
 9/10/2019 1:31:35 PM



#86
 p-Isopropyltoluene
 Concen: 49.802 ug/l
 RT: 11.45 min Scan# 3223
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.3	39.8
91	21.9	11.2	33.6





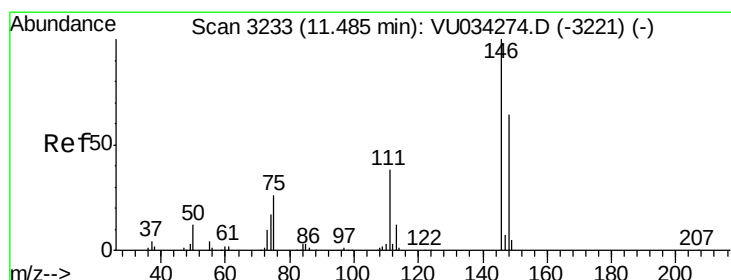
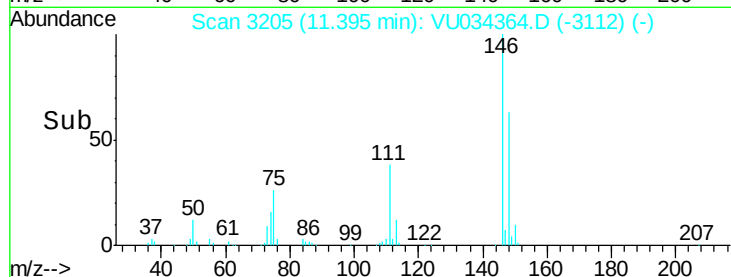
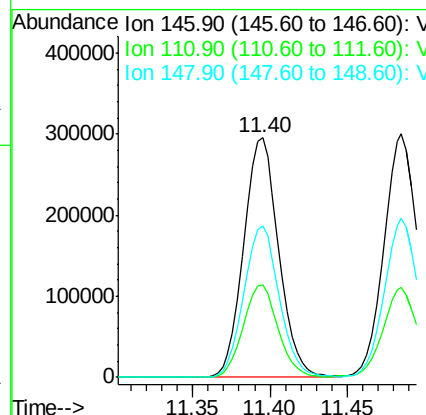
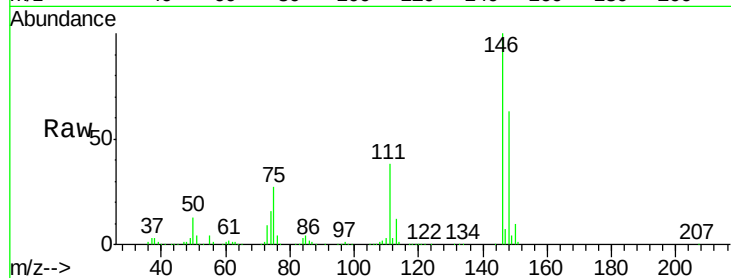
#87
 1,3-Dichlorobenzene
 Concen: 47.953 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.5	58.5
148	63.8	32.1	96.3

