

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034275.D
 Acq On : 05 Sep 2019 10:46
 Operator : JC/SP
 Sample : VSTDICC100
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:38 PM

Quant Time: Sep 06 05:07:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	370635	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	541528	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	549531	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	358509	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	538133	110.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	221.32%	
35) Dibromofluoromethane	4.86	113	472619	119.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	238.02%	
50) Toluene-d8	7.55	98	1907803	127.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.10%	
62) 4-Bromofluorobenzene	10.29	95	726797	125.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	251.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	350008	96.886	ug/l	97
3) Chloromethane	1.32	50	392935	73.740	ug/l	99
4) Vinyl Chloride	1.40	62	434233	90.654	ug/l	98
5) Bromomethane	1.60	94	247734	96.974	ug/l	99
6) Chloroethane	1.68	64	272371	91.524	ug/l	99
7) Trichlorofluoromethane	1.87	101	588291	103.170	ug/l	99
8) Diethyl Ether	2.09	74	265990	108.094	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.27	101	385323	105.932	ug/l	100
10) Methyl Iodide	2.40	142	415980	87.452	ug/l	100
11) Tert butyl alcohol	2.82	59	591713	542.942	ug/l	100
12) 1,1-Dichloroethene	2.27	96	367552	100.287	ug/l	99
13) Acrolein	2.18	56	454142	816.731	ug/l	99
14) Allyl chloride	2.58	41	719021m	103.927	ug/l	
15) Acrylonitrile	2.92	53	1447489	569.474	ug/l	98
16) Acetone	2.31	43	1296676	532.851	ug/l	99
17) Carbon Disulfide	2.46	76	801353	72.562	ug/l	100
18) Methyl Acetate	2.60	43	626771	99.686	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	1430501	116.490	ug/l	100
20) Methylene Chloride	2.68	84	463283	101.168	ug/l	99
21) trans-1,2-Dichloroethene	2.96	96	388462	98.220	ug/l	99
22) Diisopropyl ether	3.55	45	1470609	114.106	ug/l	97
23) Vinyl Acetate	3.50	43	6244360	569.204	ug/l	99
24) 1,1-Dichloroethane	3.42	63	822149	108.585	ug/l	100
25) 2-Butanone	4.23	43	1970612	582.600	ug/l	100
26) 2,2-Dichloropropane	4.20	77	672803	109.354	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	495496	109.687	ug/l	99
28) Bromochloromethane	4.52	49	381141	101.563	ug/l	99
29) Tetrahydrofuran	4.61	42	1181784	566.393	ug/l	100
30) Chloroform	4.65	83	812765	106.761	ug/l	99
31) Cyclohexane	4.97	56	614309	90.076	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	671220	108.406	ug/l	98
36) 1,1-Dichloropropene	5.11	75	552812	107.781	ug/l	99
37) Ethyl Acetate	4.36	43	680521	116.837	ug/l	99
38) Carbon Tetrachloride	5.11	117	577242	114.540	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 04:16:04 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	627532	105.640	ug/l	98
40) Benzene	5.37	78	1764914	112.211	ug/l	99
41) Methacrylonitrile	4.52	41	381302	126.346	ug/l	100
42) 1,2-Dichloroethane	5.38	62	606684	111.811	ug/l	100
43) Isopropyl Acetate	5.53	43	1097409	123.197	ug/l	99
44) Trichloroethene	6.16	130	487276	116.756	ug/l	98
45) 1,2-Dichloropropane	6.41	63	520217	119.008	ug/l	99
46) Dibromomethane	6.54	93	326718	116.173	ug/l	99
47) Bromodichloromethane	6.74	83	674748	121.675	ug/l	99
48) Methyl methacrylate	6.60	41	535814	125.573	ug/l	100
49) 1,4-Dioxane	6.59	88	231056	2205.689	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	3798091	615.399	ug/l	99
52) Toluene	7.62	92	1145998	117.660	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	761026	125.153	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	820097	123.008	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	512315	122.653	ug/l	99
56) Ethyl methacrylate	8.00	69	815009	132.233	ug/l	100
57) 1,3-Dichloropropane	8.22	76	848045	120.477	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	1288358	578.912	ug/l	100
59) 2-Hexanone	8.34	43	2896294	622.333	ug/l	99
60) Dibromochloromethane	8.46	129	580941	129.074	ug/l	98
61) 1,2-Dibromoethane	8.57	107	518136	119.013	ug/l	100
64) Tetrachloroethene	8.21	164	438247	116.318	ug/l	99
65) Chlorobenzene	9.10	112	1348462	117.110	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	513179	121.980	ug/l	99
67) Ethyl Benzene	9.23	91	2313200	119.385	ug/l	100
68) m/p-Xylenes	9.36	106	1772146	239.652	ug/l	100
69) o-Xylene	9.76	106	874275	123.091	ug/l	99
70) Styrene	9.77	104	1584645	129.425	ug/l	99
71) Bromoform	9.94	173	466441	127.196	ug/l	# 100
73) Isopropylbenzene	10.15	105	2392245	101.898	ug/l	100
74) N-amyl acetate	9.99	43	1037461	105.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	869128	95.625	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	770428m	98.500	ug/l	
77) Bromobenzene	10.43	156	641129	100.650	ug/l	99
78) n-propylbenzene	10.57	91	2797891	102.263	ug/l	100
79) 2-Chlorotoluene	10.64	91	1656099	100.771	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	2060364	103.500	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	189277m	80.180	ug/l	
82) 4-Chlorotoluene	10.75	91	1926603	101.671	ug/l	100
83) tert-Butylbenzene	11.08	119	2040752	104.096	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2079652	105.193	ug/l	99
85) sec-Butylbenzene	11.30	105	2433057	103.519	ug/l	100
86) p-Isopropyltoluene	11.46	119	2260590	106.255	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	1165179	102.948	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1166201	101.552	ug/l	100
89) n-Butylbenzene	11.87	91	2046853	109.280	ug/l	99
90) Hexachloroethane	12.12	117	343631	94.456	ug/l	99
91) 1,2-Dichlorobenzene	11.86	146	1140198	104.811	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	183933	102.188	ug/l	97

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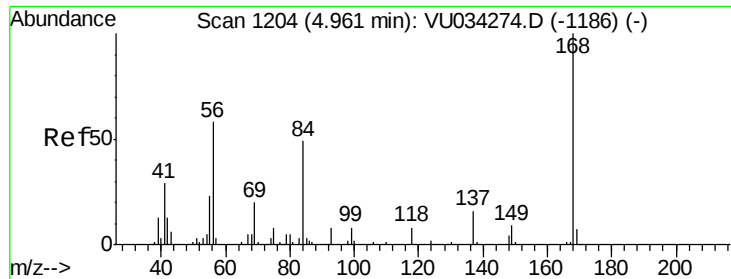
Manual Integrations
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9/6/2019 3:21:38 PM

Quant Time: Sep 06 05:07:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	843342	126.839	ug/l	100
94) Hexachlorobutadiene	13.67	225	403306	96.520	ug/l	99
95) Naphthalene	13.72	128	2384384	129.988	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	808330	115.808	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 370635

Ion Ratio Lower Upper

168 100

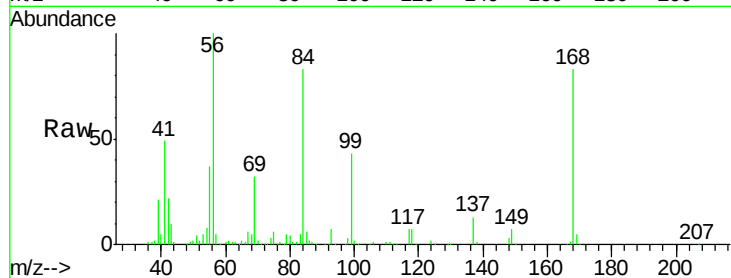
99 51.7 41.6 62.4

Manual Integrations

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

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

200000

150000

100000

50000

0

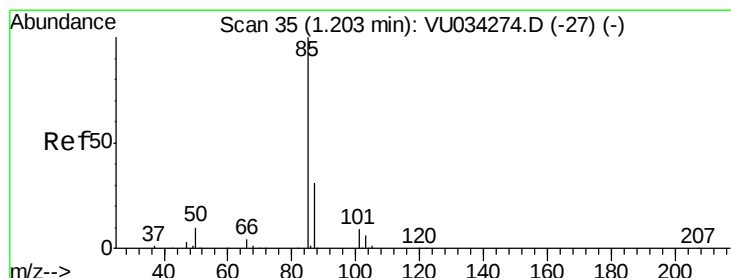
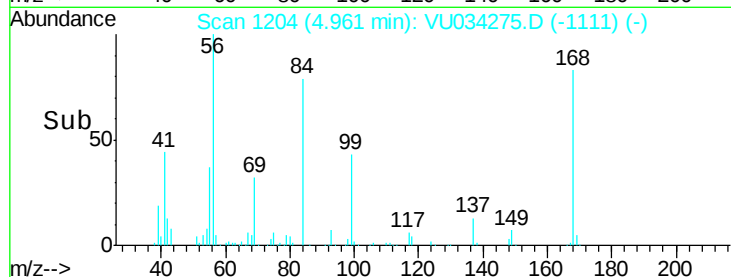
4.90

4.96

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 96.886 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034275.D

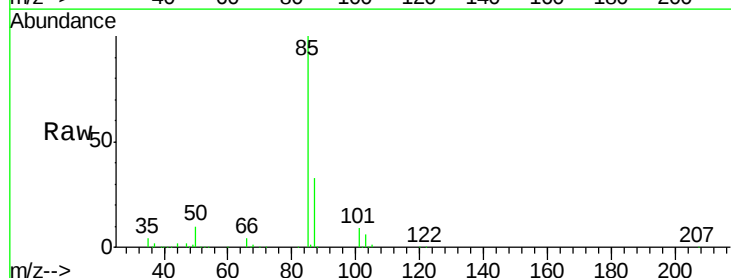
Acq: 05 Sep 2019 10:46

Tgt Ion: 85 Resp: 350008

Ion Ratio Lower Upper

85 100

87 32.9 15.7 47.0



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

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

400000

300000

200000

100000

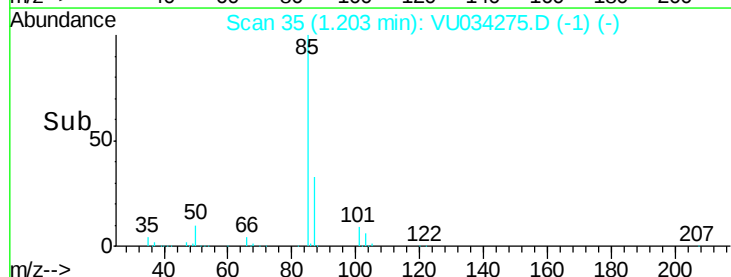
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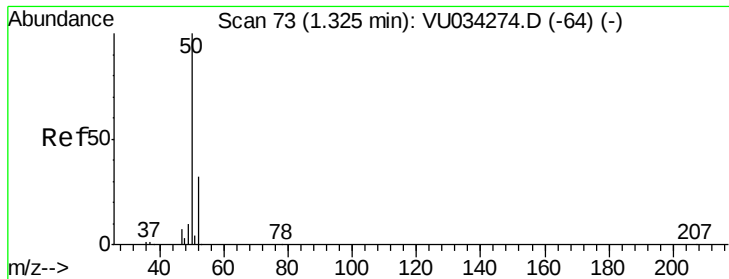
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 73.740 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 392935

Ion Ratio Lower Upper

50 100

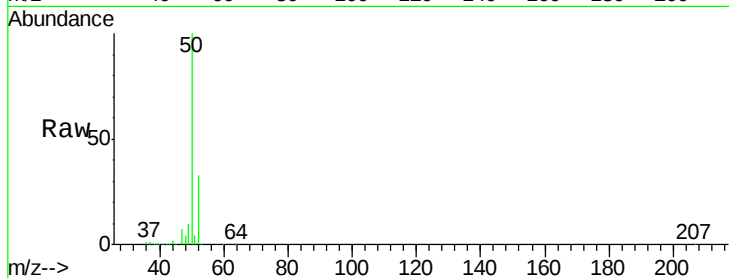
52 33.0 25.8 38.6

Manual Integrations

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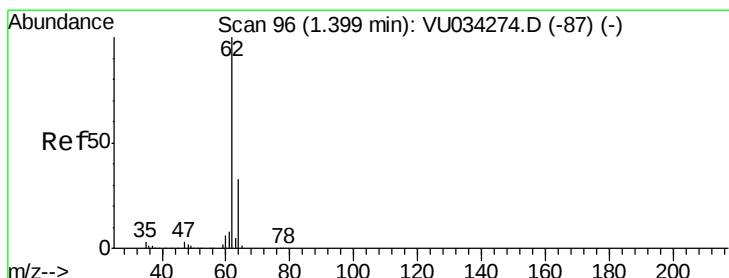
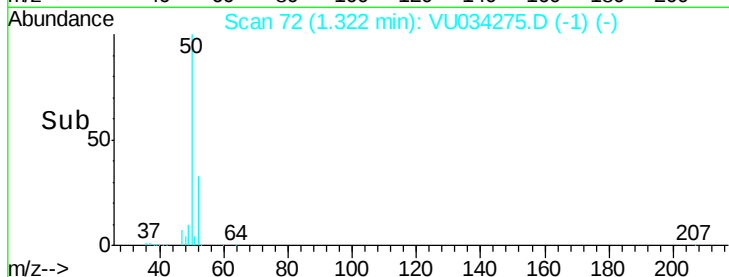
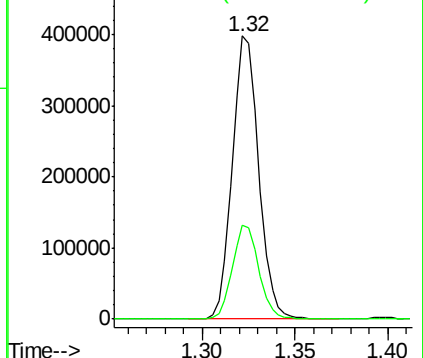
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 90.654 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034275.D

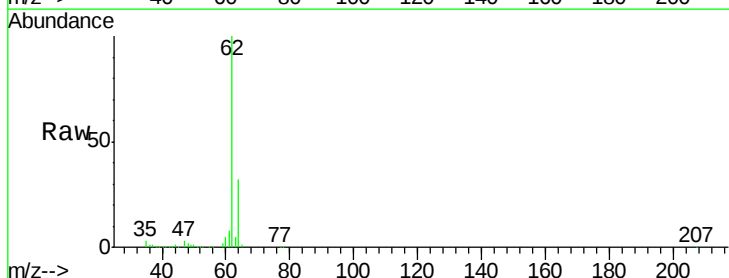
Acq: 05 Sep 2019 10:46

Tgt Ion: 62 Resp: 434233

Ion Ratio Lower Upper

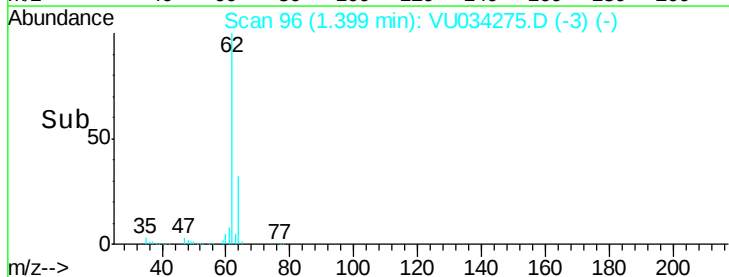
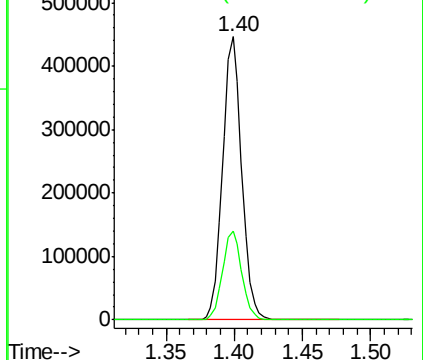
62 100

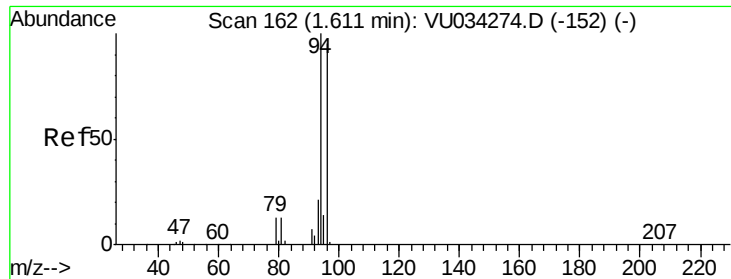
64 31.6 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 96.974 ug/l

RT: 1.60 min Scan# 159

Delta R.T. -0.01 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 247734

Ion Ratio Lower Upper

94 100

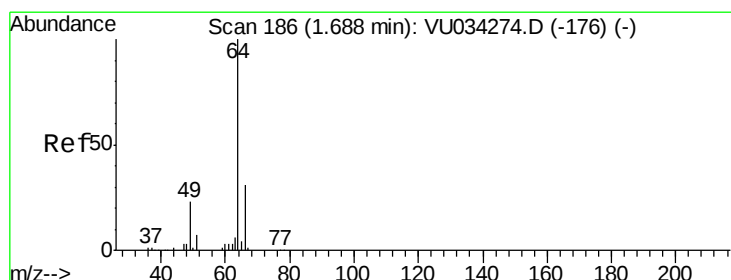
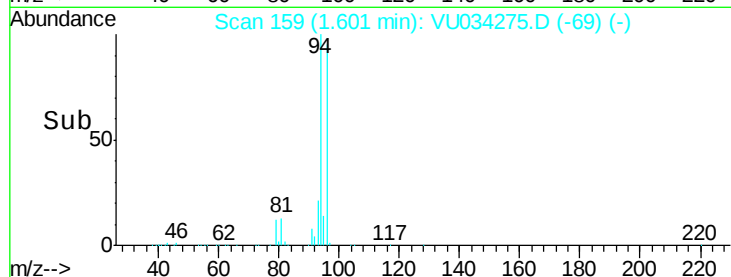
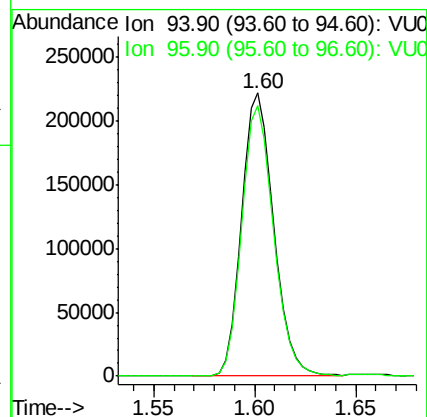
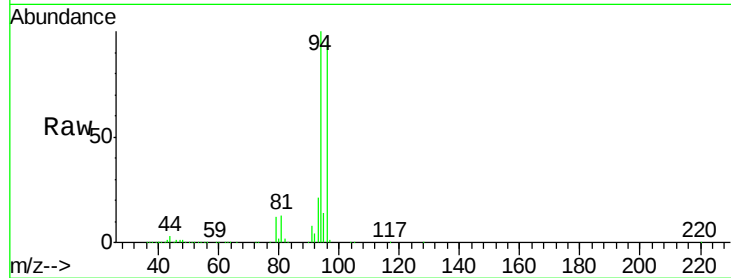
96 95.6 75.7 113.5

Manual Integrations

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#6

Chloroethane

Concen: 91.524 ug/l

RT: 1.68 min Scan# 183

Delta R.T. -0.01 min

Lab File: VU034275.D

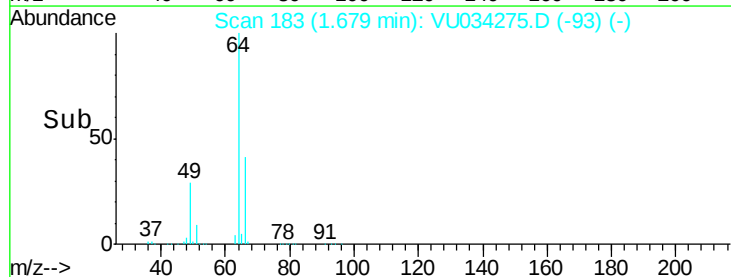
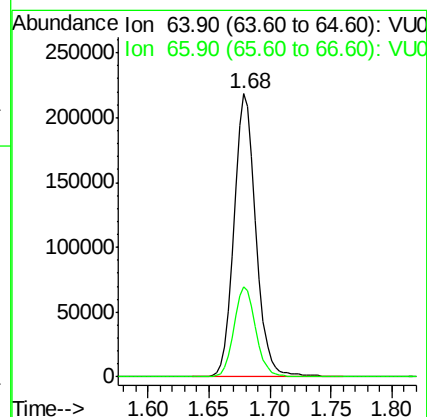
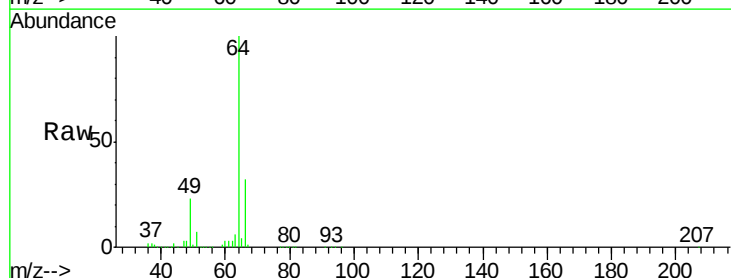
Acq: 05 Sep 2019 10:46

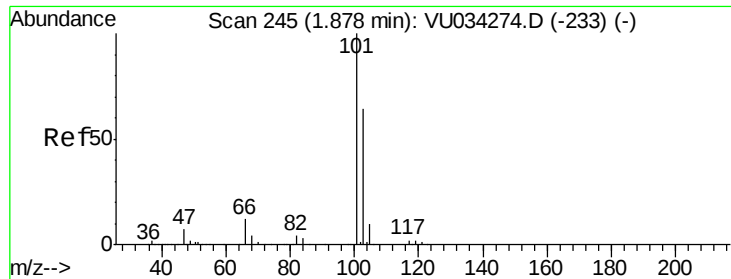
Tgt Ion: 64 Resp: 272371

Ion Ratio Lower Upper

64 100

66 31.9 25.0 37.6





#7

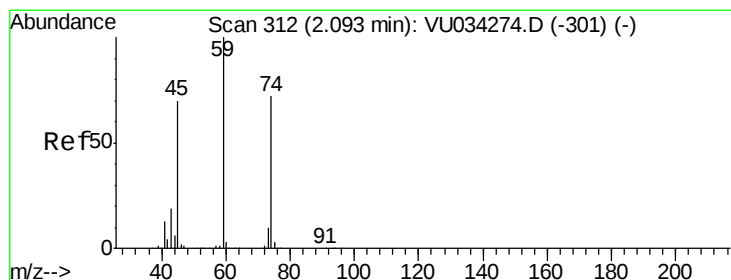
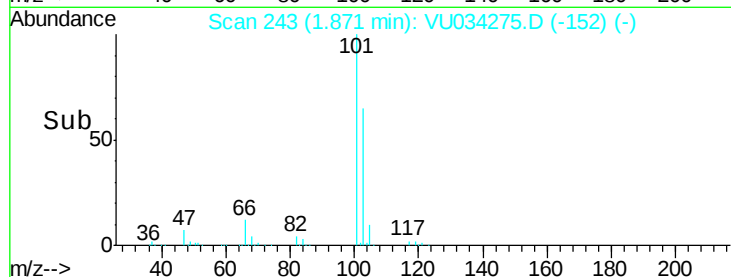
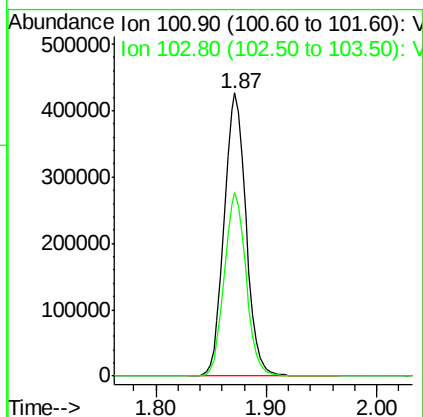
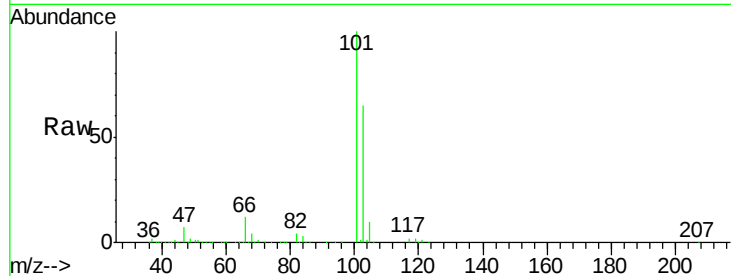
Trichlorofluoromethane
 Concen: 103.170 ug/l
 RT: 1.87 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	588291		
103	64.8	51.0	76.6	

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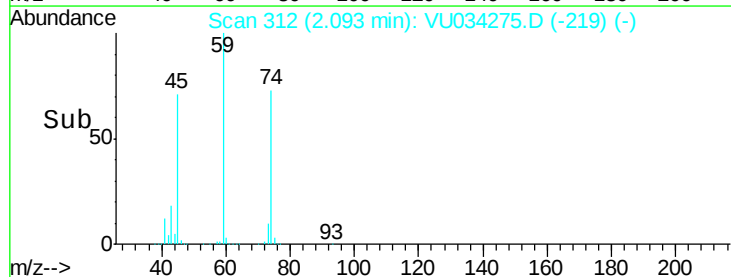
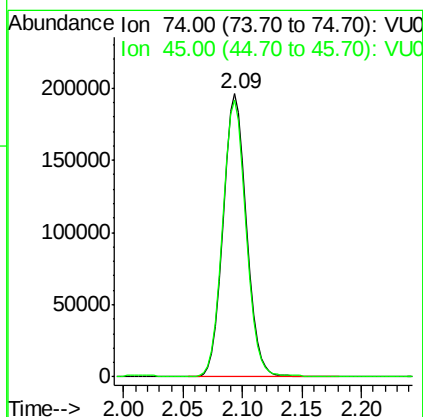
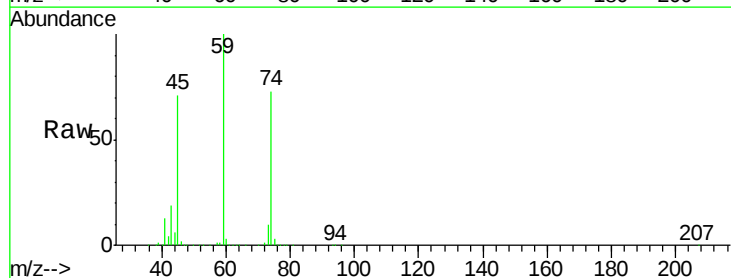
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 9/6/2019 3:21:38 PM



#8

Diethyl Ether
 Concen: 108.094 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	265990		
45	97.7	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 105.932 ug/l

RT: 2.27 min Scan# 368

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

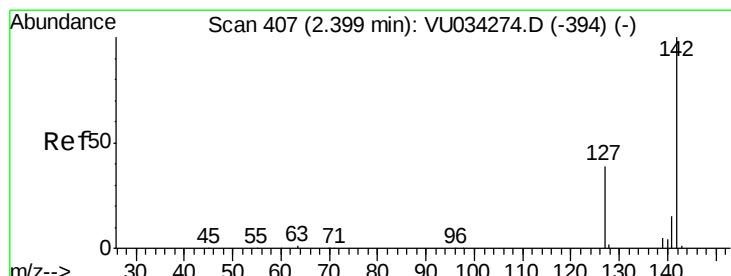
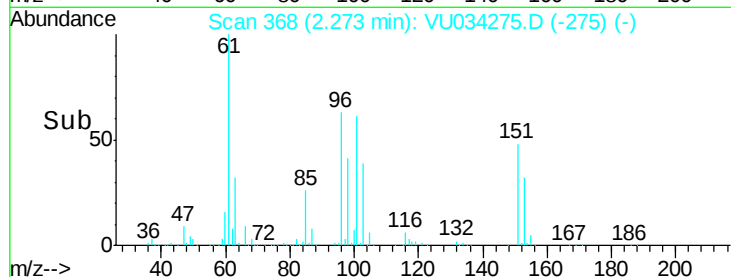
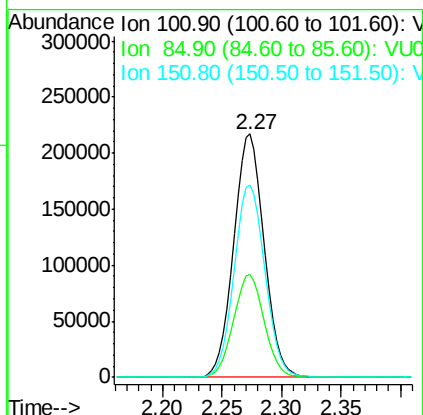
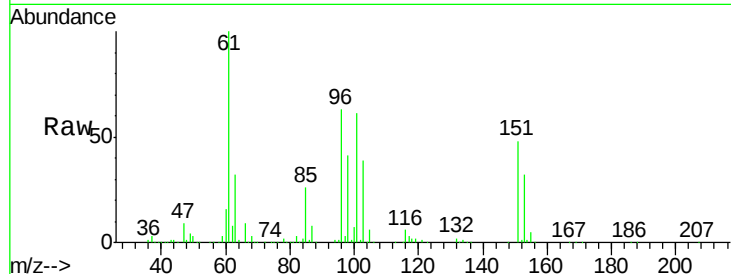
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	385323
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.4	51.6
151	80.3	64.4	96.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:38 PM



#10

Methyl Iodide

Concen: 87.452 ug/l

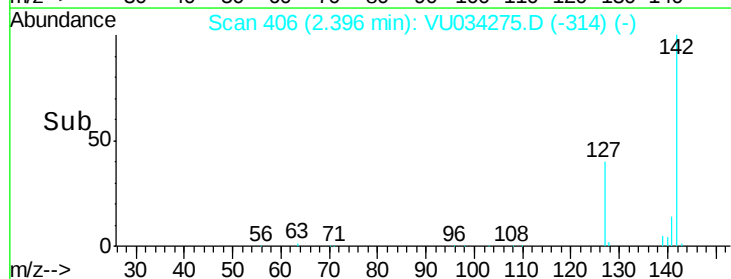
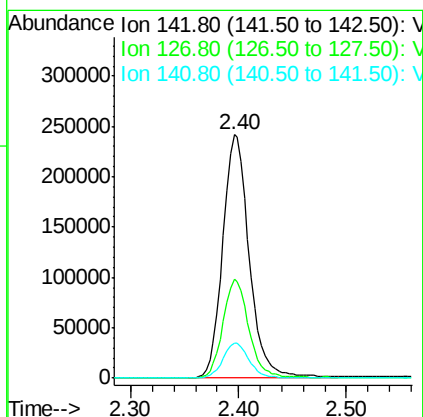
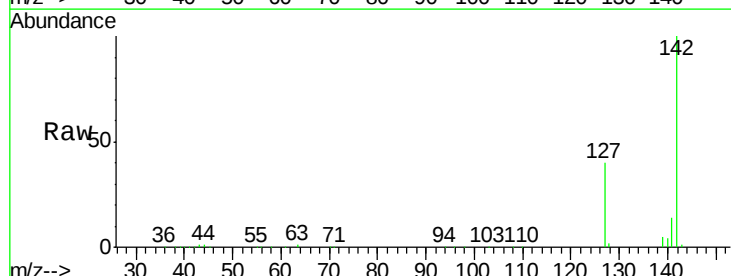
RT: 2.40 min Scan# 406

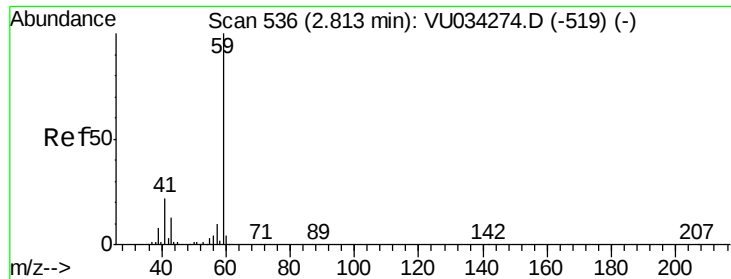
Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion:	142	Resp:	415980
Ion Ratio	Lower	Upper	
142	100		
127	39.8	32.1	48.1
141	14.3	11.5	17.3





#11

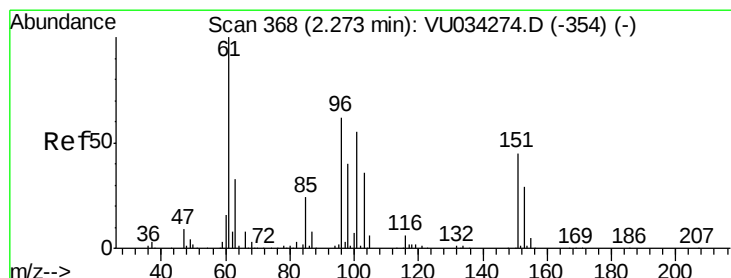
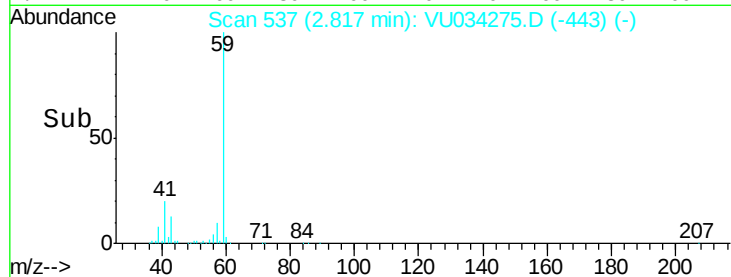
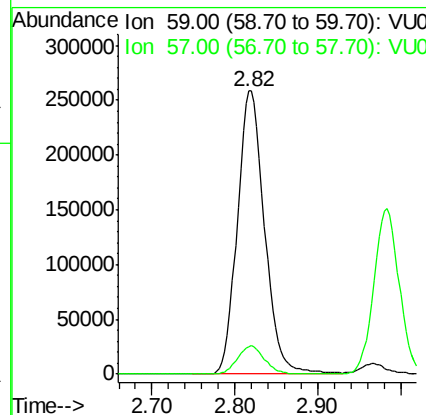
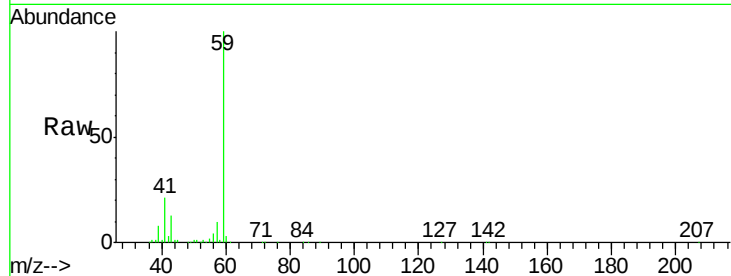
Tert butyl alcohol
Concen: 542.942 ug/l
RT: 2.82 min Scan# 537
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Resp	Lower	Upper
59	100	591713		
57	10.0		7.9	11.9

Manual Integrations
APPROVED

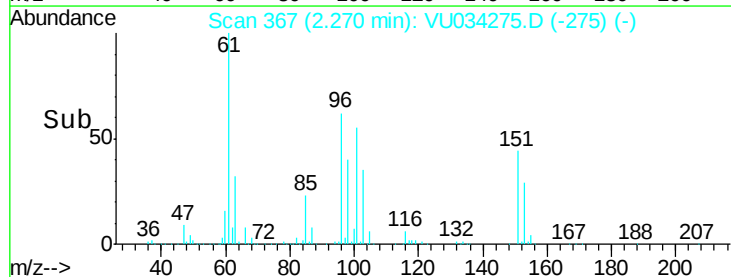
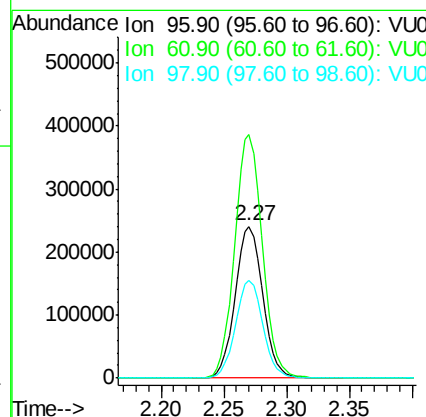
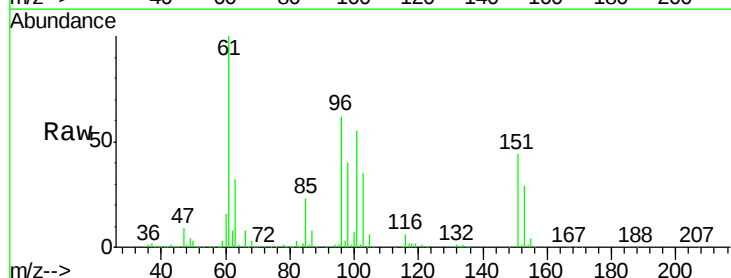
MMDadoda
9/6/2019 3:21:38 PM

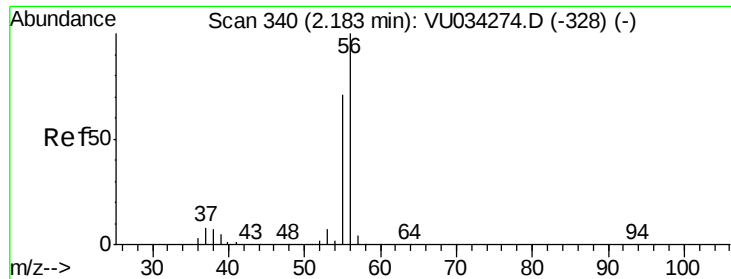


#12

1,1-Dichloroethene
Concen: 100.287 ug/l
RT: 2.27 min Scan# 367
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	367552		
61	160.5		130.0	195.0
98	64.5		52.2	78.4





#13

Acrolein

Concen: 816.731 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 454142

Ion Ratio Lower Upper

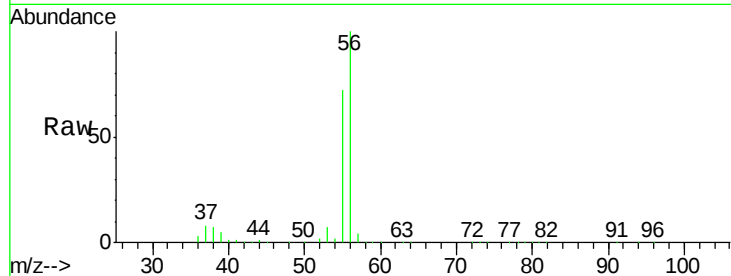
56 100

55 71.2 57.4 86.2

Manual Integrations
APPROVED

MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034275.D (-247) (-)

2.18

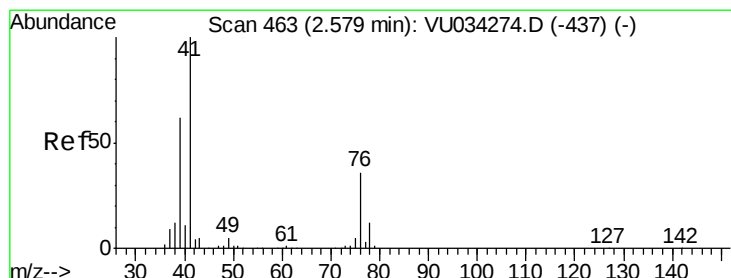
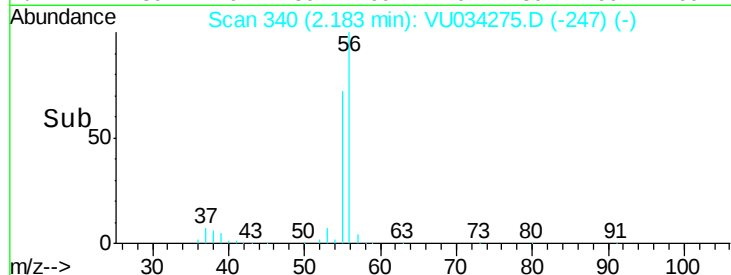
300000

200000

100000

0

Time-->



#14

Allyl chloride

Concen: 103.927 ug/l m

RT: 2.58 min Scan# 462

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

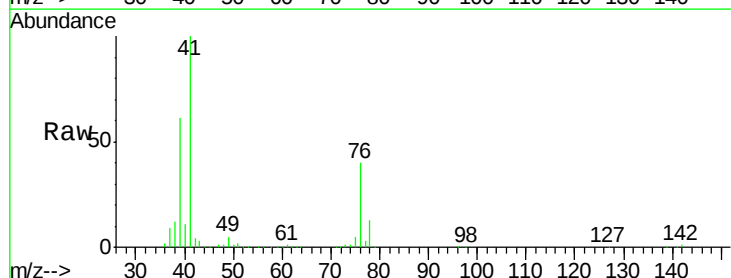
Tgt Ion: 41 Resp: 719021

Ion Ratio Lower Upper

41 100

39 54.1 43.5 65.3

76 33.8 27.0 40.6



Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034275.D (-370) (-)

Ion 75.90 (75.60 to 76.60): VU034275.D (-370) (-)

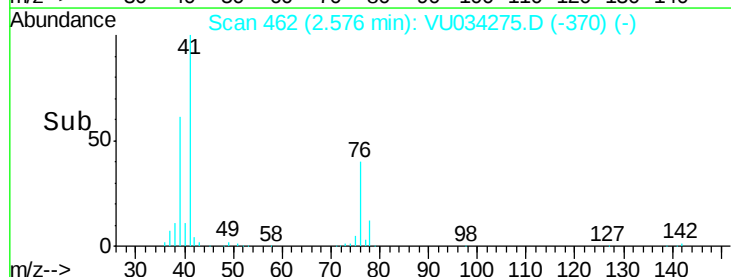
600000

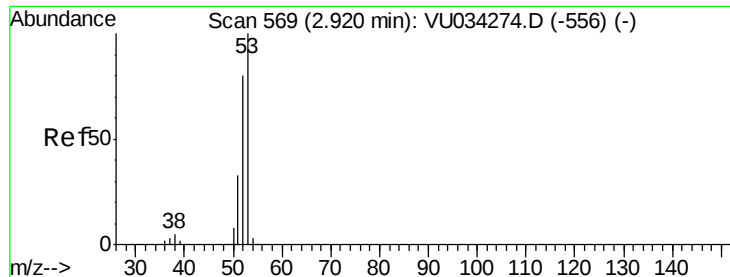
400000

200000

0

Time-->





#15

Acrylonitrile

Concen: 569.474 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1447489

Ion Ratio Lower Upper

53 100

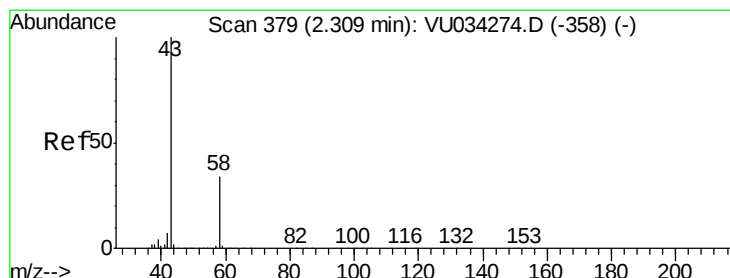
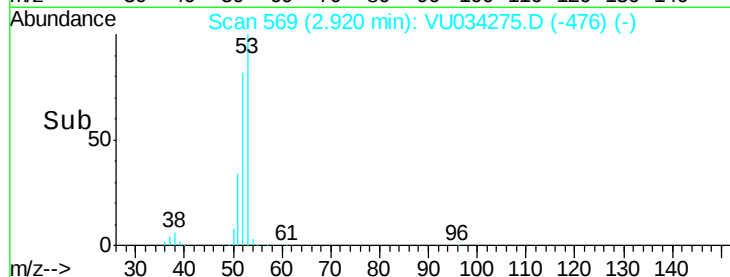
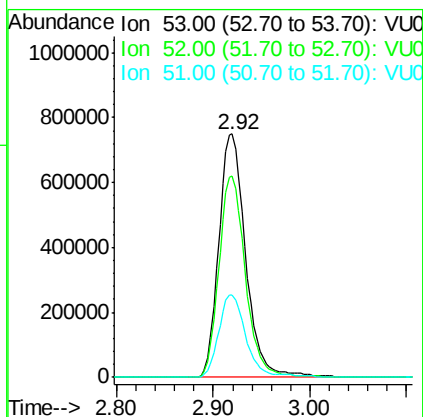
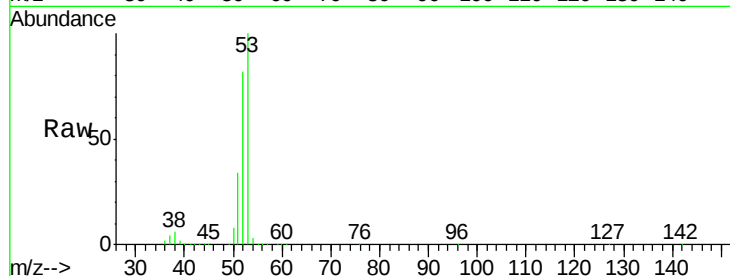
52 82.1 64.1 96.1