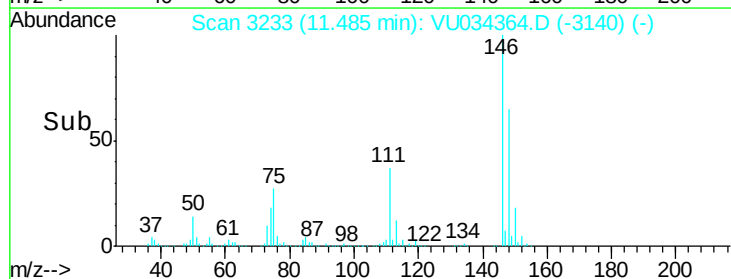
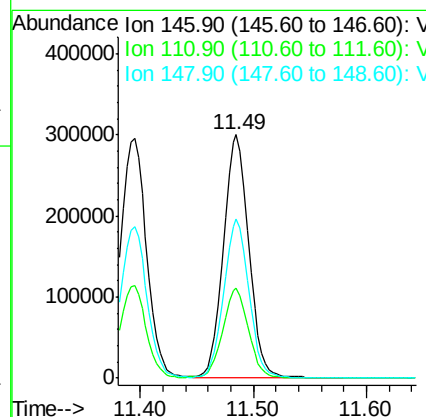
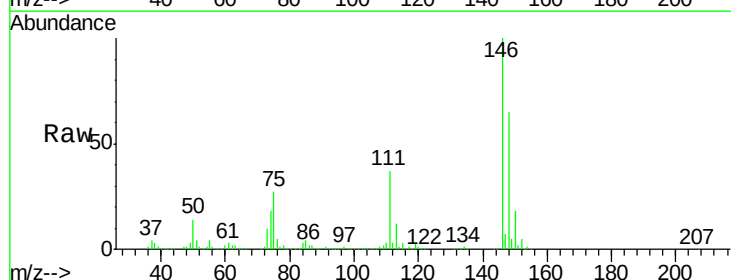
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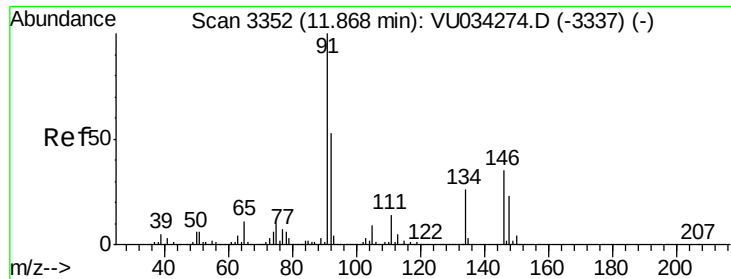
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#88
 1,4-Dichlorobenzene
 Concen: 46.080 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.3
148	65.0	32.0	96.0





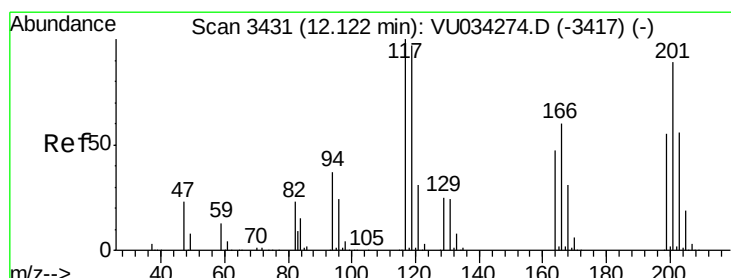
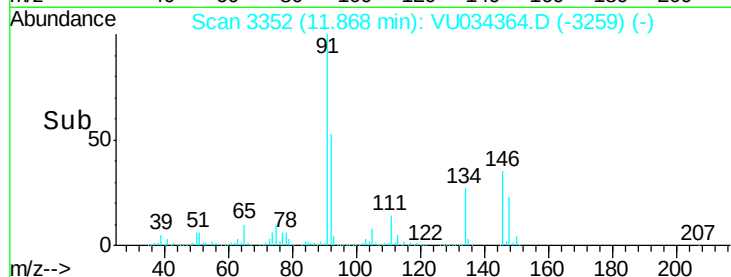
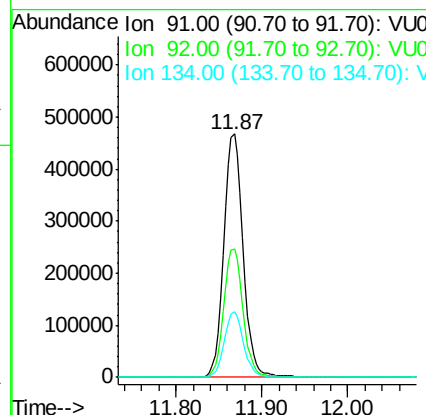
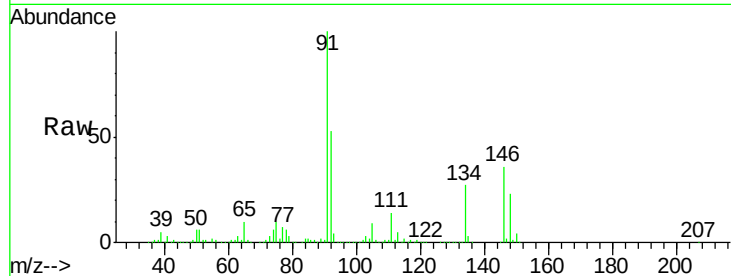
#89
n-Butylbenzene
Concen: 48.493 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	26.8	13.2	39.6