51 34.7 27.4 41.0

Manual Integrations
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#16

Acetone

Concen: 532.851 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034275.D

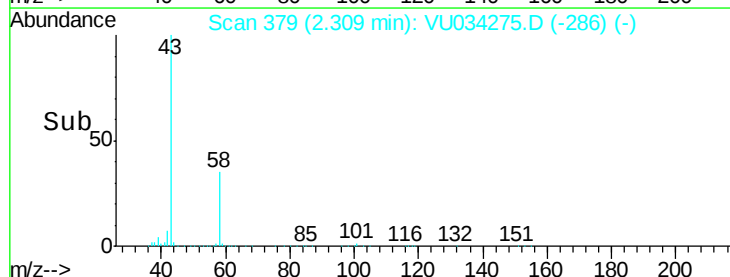
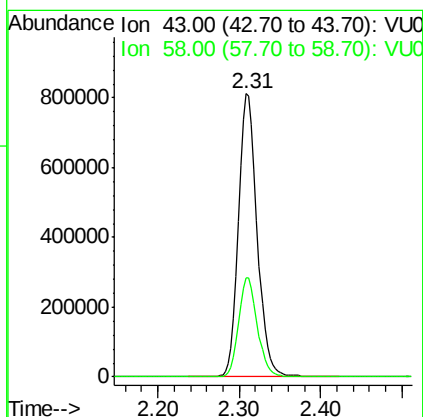
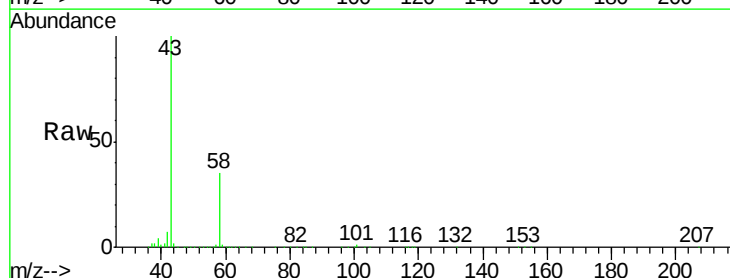
Acq: 05 Sep 2019 10:46

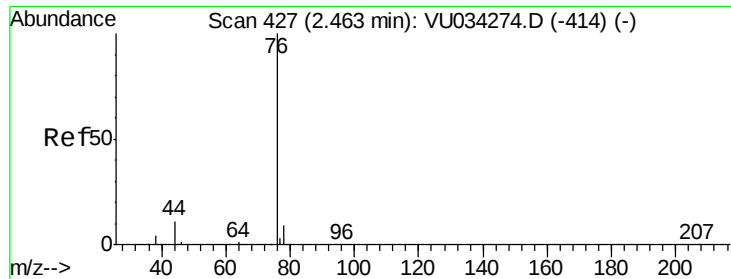
Tgt Ion: 43 Resp: 1296676

Ion Ratio Lower Upper

43 100

58 35.0 27.6 41.4





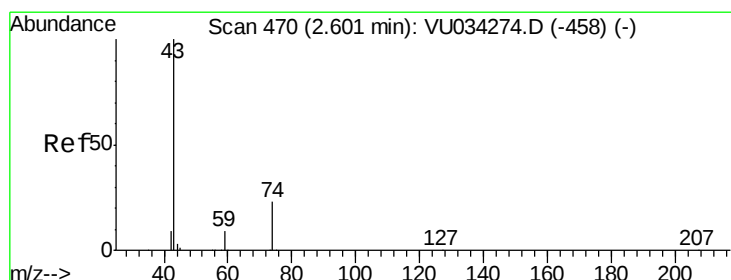
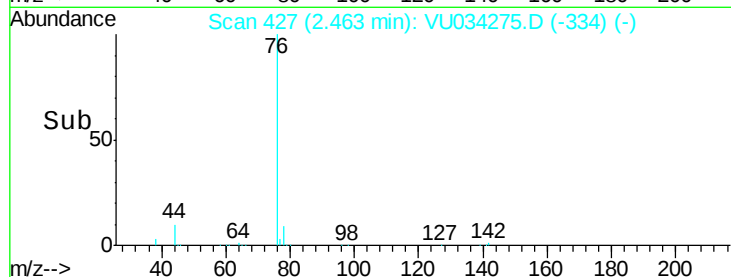
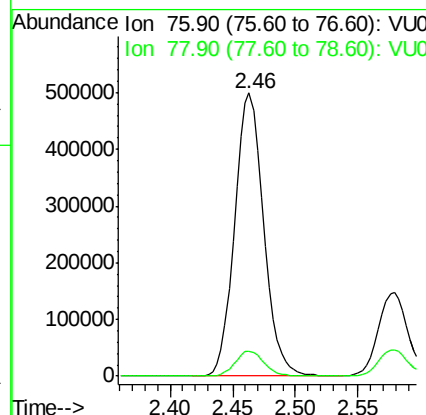
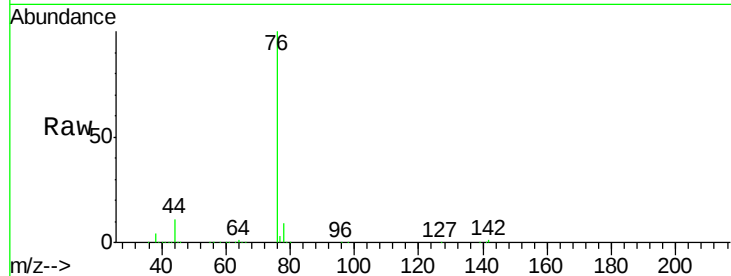
#17
Carbon Disulfide
Concen: 72.562 ug/l
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8

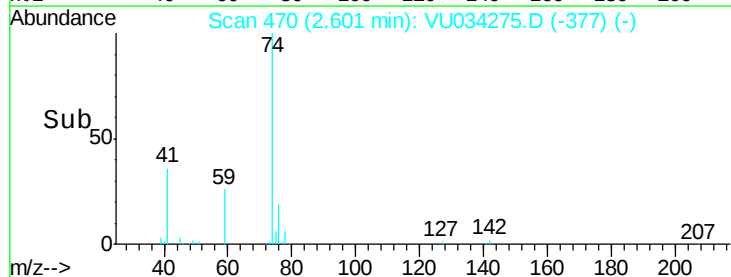
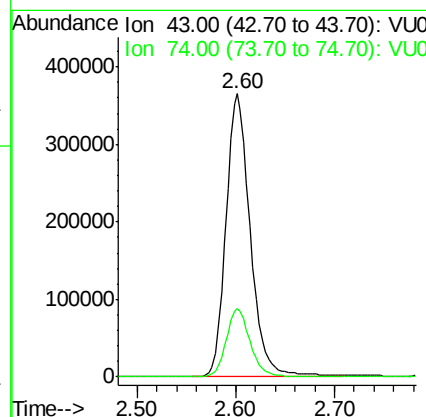
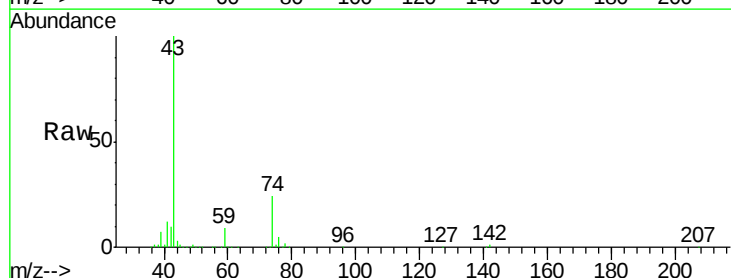
Manual Integrations
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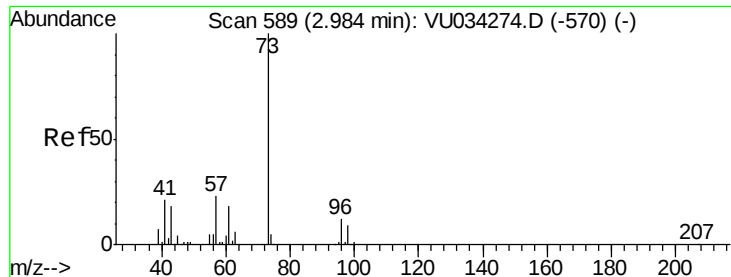
MMDadoda
9/6/2019 3:21:38 PM



#18
Methyl Acetate
Concen: 99.686 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	18.9	28.3





#19

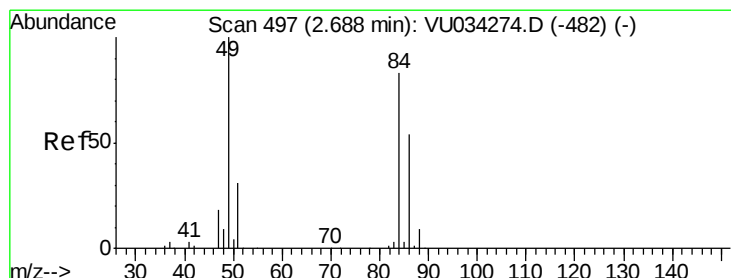
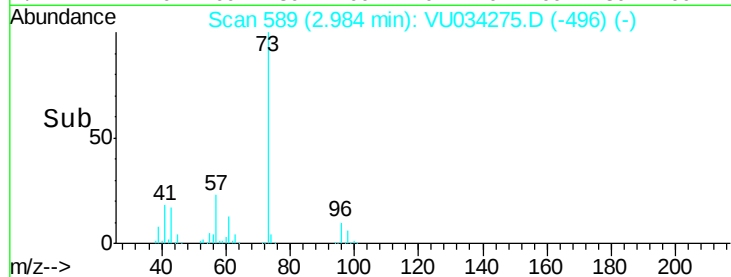
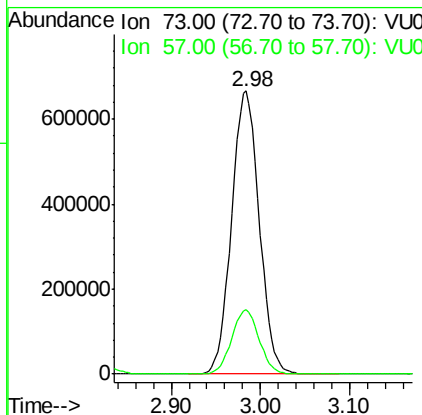
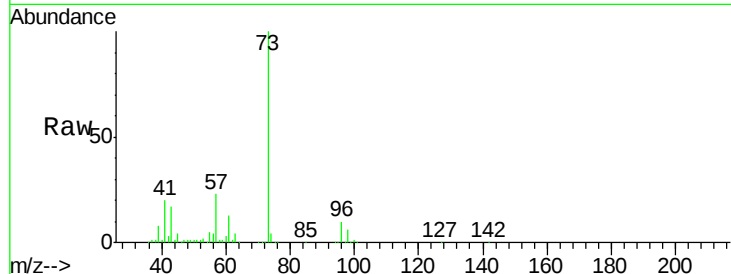
Methyl tert-butyl Ether
 Concen: 116.490 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion: 73 Resp: 1430501
 Ion Ratio Lower Upper
 73 100
 57 22.6 18.2 27.4

Manual Integrations
 APPROVED

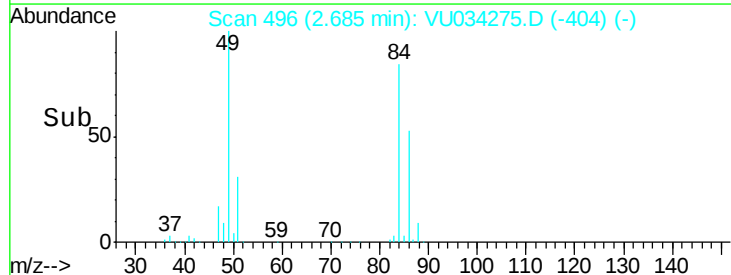
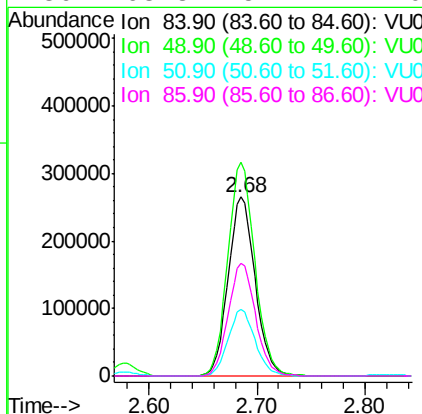
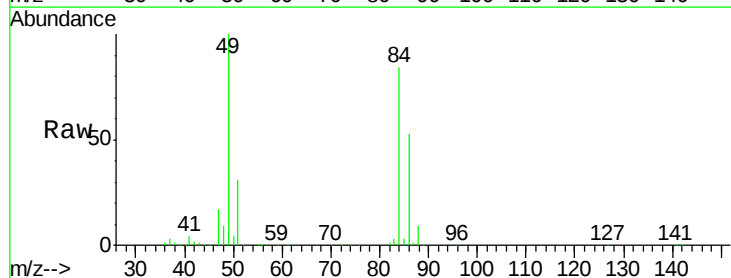
MMDadoda
 9/6/2019 3:21:38 PM

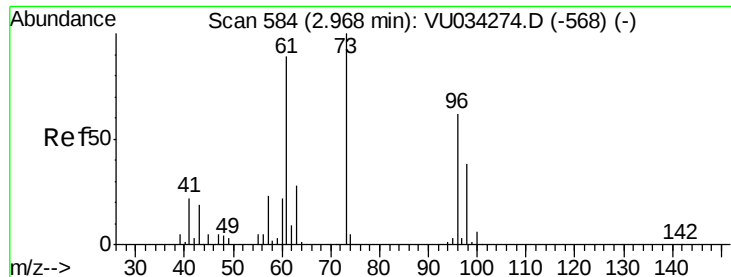


#20

Methylene Chloride
 Concen: 101.168 ug/l
 RT: 2.68 min Scan# 496
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion: 84 Resp: 463283
 Ion Ratio Lower Upper
 84 100
 49 119.5 96.0 144.0
 51 37.1 30.0 45.0
 86 63.3 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 98.220 ug/l

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 388462

Ion Ratio Lower Upper

96 100

61 142.1 114.8 172.2

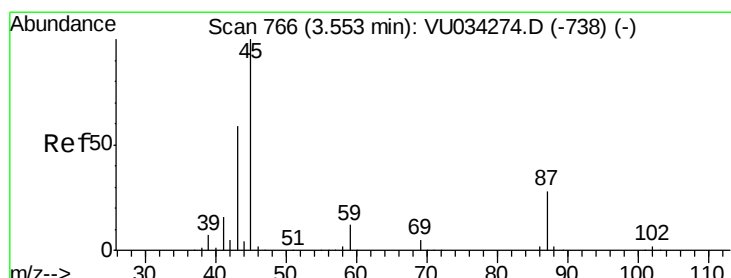
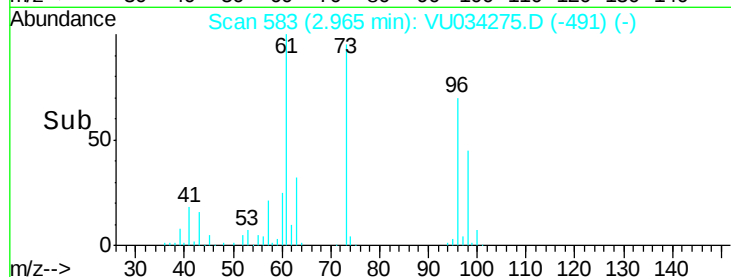
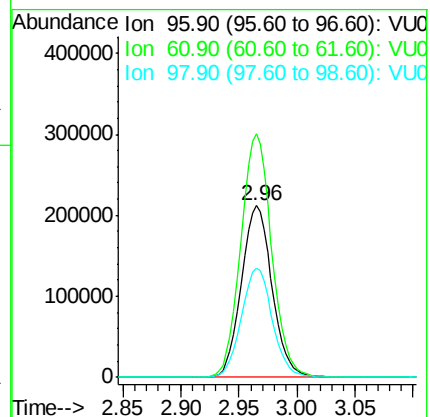
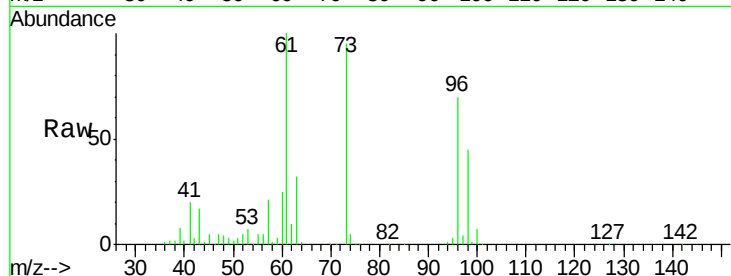
98 64.0 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 114.106 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion: 45 Resp: 1470609

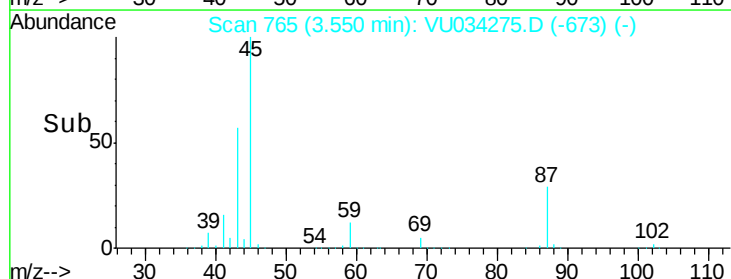
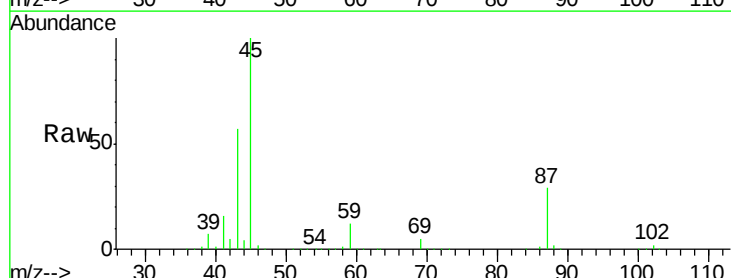
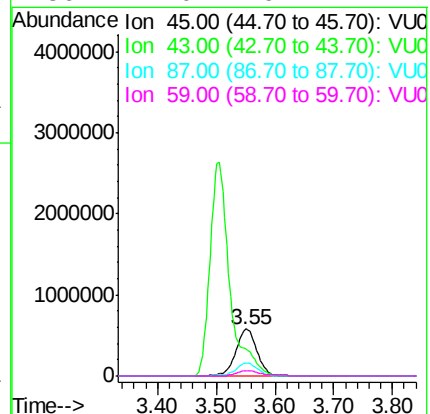
Ion Ratio Lower Upper

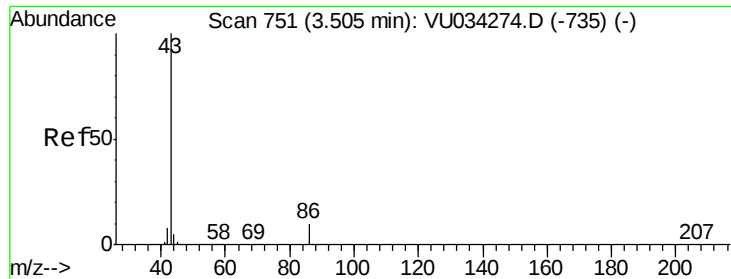
45 100

43 56.8 47.5 71.3

87 28.5 22.2 33.4

59 12.0 9.4 14.2





#23

Vinyl Acetate

Concen: 569.204 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 6244360

Ion Ratio Lower Upper

43 100

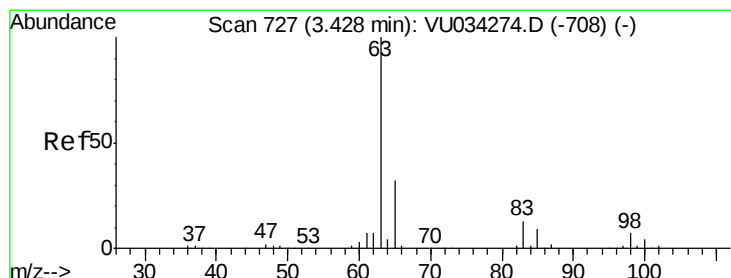
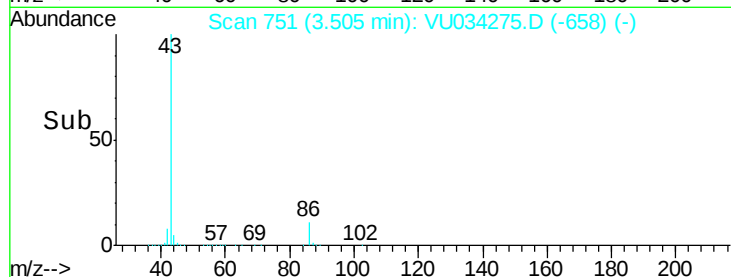
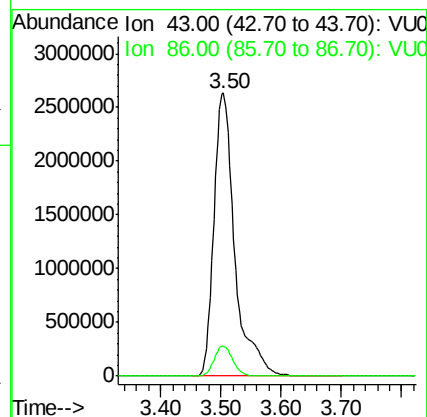
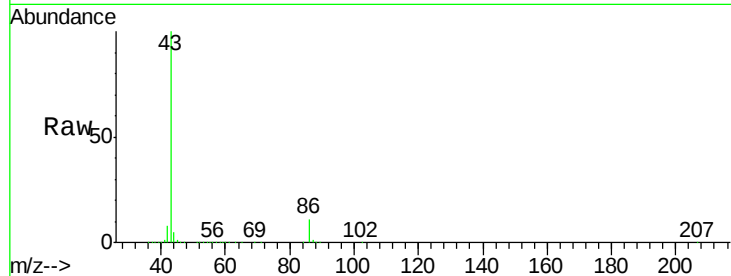
86 10.8 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 108.585 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

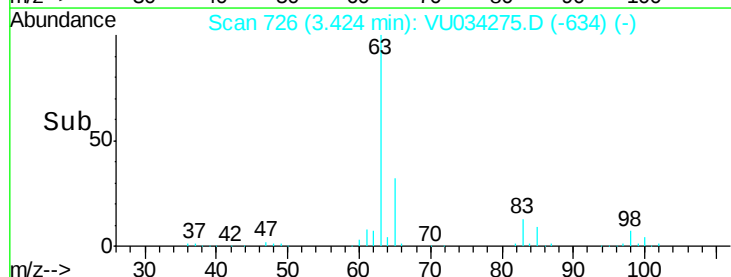
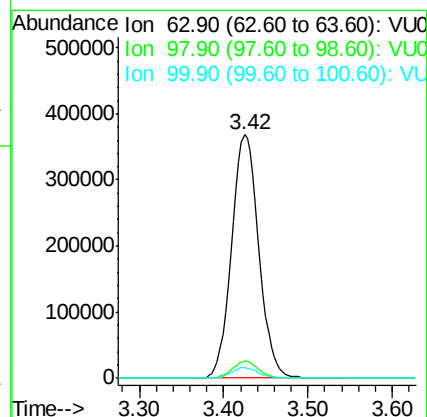
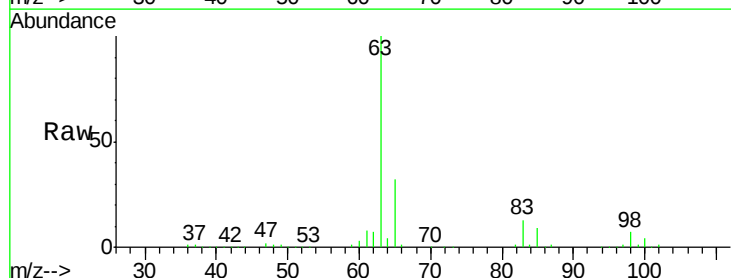
Tgt Ion: 63 Resp: 822149

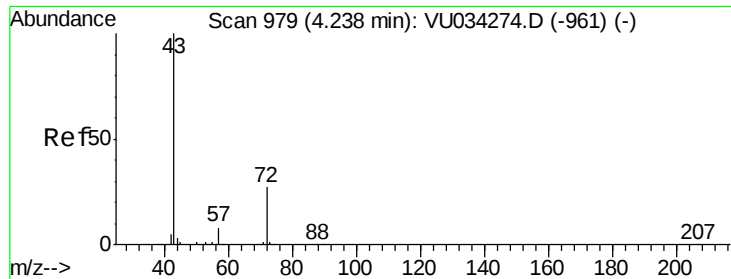
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.2 2.1 6.5





#25

2-Butanone

Concen: 582.600 ug/l

RT: 4.23 min Scan# 978

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1970612

Ion Ratio Lower Upper

43 100

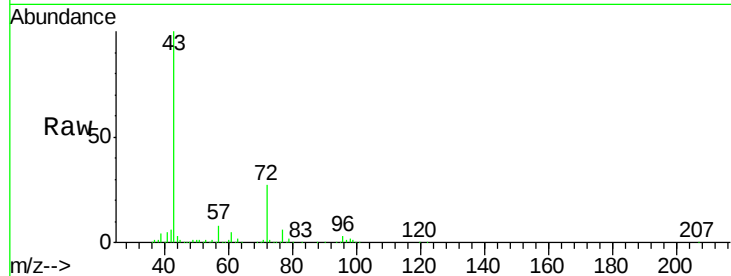
72 27.4 21.8 32.6

Manual Integrations

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

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

4.23

800000

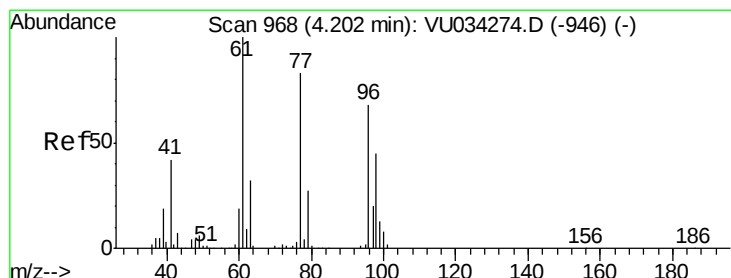
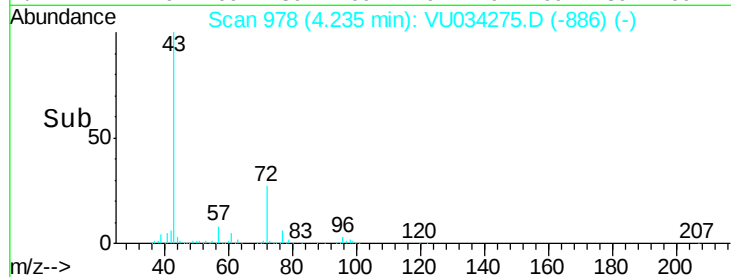
600000

400000

200000

0

Time-->



#26

2,2-Dichloropropane

Concen: 109.354 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034275.D

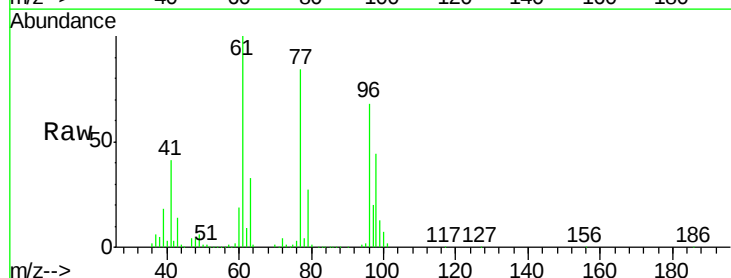
Acq: 05 Sep 2019 10:46

Tgt Ion: 77 Resp: 672803

Ion Ratio Lower Upper

77 100

97 23.8 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034275.D (-875) (-)

Ion 96.90 (96.60 to 97.60): VU034275.D (-875) (-)

4.20

300000

250000

200000

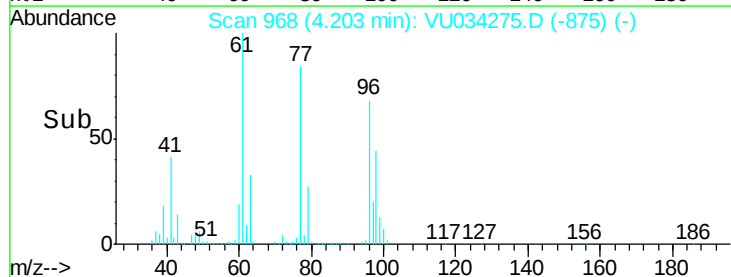
150000

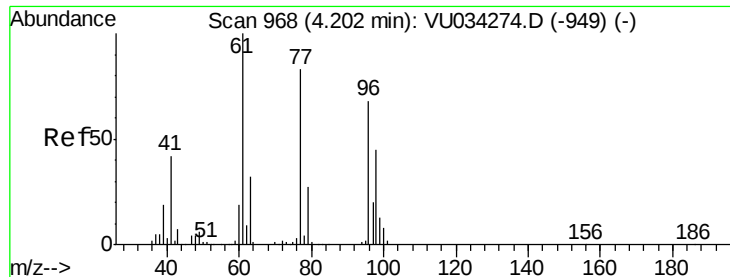
100000

50000

0

Time-->





#27

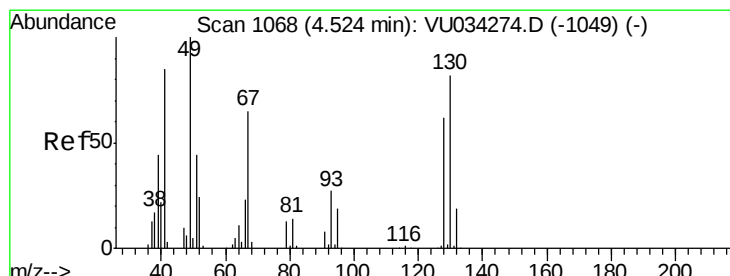
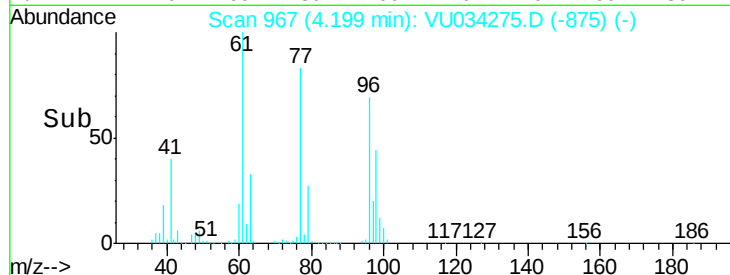
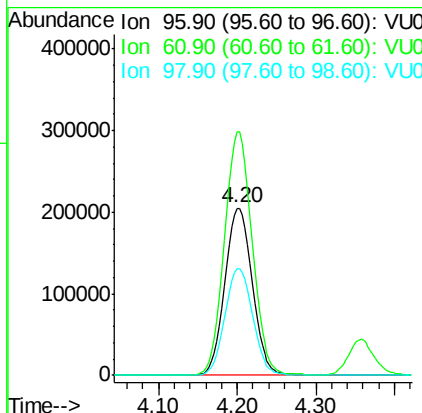
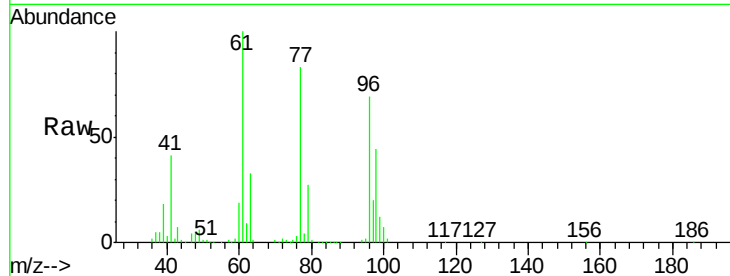
cis-1,2-Dichloroethene
Concen: 109.687 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	495496		
61	146.9	0.0	297.4	
98	64.6	0.0	130.0	

Manual Integrations
APPROVED

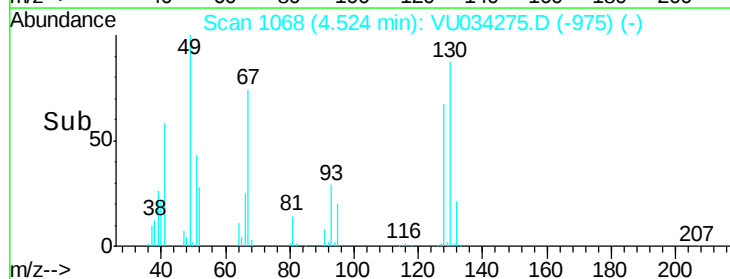
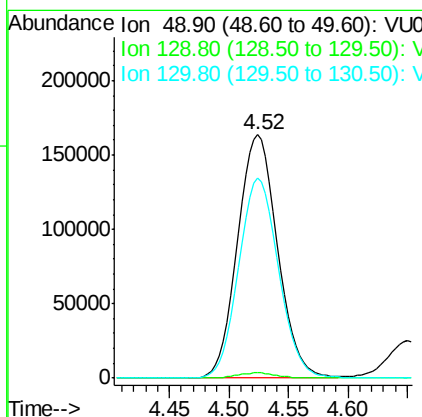
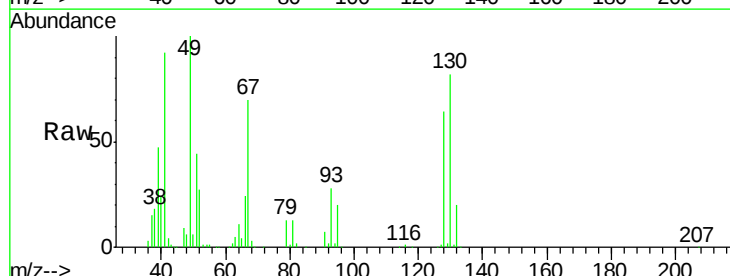
MMDadoda
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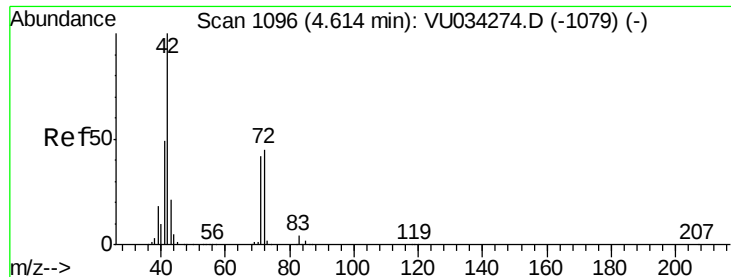


#28

Bromochloromethane
Concen: 101.563 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	381141		
129	2.1	0.0	3.8	
130	82.3	65.2	97.8	





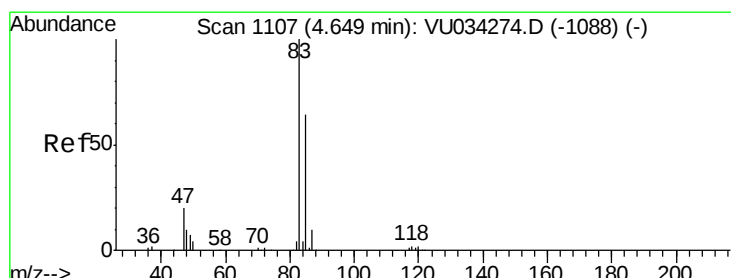
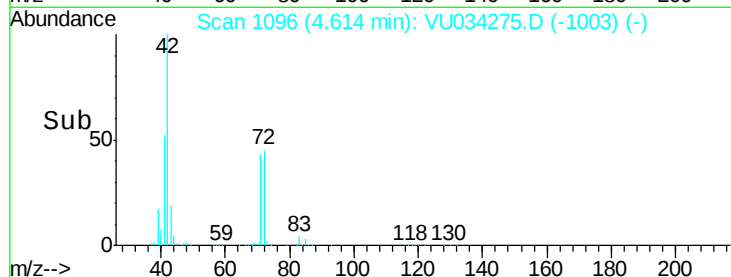
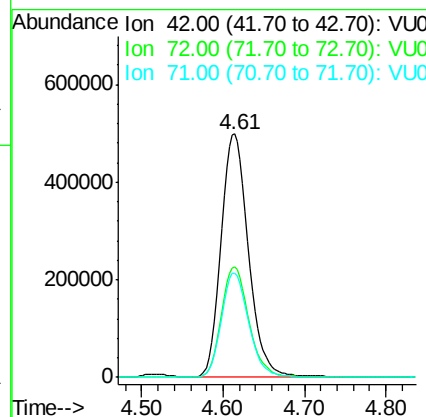
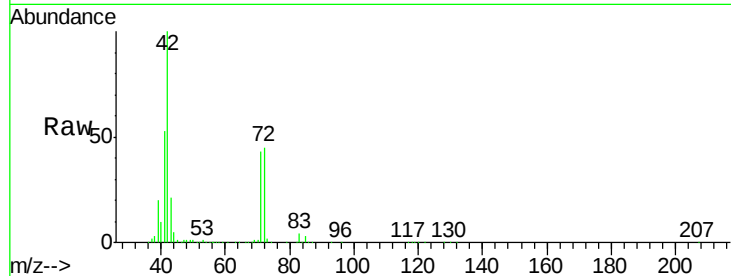
#29
Tetrahydrofuran
Concen: 566.393 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 42 Resp: 1181784
Ion Ratio Lower Upper
42 100
72 45.9 36.6 54.8
71 42.9 34.3 51.5

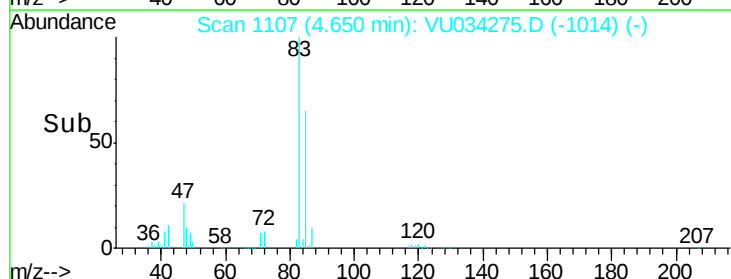
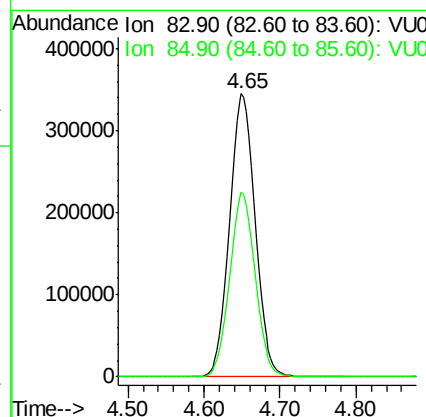
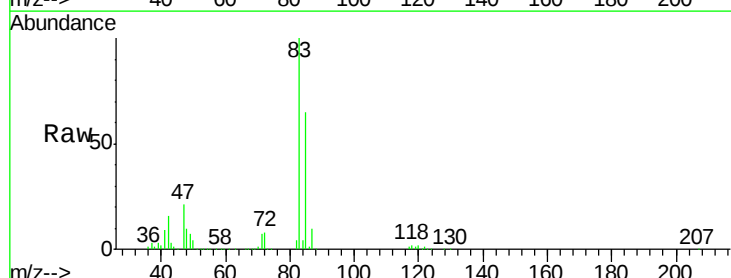
Manual Integrations
APPROVED

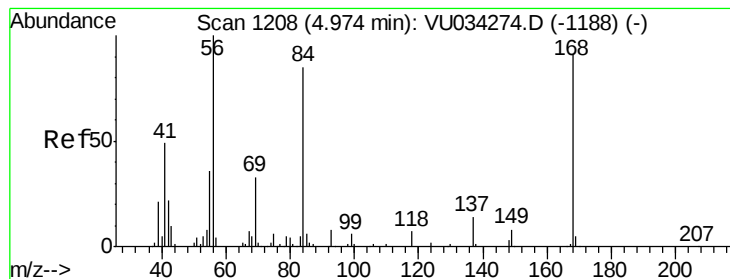
MMDadoda
9/6/2019 3:21:38 PM



#30
Chloroform
Concen: 106.761 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 83 Resp: 812765
Ion Ratio Lower Upper
83 100
85 65.2 51.5 77.3





#31

Cyclohexane

Concen: 90.076 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 614309

Ion Ratio Lower Upper

56 100

69 30.9 26.7 40.1

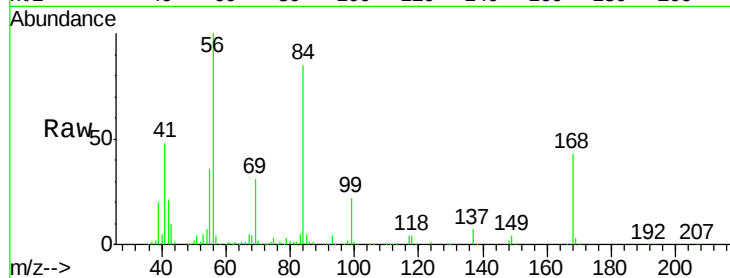
84 84.1 68.2 102.4

Manual Integrations

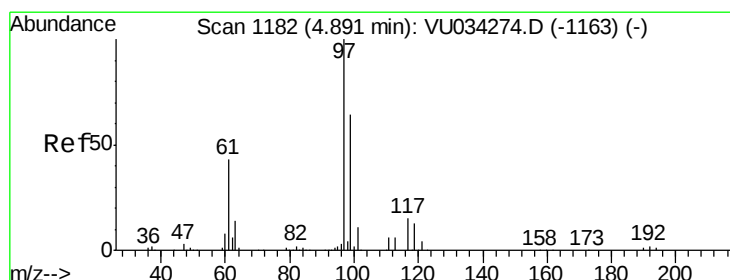
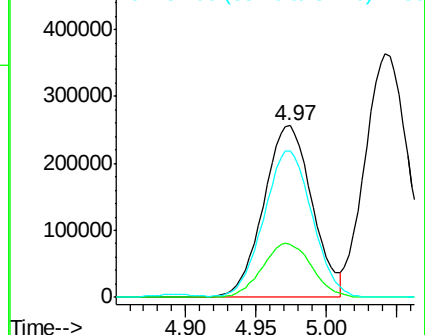
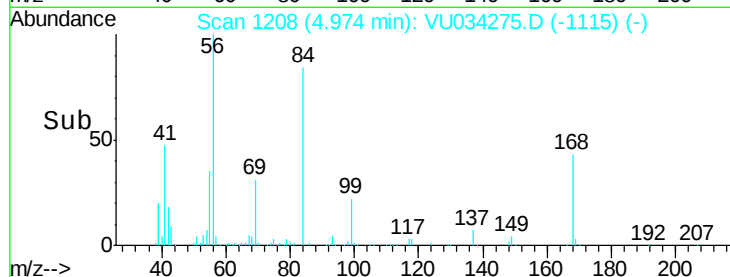
APPROVED

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9/6/2019 3:21:38 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034275.D (-1115) (-)