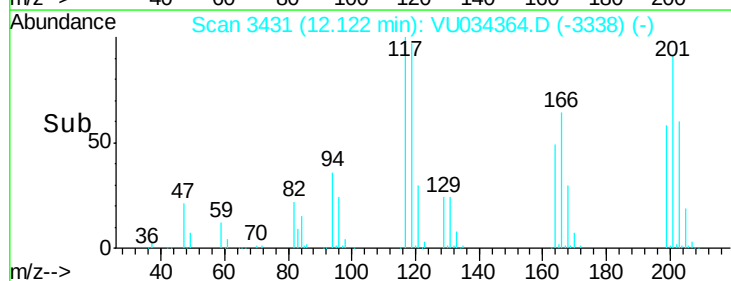
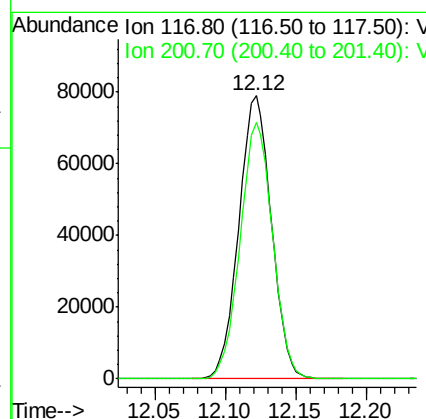
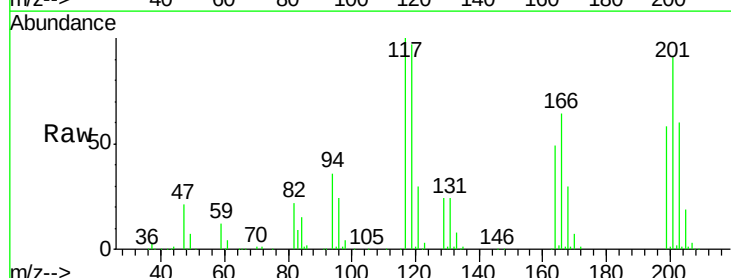
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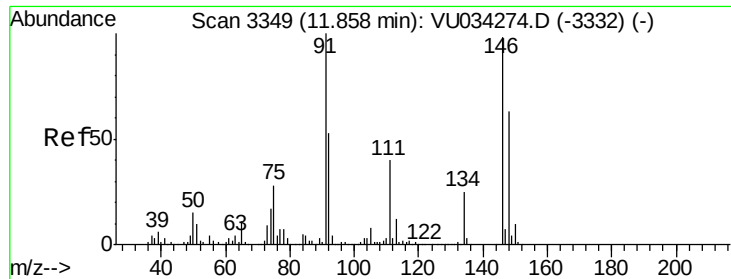
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9/10/2019 1:31:35 PM



#90
Hexachloroethane
Concen: 46.009 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	44.1	132.4





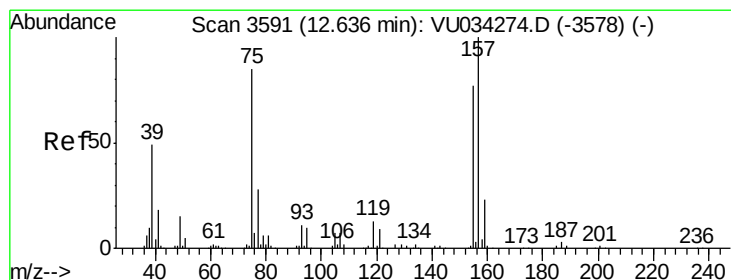
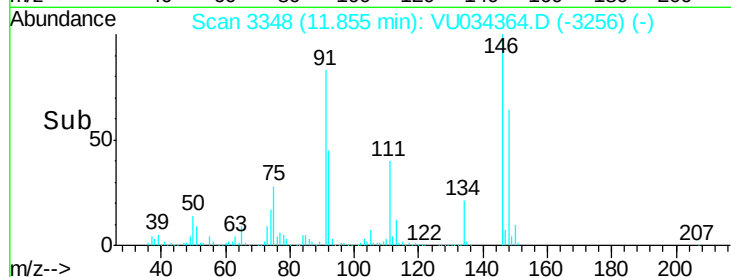
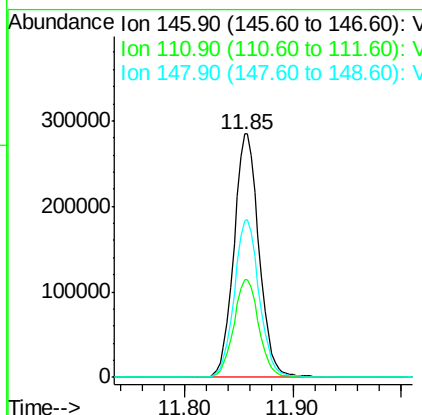
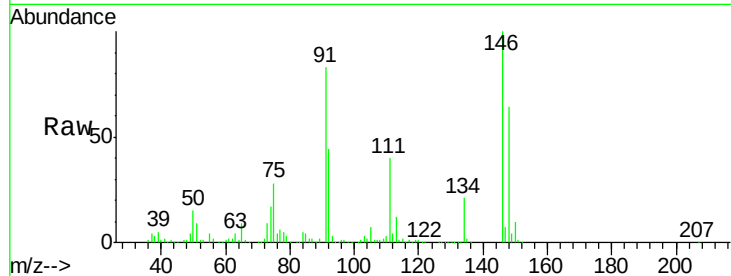
#91
 1,2-Dichlorobenzene
 Concen: 48.380 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampleId :
 S13-0263MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	461993		
111	40.2		20.0	60.0
148	64.7		31.6	94.8