#32

1,1,1-Trichloroethane

Concen: 108.406 ug/l

RT: 4.89 min Scan# 1182

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

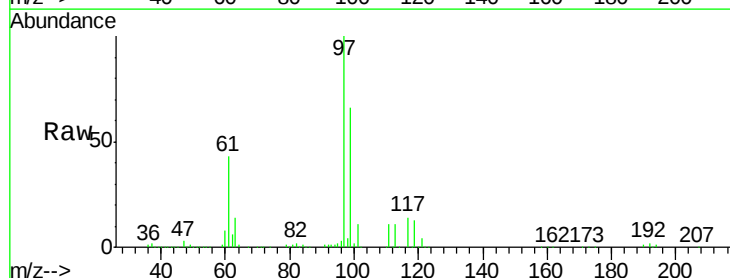
Tgt Ion: 97 Resp: 671220

Ion Ratio Lower Upper

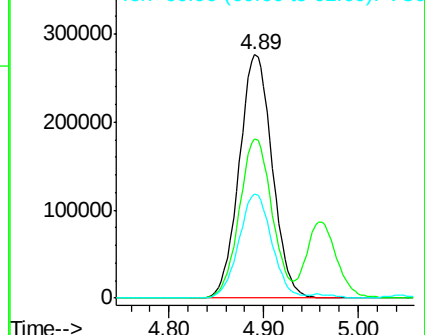
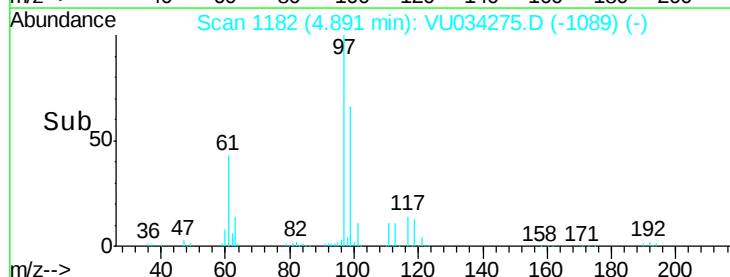
97 100

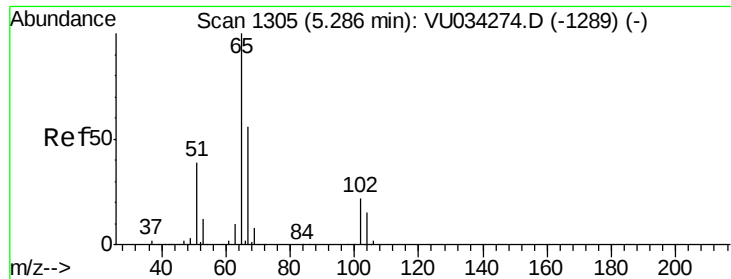
99 65.2 50.9 76.3

61 42.7 34.7 52.1



Abundance Ion 96.90 (96.60 to 97.60): VU034275.D (-1089) (-)





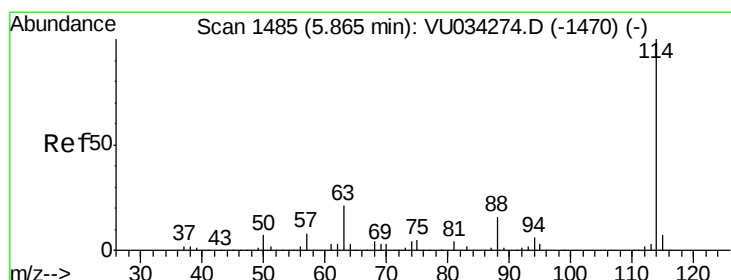
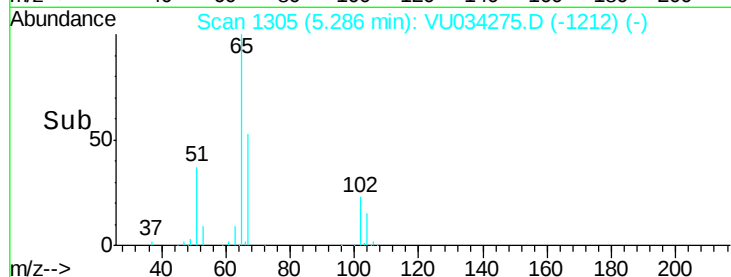
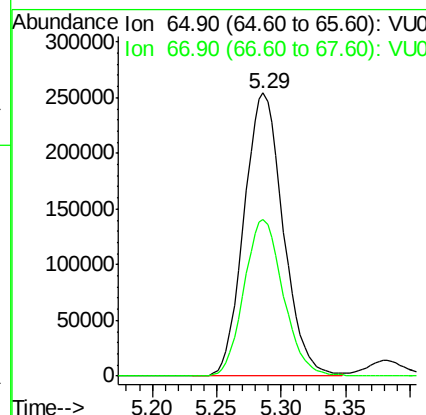
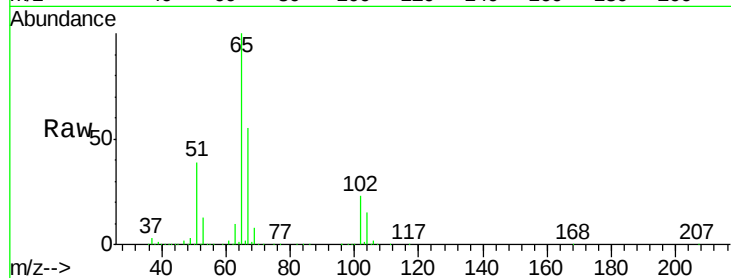
#33
 1,2-Dichloroethane-d4
 Concen: 110.658 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
65	100	538133		
67	55.4	0.0	112.4	

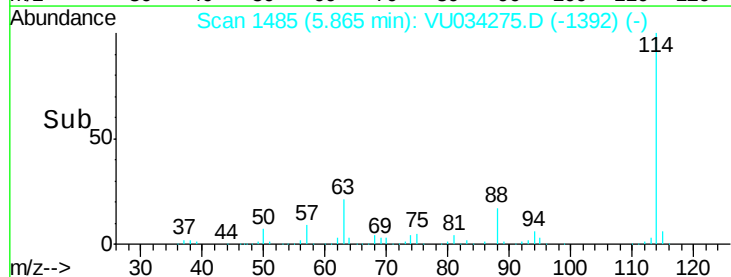
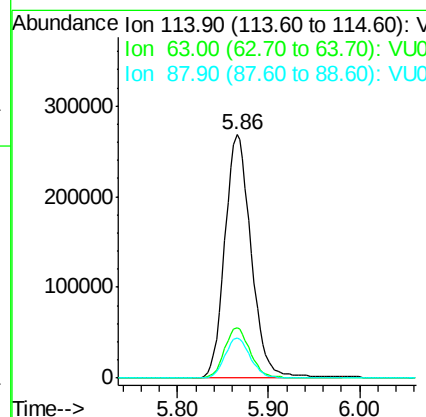
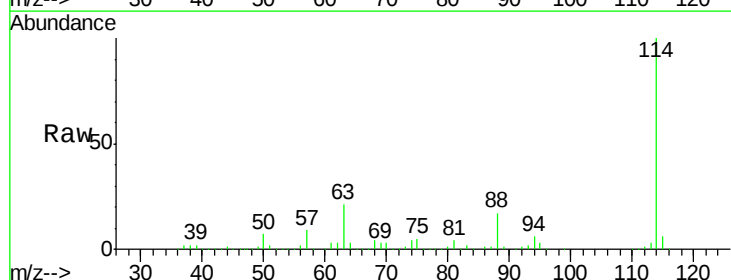
Manual Integrations
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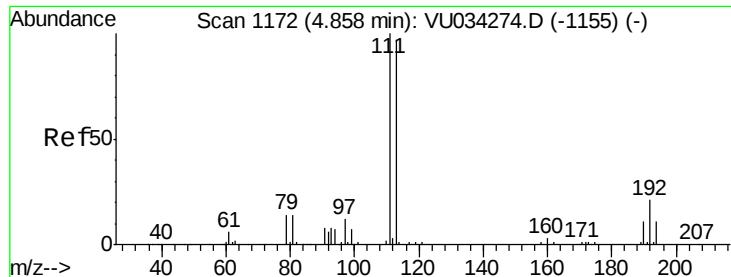
MMDadoda
 9/6/2019 3:21:38 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	541528		
63	20.9	0.0	42.4	
88	16.6	0.0	32.4	





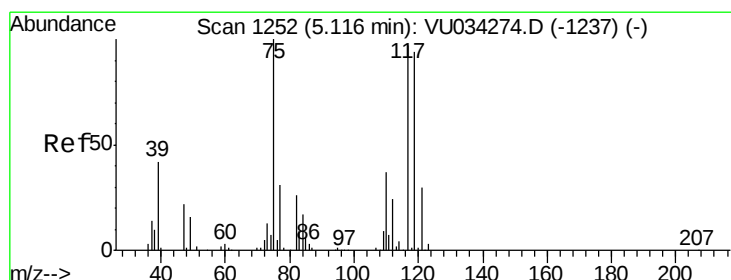
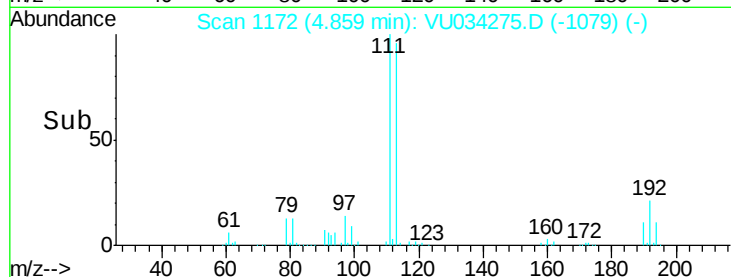
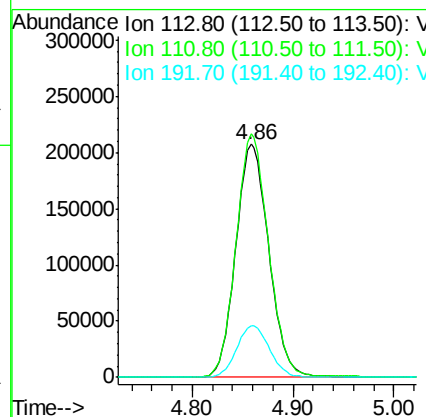
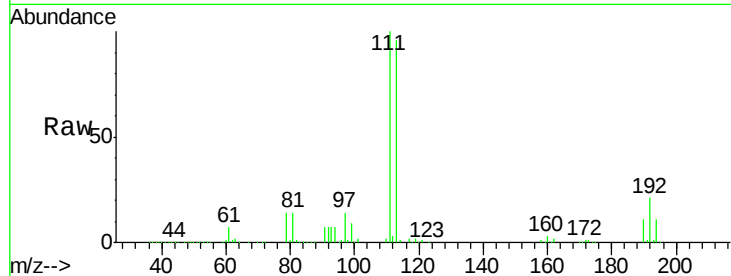
#35
 Dibromofluoromethane
 Concen: 119.012 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	472619		
111	102.6	81.5	122.3	
192	22.1	17.8	26.8	

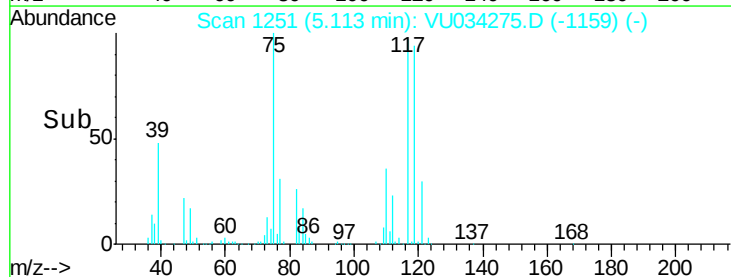
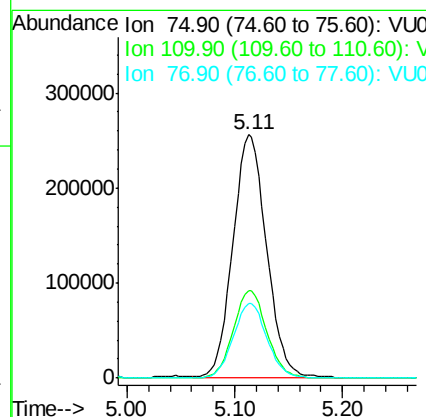
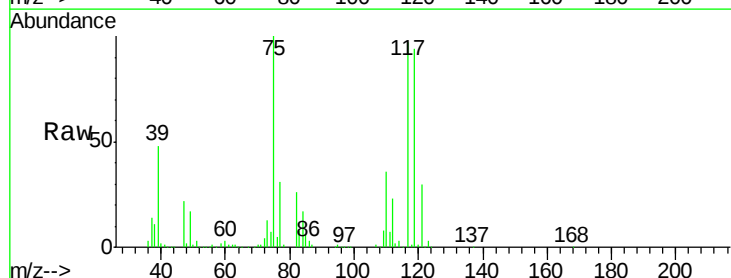
Manual Integrations
 APPROVED

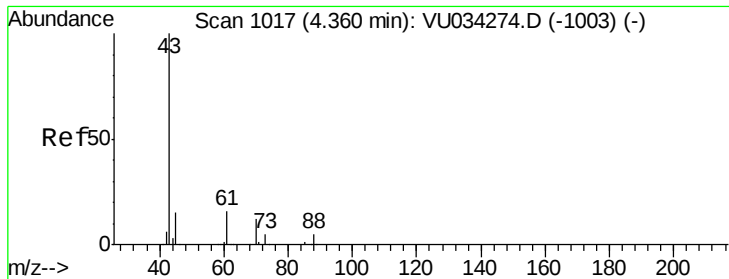
MMDadoda
 9/6/2019 3:21:38 PM



#36
 1,1-Dichloropropene
 Concen: 107.781 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	552812		
110	36.2	18.3	54.9	
77	30.9	24.9	37.3	





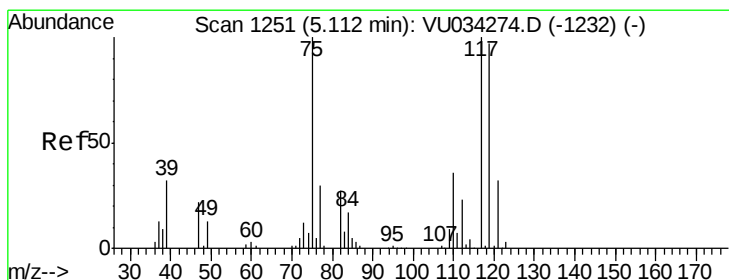
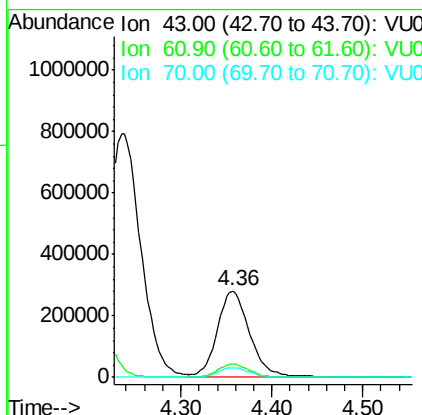
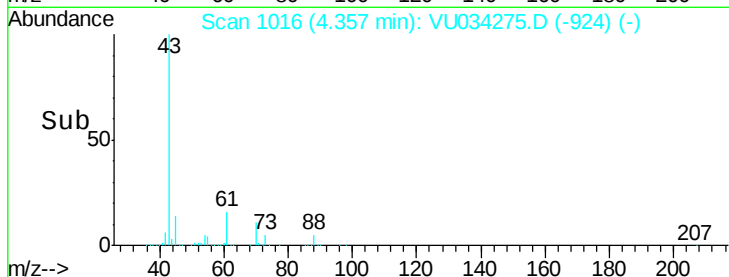
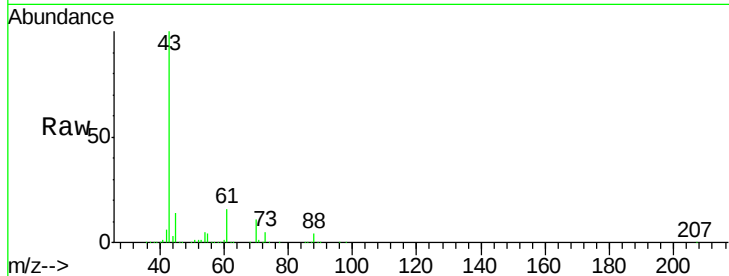
#37
Ethyl Acetate
Concen: 116.837 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.3	18.5
70	11.2	9.1	13.7

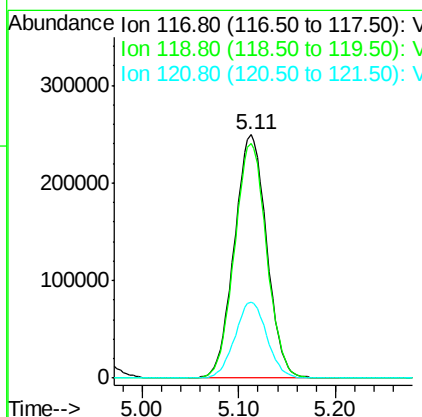
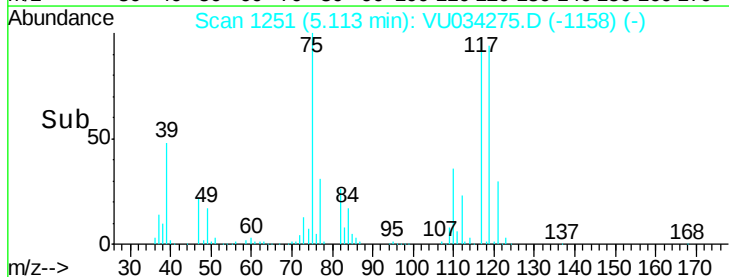
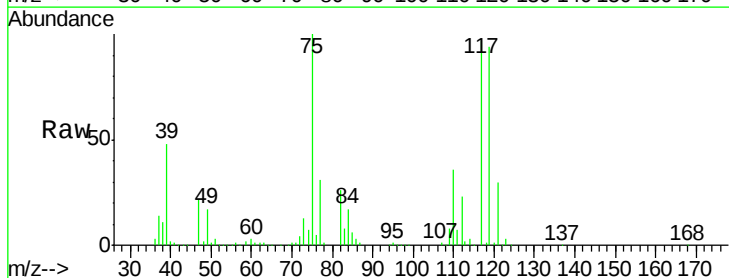
Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:38 PM



#38
Carbon Tetrachloride
Concen: 114.540 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.6
121	31.1	25.2	37.8





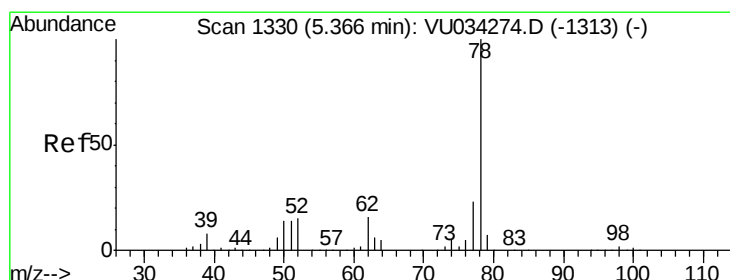
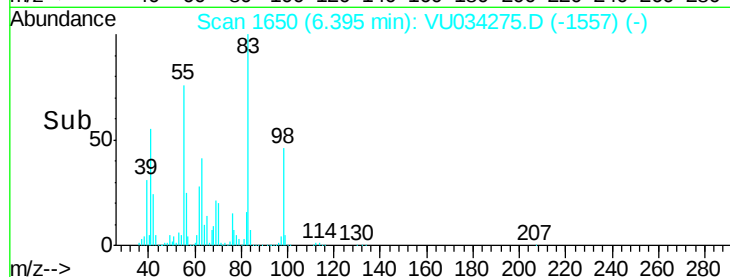
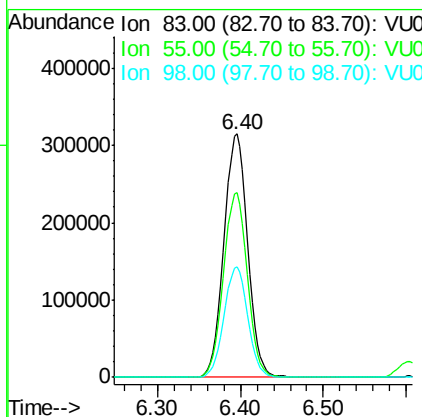
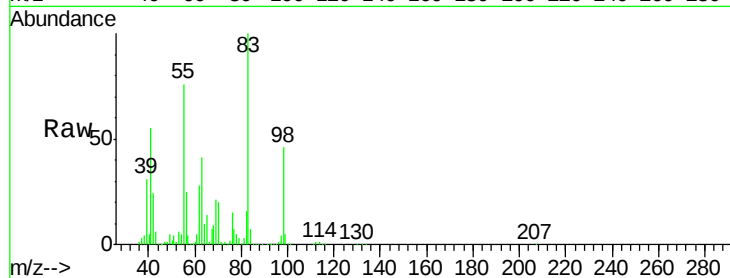
#39
Methvlcvclohexane
Concen: 105.640 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	62.1	93.1
98	45.6	37.0	55.6

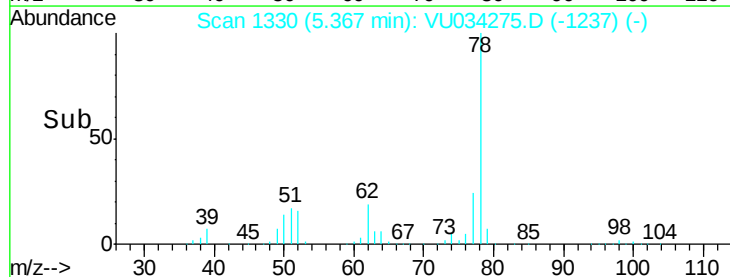
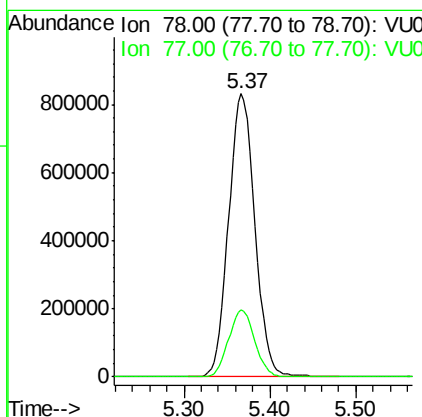
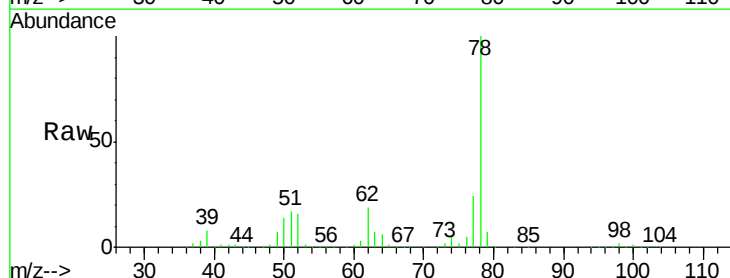
Manual Integrations
APPROVED

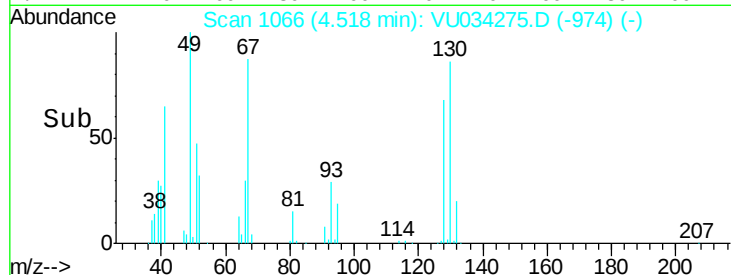
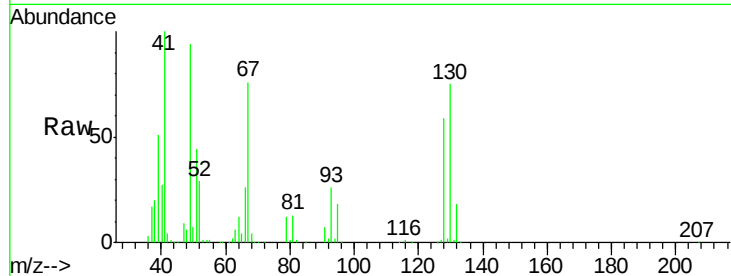
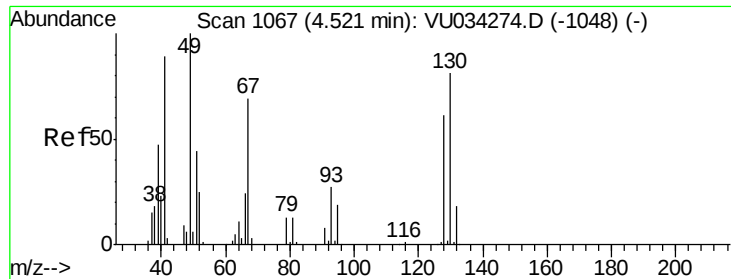
MMDadoda
9/6/2019 3:21:38 PM



#40
Benzene
Concen: 112.211 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





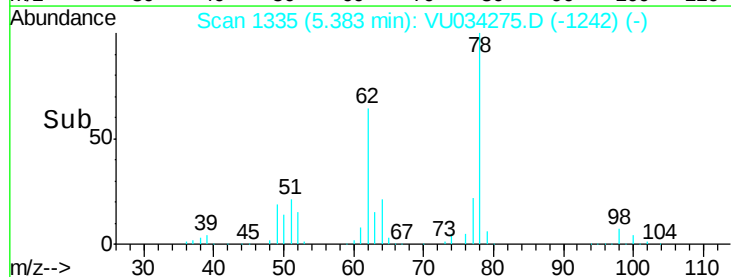
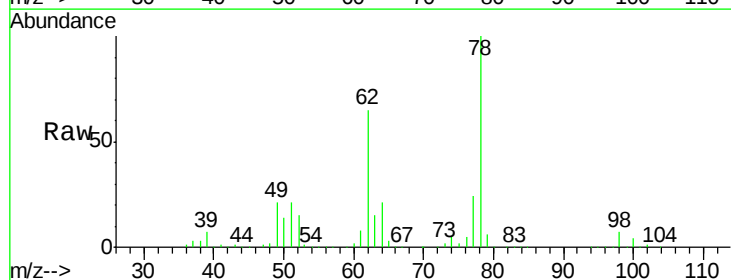
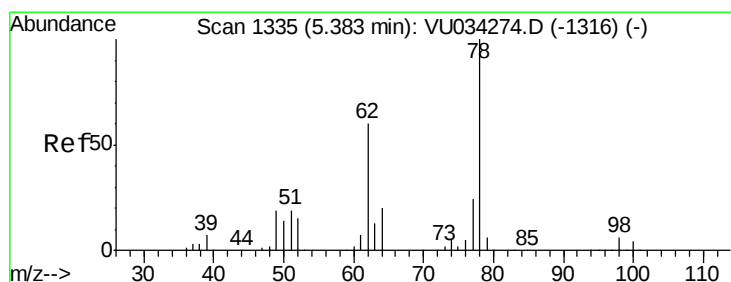
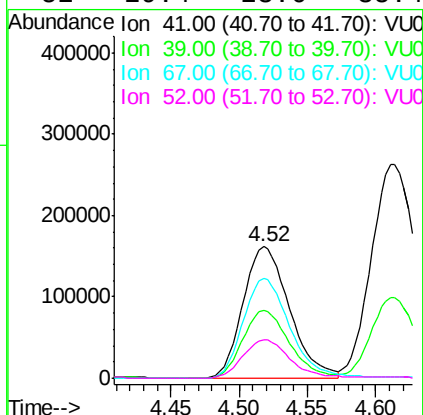
#41
Methacrylonitrile
Concen: 126.346 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.2	41.0	61.4
67	77.5	62.4	93.6
52	29.4	23.6	35.4

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

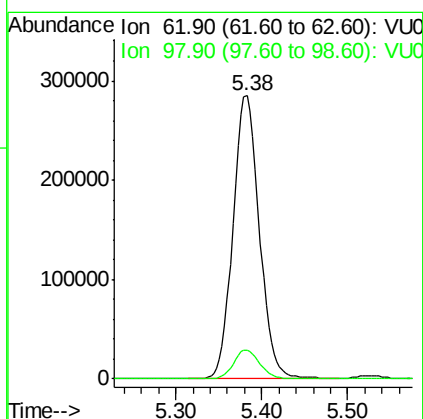
Manual Integrations
APPROVED

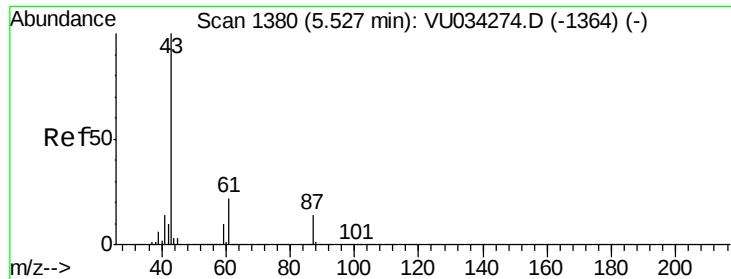
MMDadoda
9/6/2019 3:21:38 PM



#42
1,2-Dichloroethane
Concen: 111.811 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 123.197 ug/l

RT: 5.53 min Scan# 1380

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1097409

Ion Ratio Lower Upper

43 100

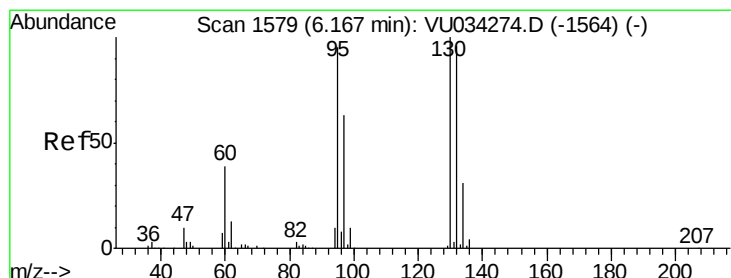
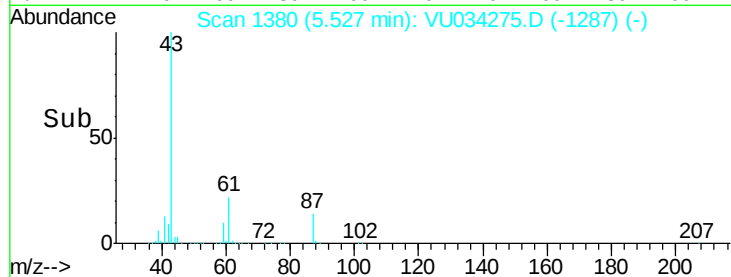
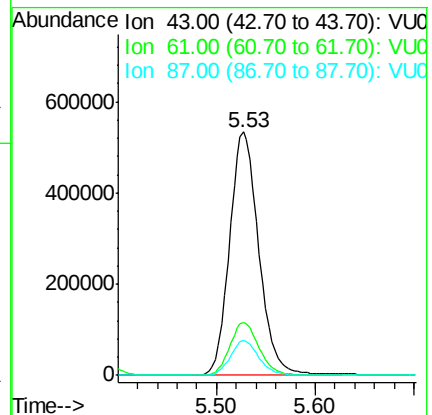
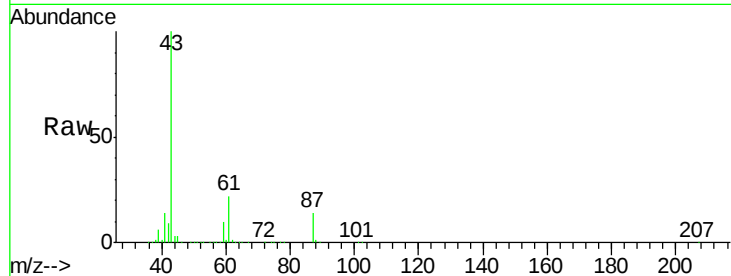
61 21.9 17.1 25.7

87 14.0 11.1 16.7

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#44

Trichloroethene

Concen: 116.756 ug/l

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034275.D

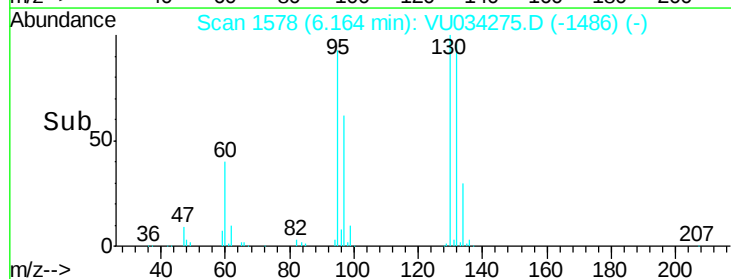
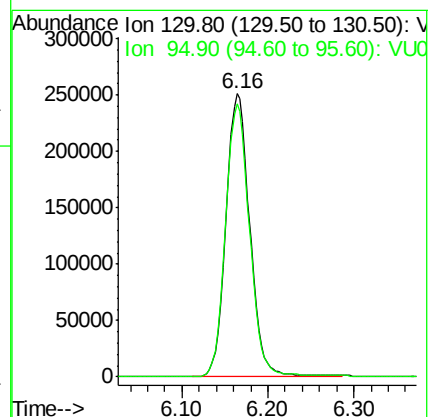
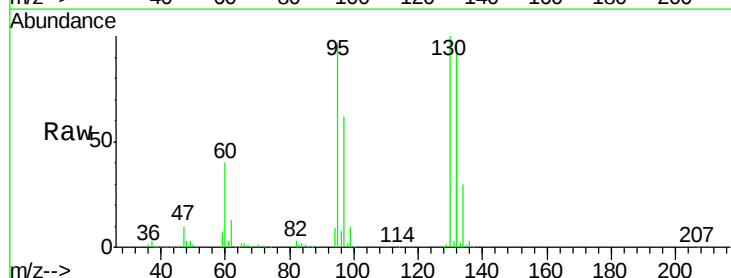
Acq: 05 Sep 2019 10:46

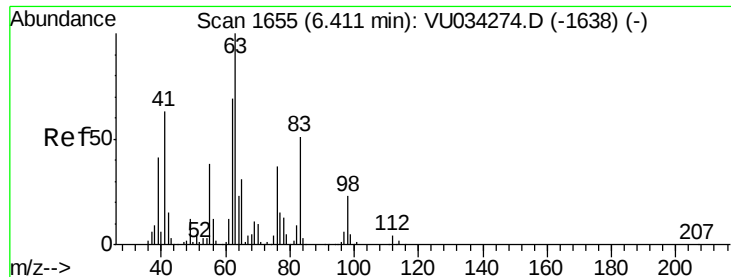
Tgt Ion: 130 Resp: 487276

Ion Ratio Lower Upper

130 100

95 96.5 0.0 189.2





#45

1,2-Dichloropropane

Concen: 119.008 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 520217

Ion Ratio Lower Upper

63 100

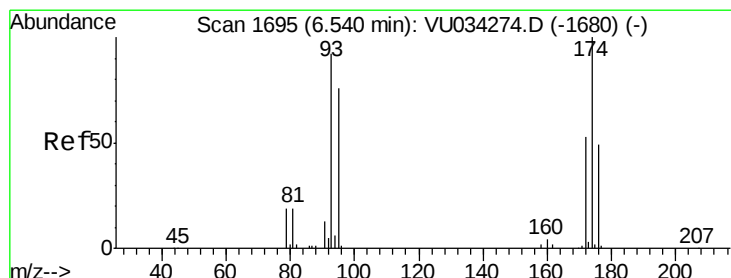
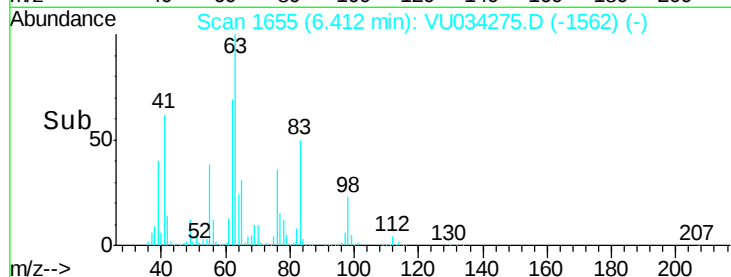
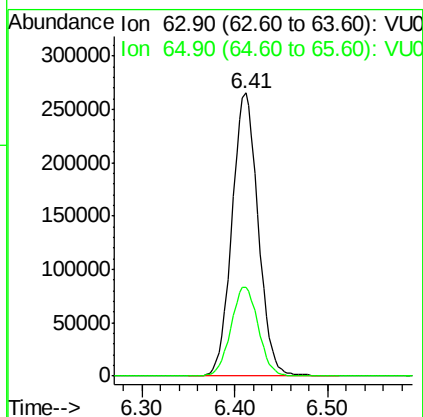
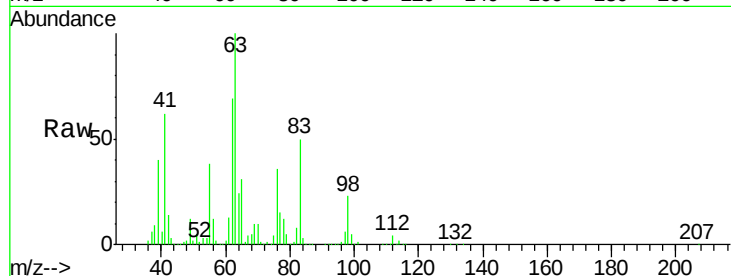
65 31.4 24.6 37.0

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#46

Dibromomethane

Concen: 116.173 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

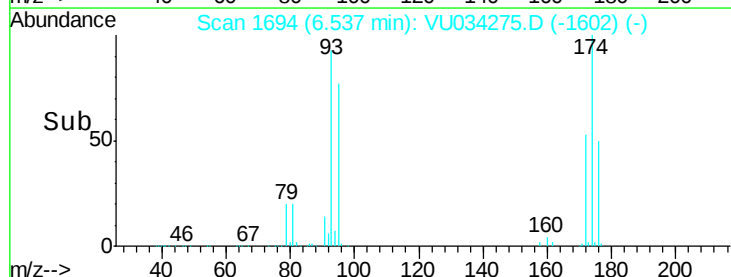
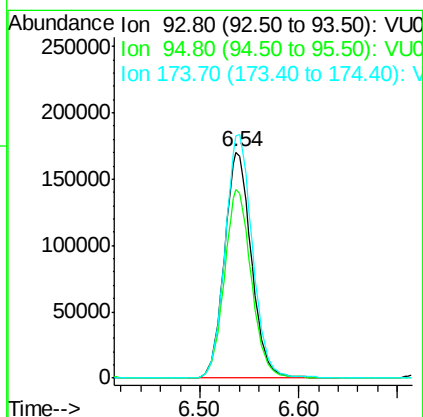
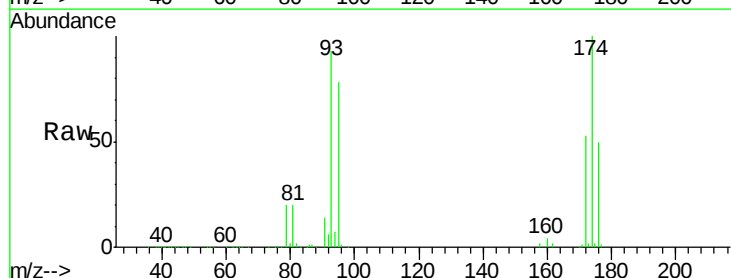
Tgt Ion: 93 Resp: 326718

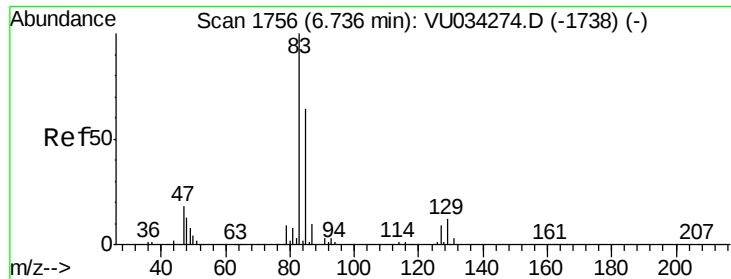
Ion Ratio Lower Upper

93 100

95 82.4 66.5 99.7

174 109.3 87.8 131.6





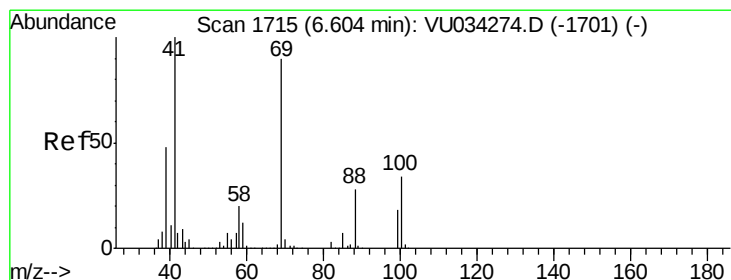
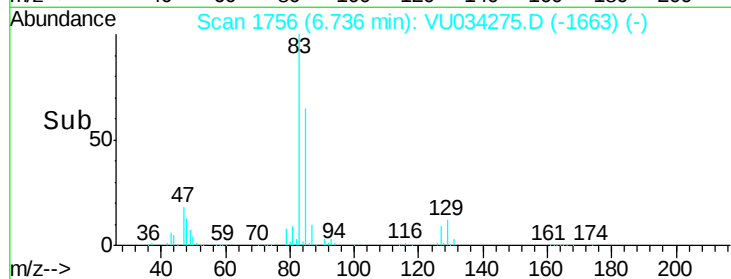
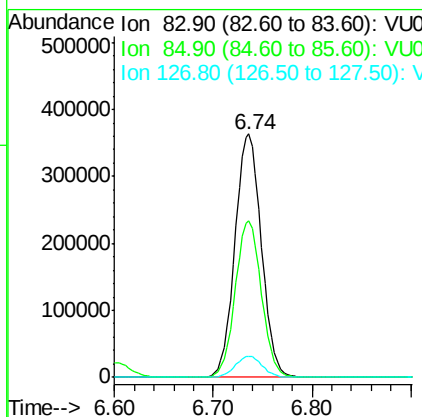
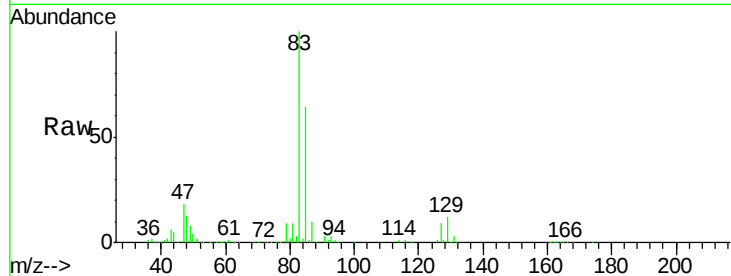
#47
Bromodichloromethane
Concen: 121.675 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	674748		
85	64.3		51.1	76.7
127	8.8		7.2	10.8

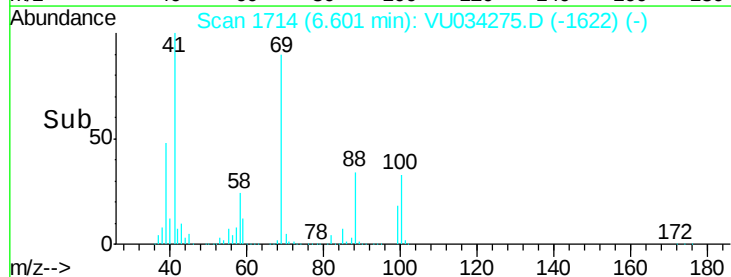
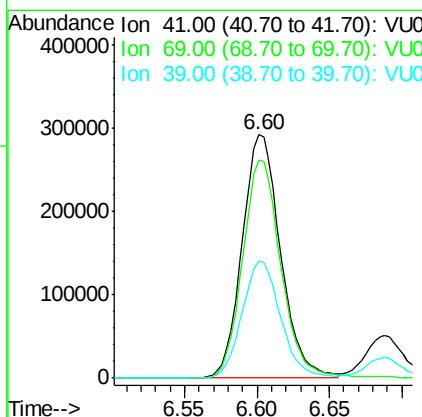
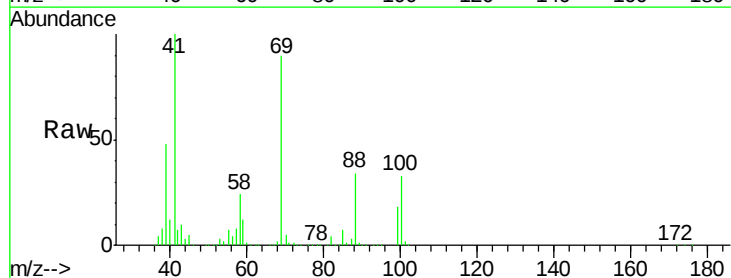
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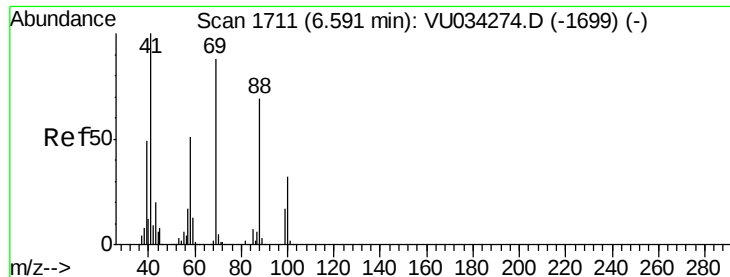
MMDadoda
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#48
Methyl methacrylate
Concen: 125.573 ug/l
RT: 6.60 min Scan# 1714
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	535814		
69	90.5		72.8	109.2
39	48.0		38.6	58.0