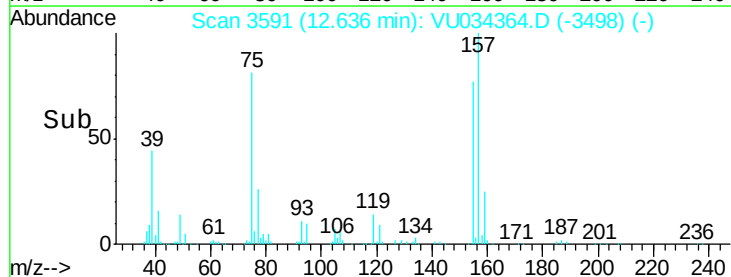
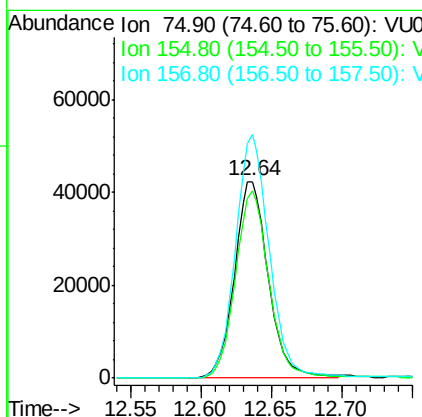
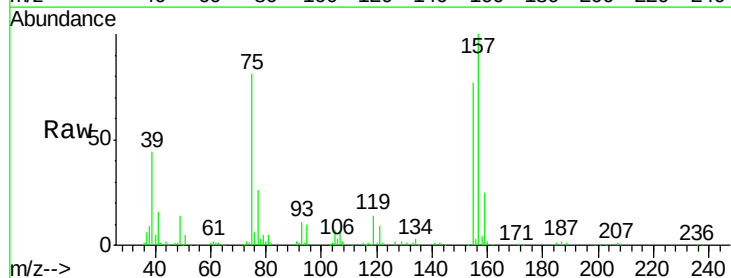
Manual Integrations
 APPROVED

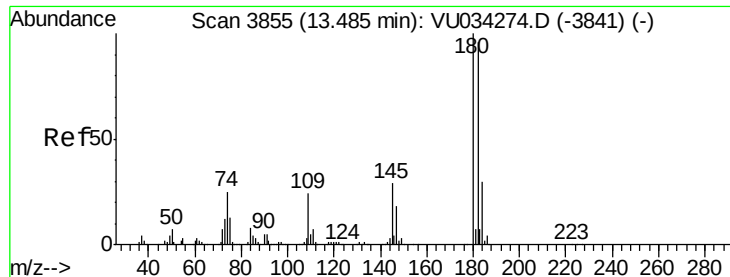
MMDadoda
 9/10/2019 1:31:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.417 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	71414		
155	94.9		44.6	134.0
157	124.1		58.2	174.6