#49

1,4-Dioxane

Concen: 2205.689 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

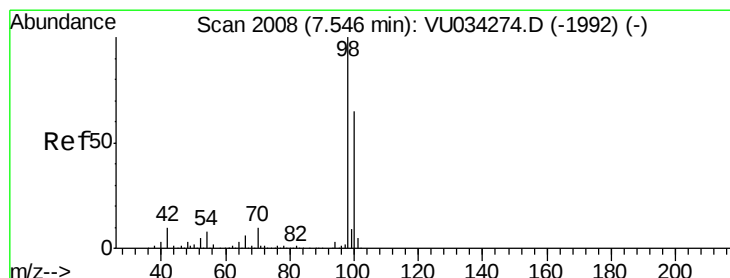
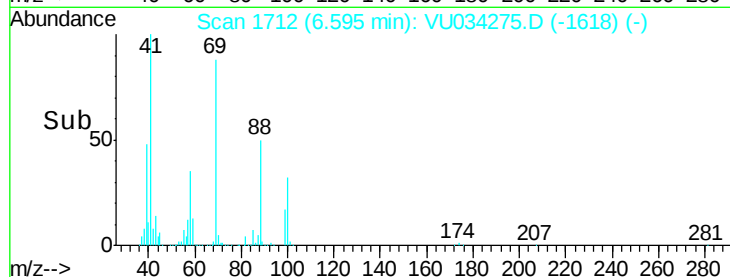
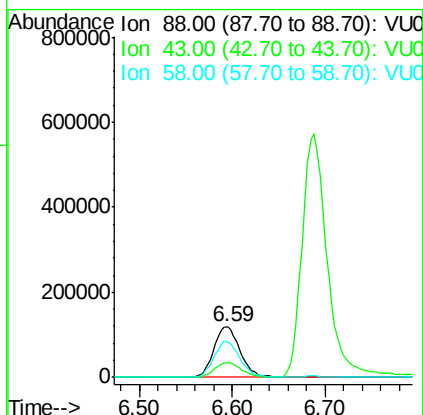
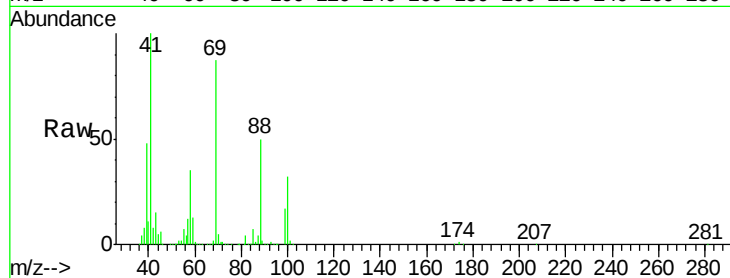
ClientSampleId :

VSTDIC100

Tot Ion:	88	Resp:	231056
Ion	Ratio	Lower	Upper
88	100		
43	29.4	23.8	35.6
58	71.2	58.4	87.6

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#50

Toluene-d8

Concen: 127.548 ug/l

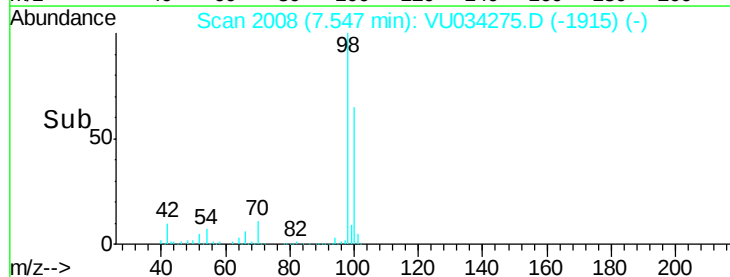
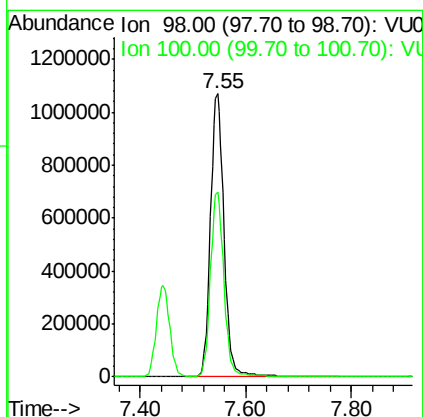
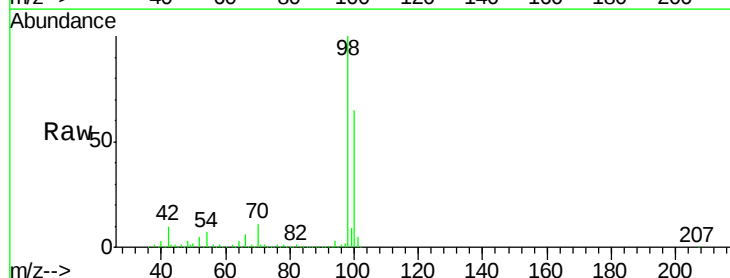
RT: 7.55 min Scan# 2008

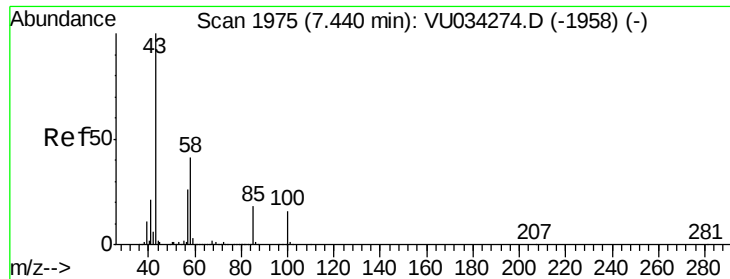
Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion:	98	Resp:	1907803
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





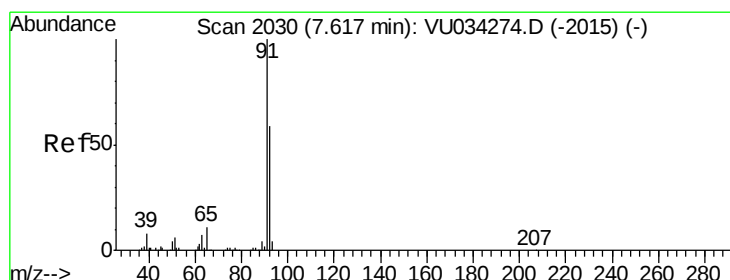
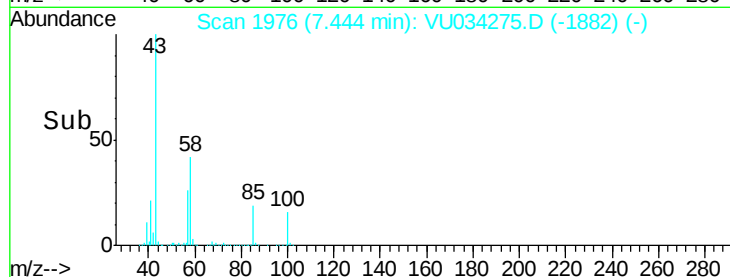
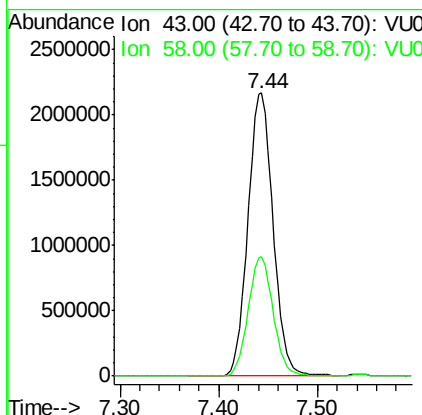
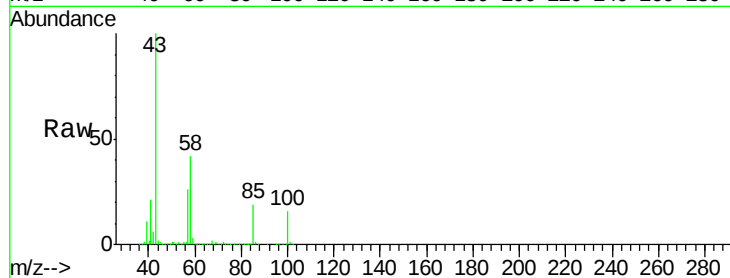
#51
4-Methyl-2-Pentanone
Concen: 615.399 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 3798091
Ion Ratio Lower Upper
43 100
58 42.1 33.0 49.4

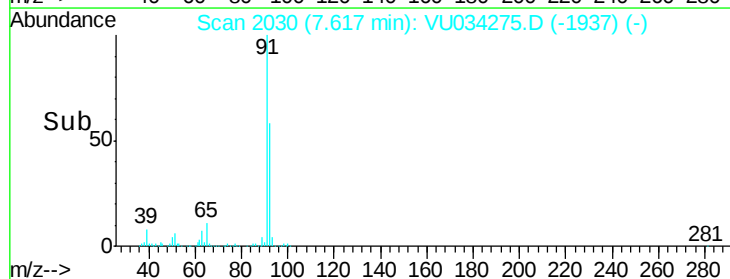
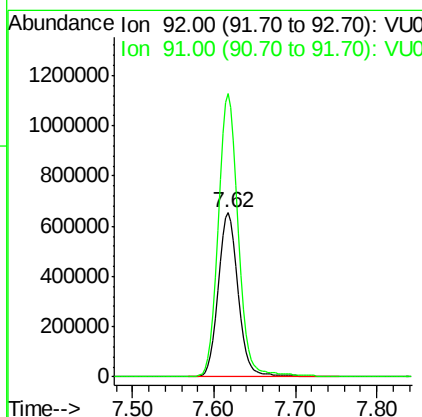
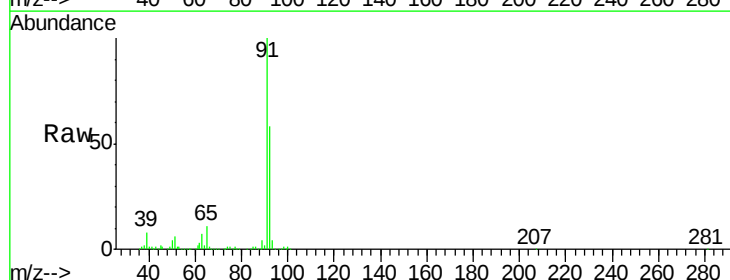
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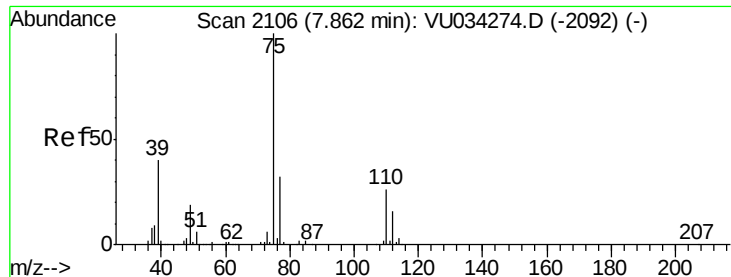
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#52
Toluene
Concen: 117.660 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 92 Resp: 1145998
Ion Ratio Lower Upper
92 100
91 172.5 136.6 205.0





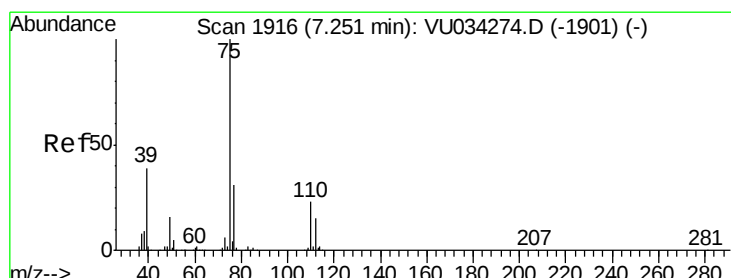
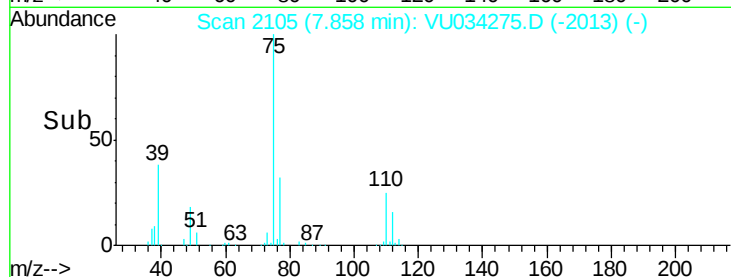
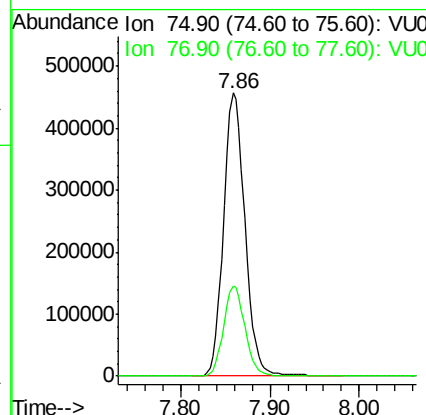
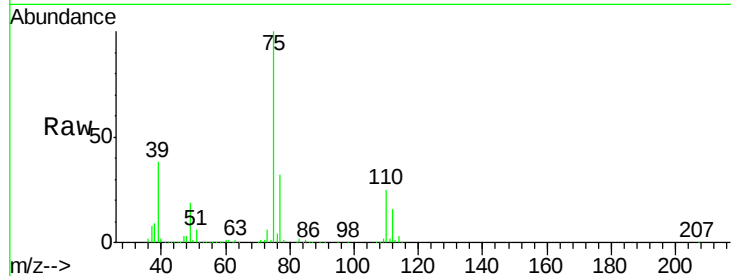
#53
 t-1,3-Dichloropropene
 Concen: 125.153 ug/l
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5

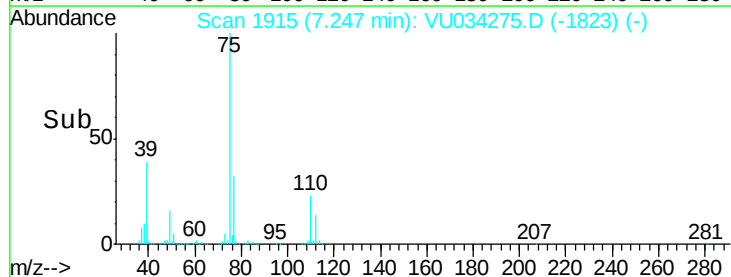
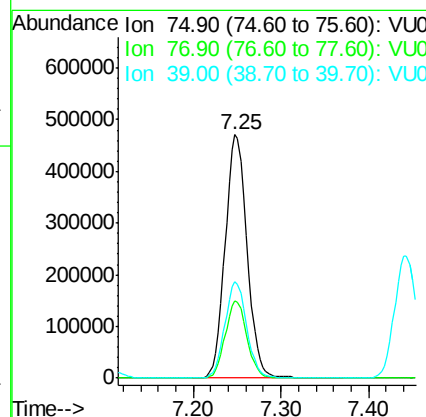
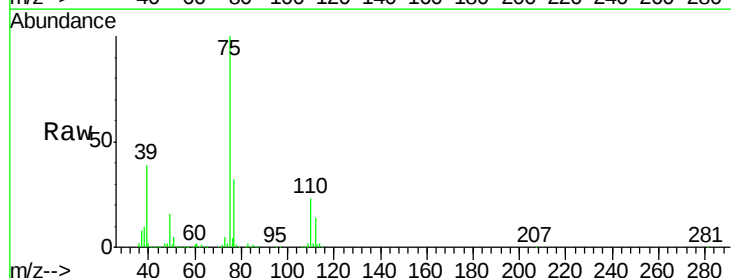
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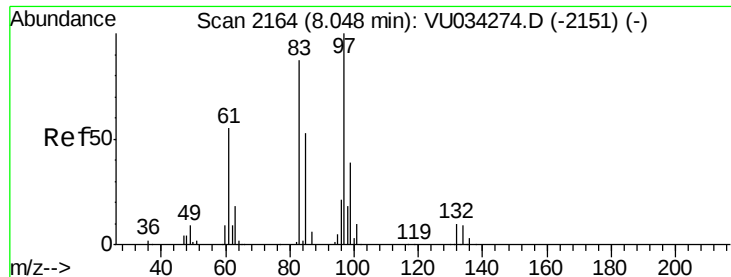
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#54
 cis-1,3-Dichloropropene
 Concen: 123.008 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.1	37.7
39	39.4	31.2	46.8





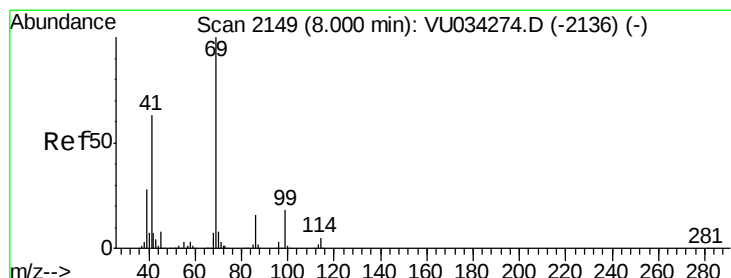
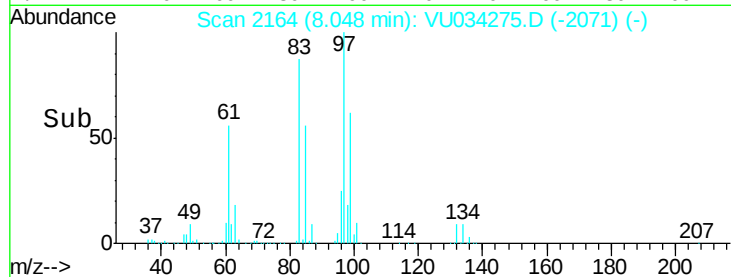
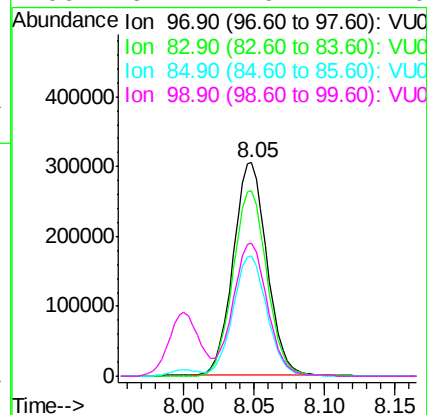
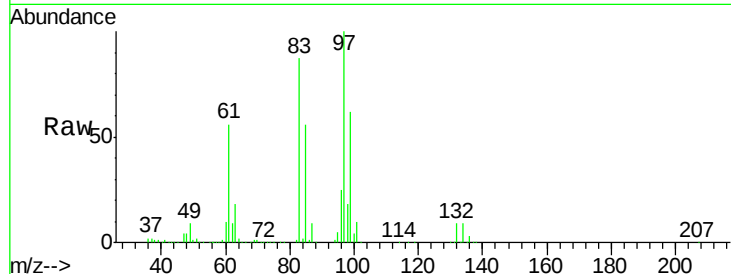
#55
 1,1,2-Trichloroethane
 Concen: 122.653 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		512315		
83	87.1	69.0	103.6		
85	56.1	44.2	66.2		
99	62.2	49.4	74.0		

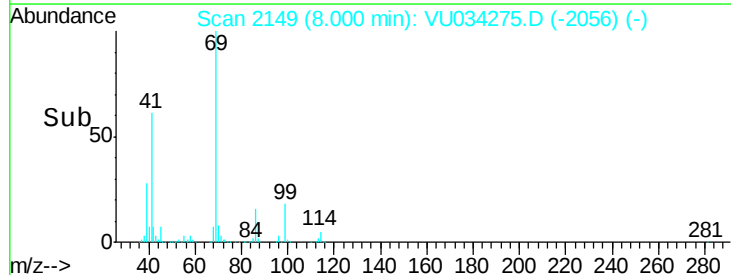
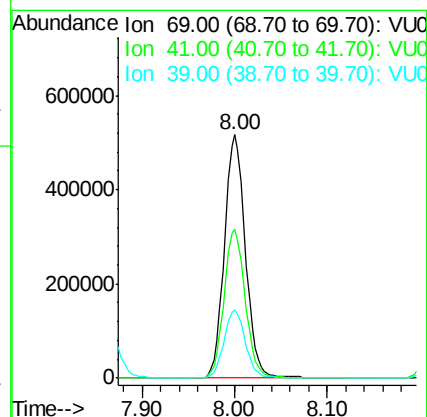
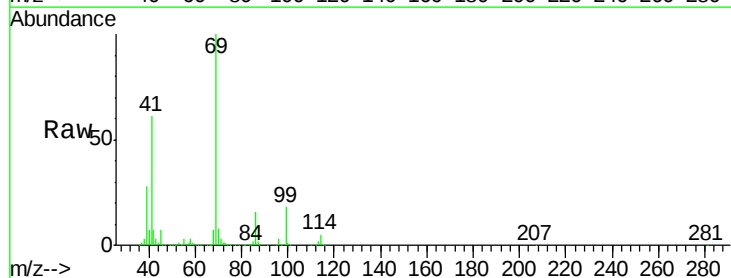
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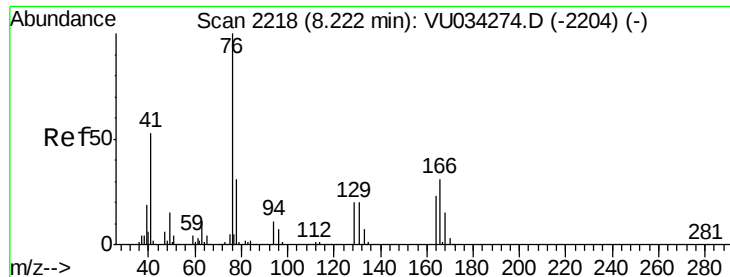
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#56
 Ethyl methacrylate
 Concen: 132.233 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		815009		
41	61.7	49.5	74.3		
39	28.2	22.5	33.7		