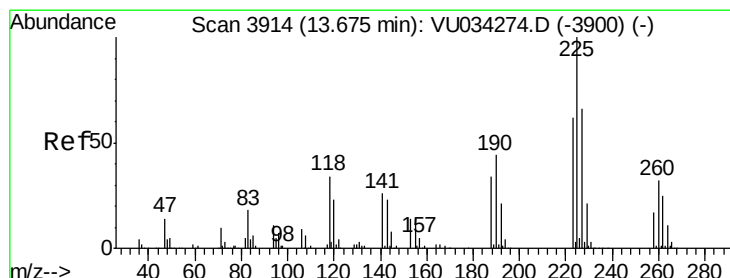
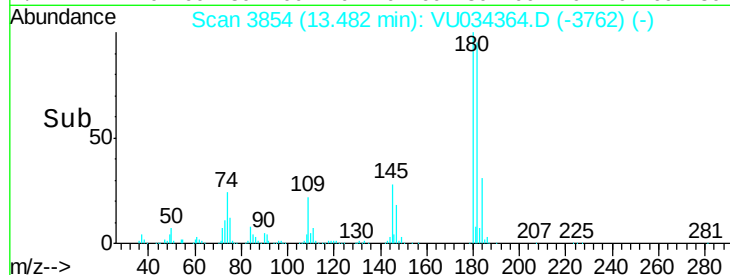
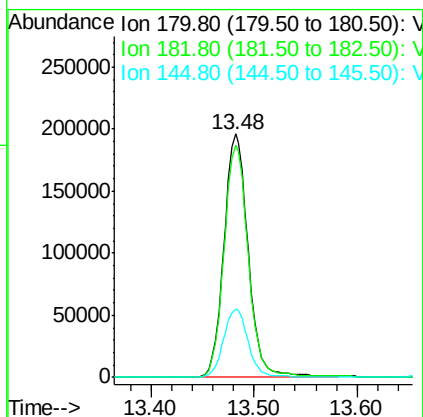
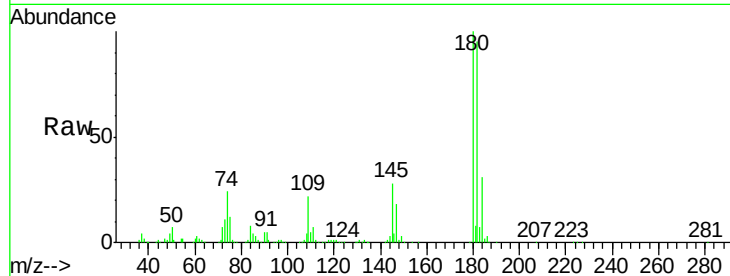
#93
 1,2,4-Trichlorobenzene
 Concen: 46.616 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Instrument :
 MSVOA_U
 ClientSampled :
 S13-0263MS

Tot Ion:	180	Resp:	321113
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.9	143.8
145	28.7	14.4	43.0

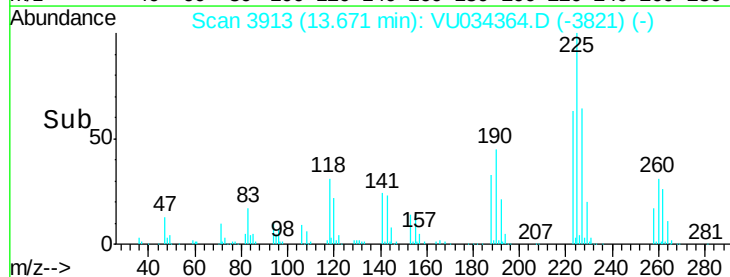
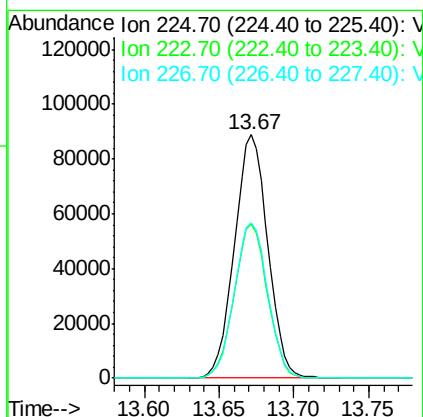
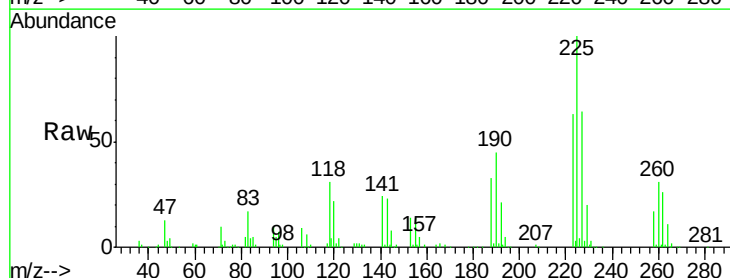
Manual Integrations
 APPROVED

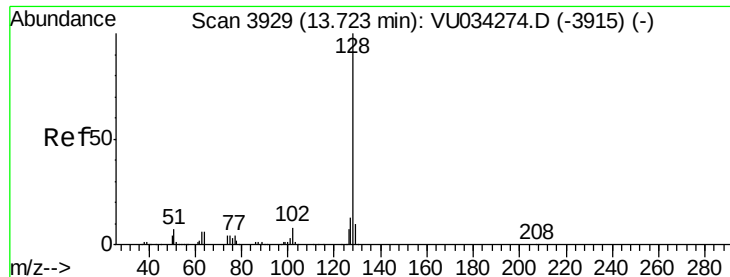
MMDadoda
 9/10/2019 1:31:35 PM



#94
 Hexachlorobutadiene
 Concen: 41.294 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034364.D
 Acq: 07 Sep 2019 04:55

Tgt Ion:	225	Resp:	137935
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.6	94.7
227	63.9	32.3	96.8





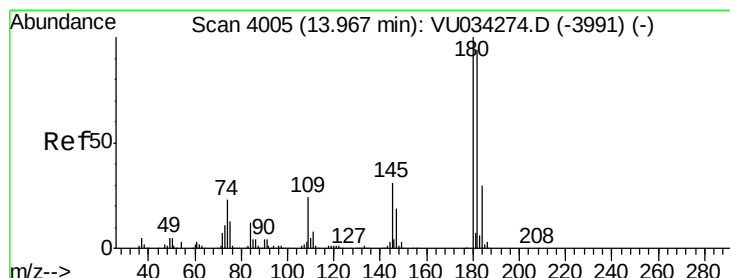
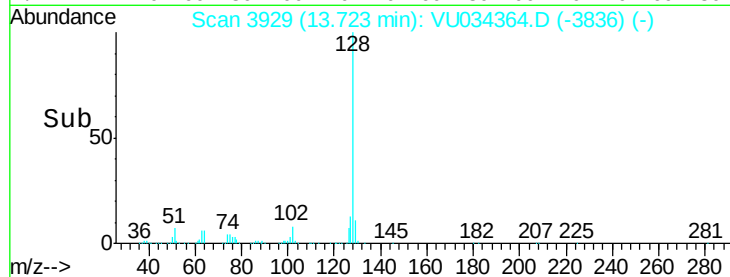
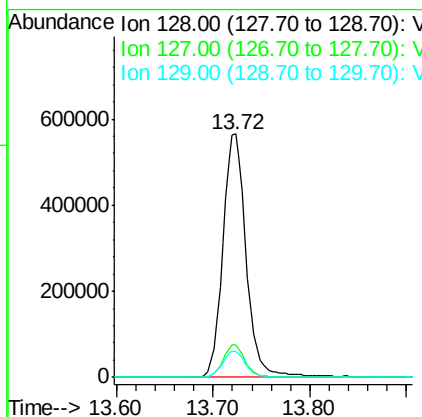
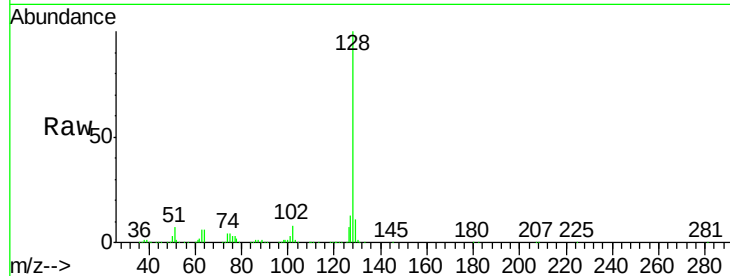
#95
Naphthalene
Concen: 48.396 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Instrument :
MSVOA_U
ClientSampleId :
S13-0263MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	941187		
127	12.9	10.6	15.8	
129	10.6	8.4	12.6	

Manual Integrations
APPROVED

MMDadoda
9/10/2019 1:31:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 47.689 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034364.D
Acq: 07 Sep 2019 04:55

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	318152		
182	94.5	48.4	145.0	
145	30.1	15.4	46.4	