#57

1,3-Dichloropropane

Concen: 120.477 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 848045

Ion Ratio Lower Upper

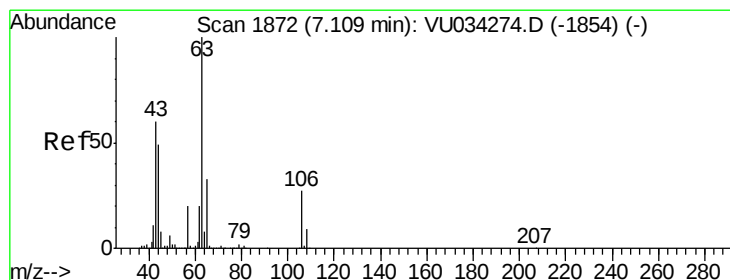
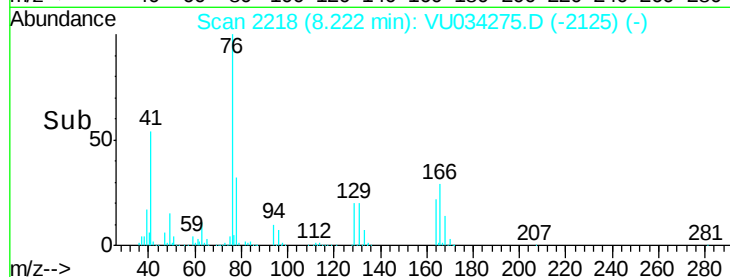
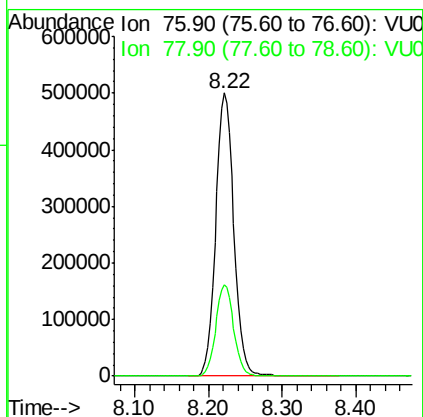
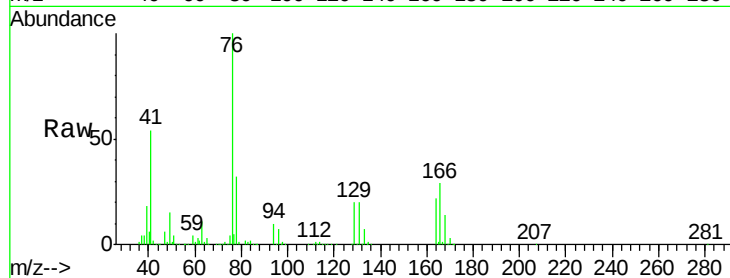
76 100

78 32.1 25.4 38.2

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#58

2-Chloroethyl Vinyl ether

Concen: 578.912 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034275.D

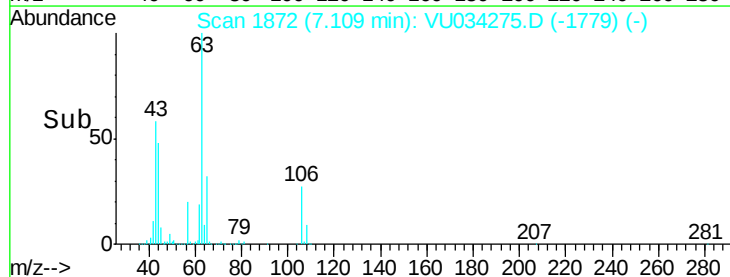
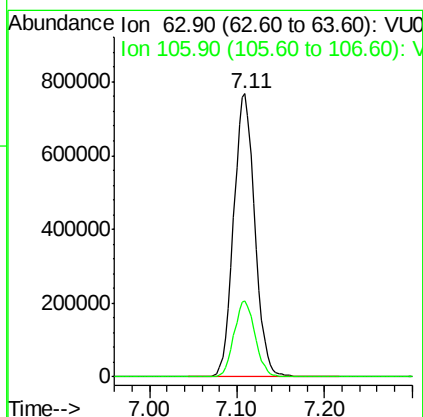
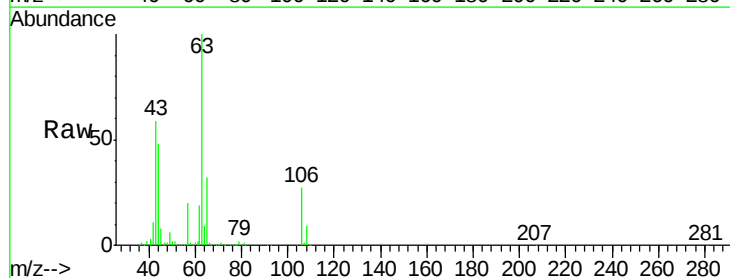
Acq: 05 Sep 2019 10:46

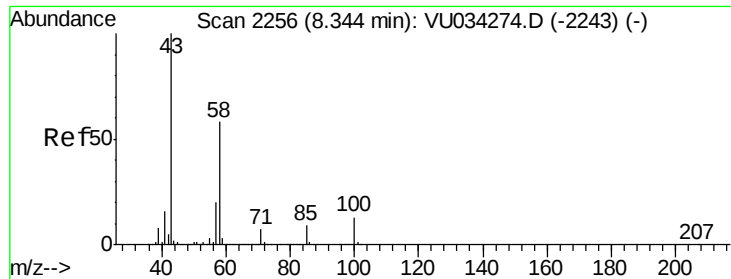
Tgt Ion: 63 Resp: 1288358

Ion Ratio Lower Upper

63 100

106 26.8 21.6 32.4





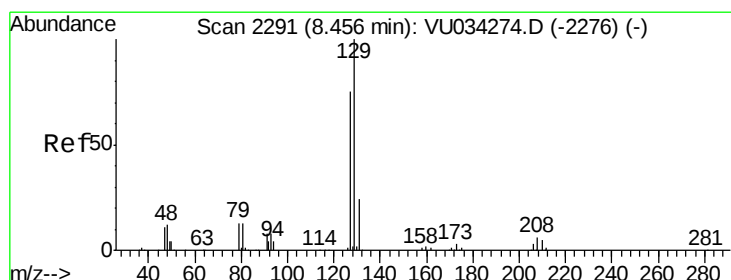
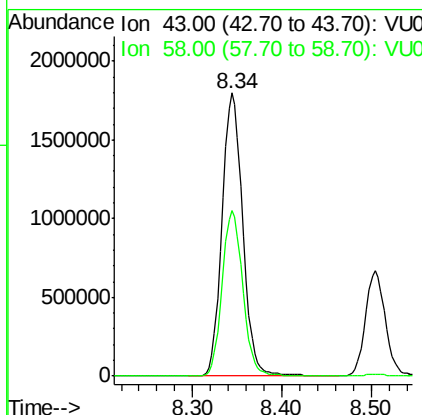
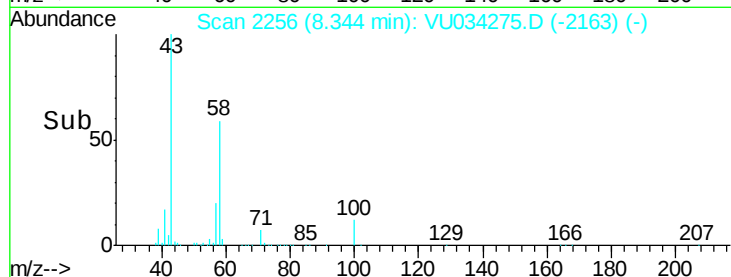
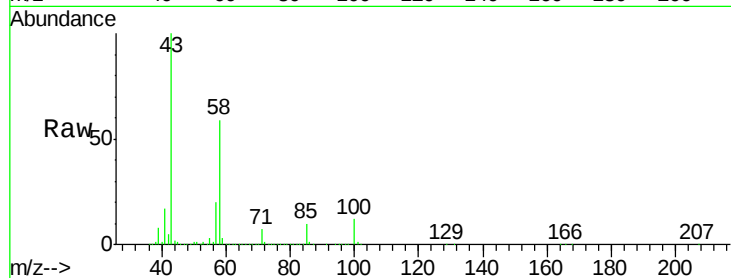
#59
2-Hexanone
Concen: 622.333 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2896294
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.5

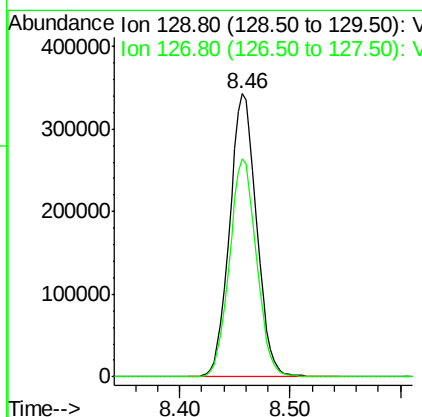
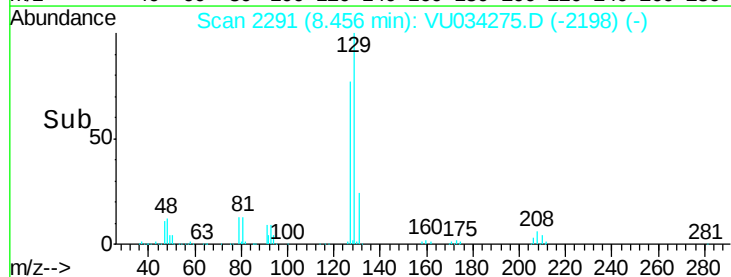
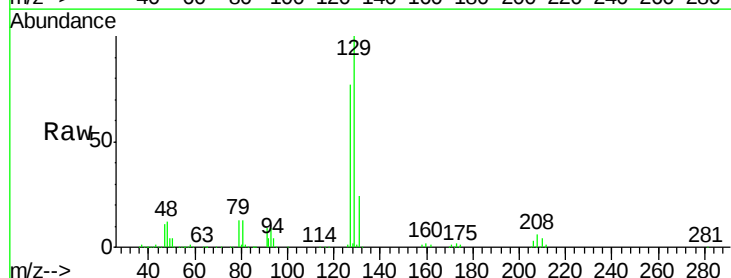
Manual Integrations
APPROVED

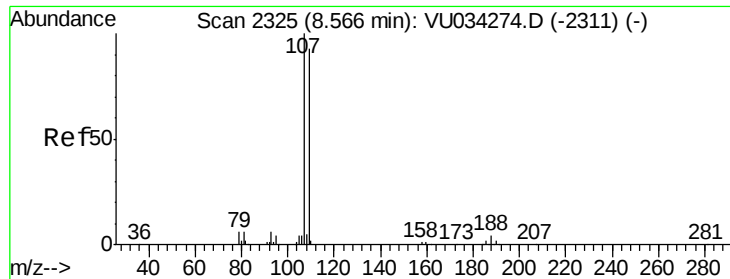
MMDadoda
9/6/2019 3:21:38 PM



#60
Dibromochloromethane
Concen: 129.074 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 129 Resp: 580941
Ion Ratio Lower Upper
129 100
127 77.3 37.9 113.7





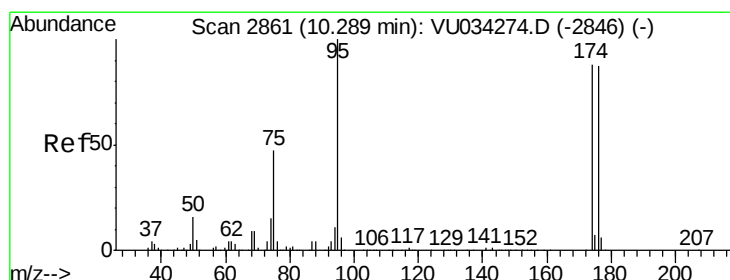
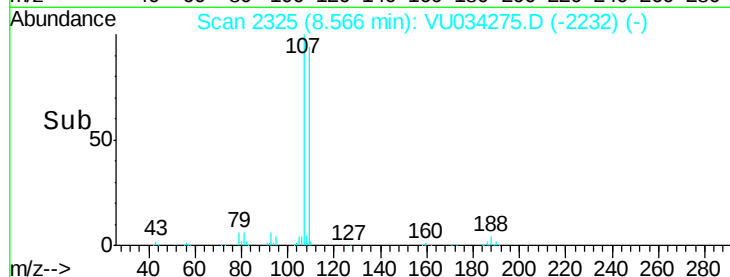
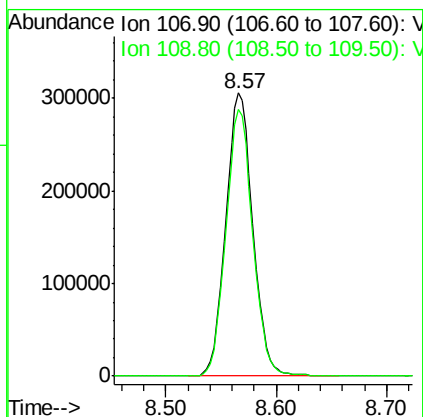
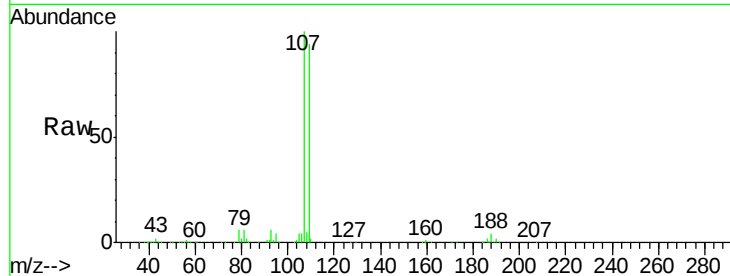
#61
 1,2-Dibromoethane
 Concen: 119.013 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
107	100	518136		
109	93.9	75.0	112.6	

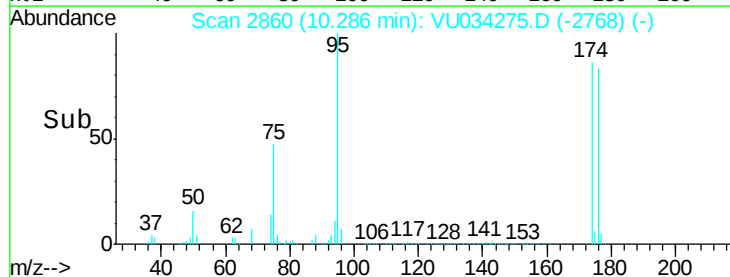
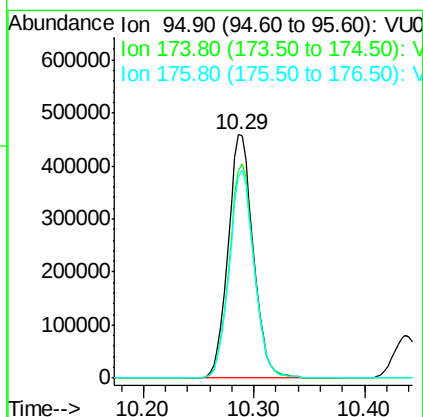
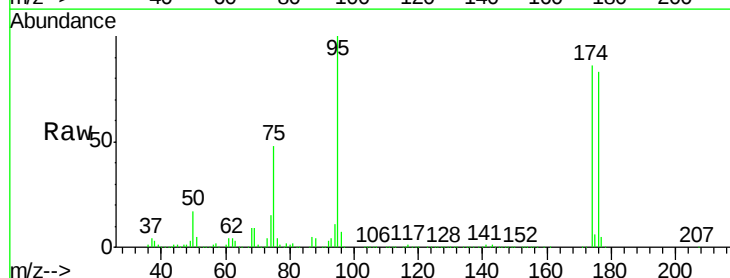
Manual Integrations
 APPROVED

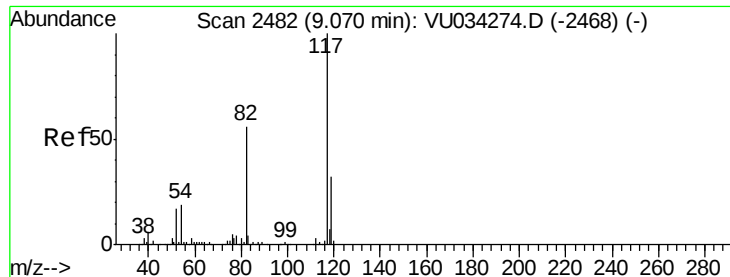
MMDadoda
 9/6/2019 3:21:38 PM



#62
 4-Bromofluorobenzene
 Concen: 125.533 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	726797		
174	87.7	0.0	175.2	
176	84.6	0.0	168.0	





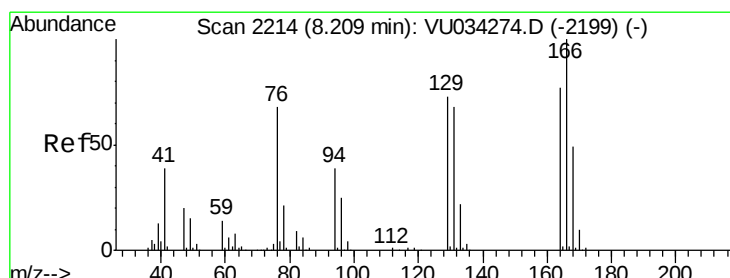
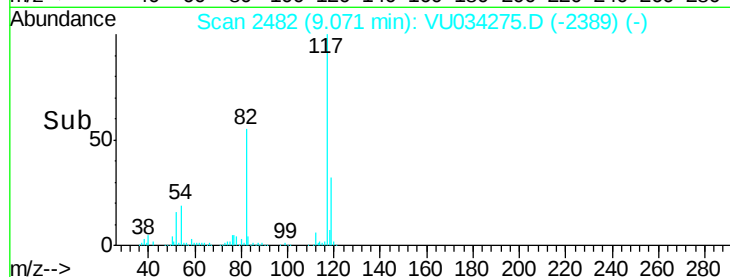
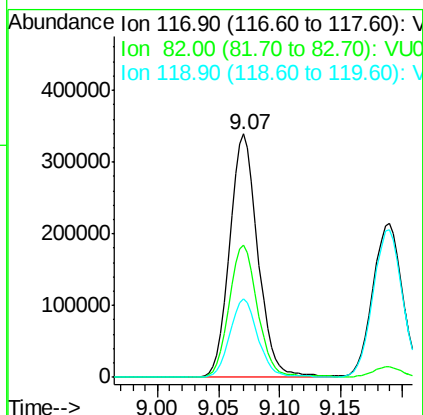
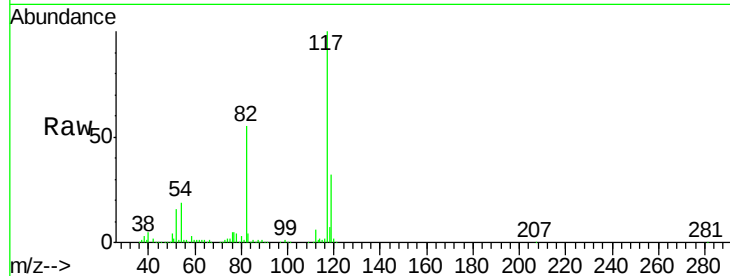
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	44.6	67.0
119	32.4	25.9	38.9

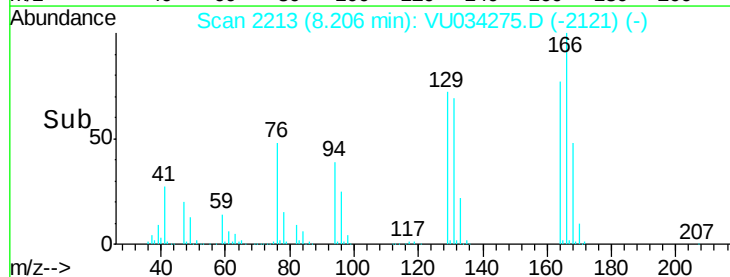
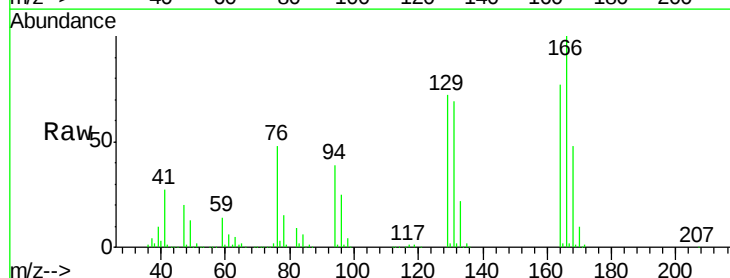
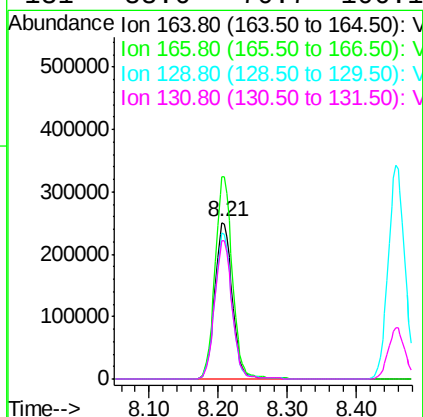
Manual Integrations
APPROVED

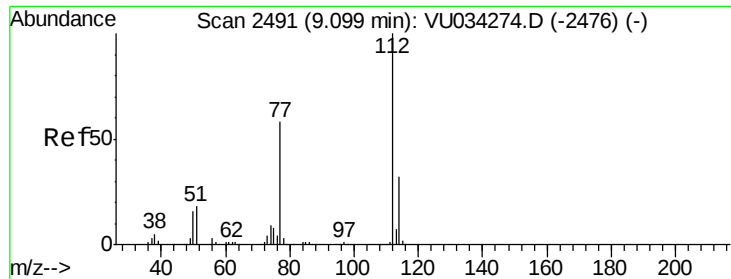
MMDadoda
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#64
Tetrachloroethene
Concen: 116.318 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	103.7	155.5
129	92.9	75.8	113.8
131	88.6	70.7	106.1





#65

Chlorobenzene

Concen: 117.110 ug/l

RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1348462

Ion Ratio Lower Upper

112 100

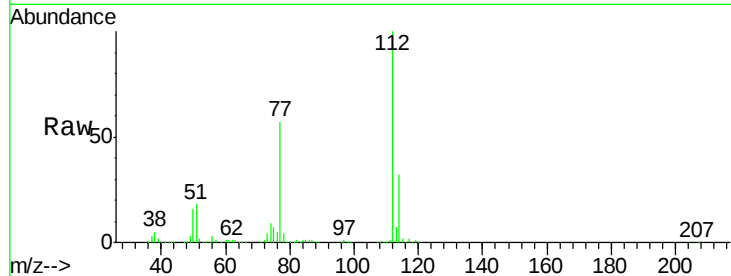
114 32.2 25.9 38.9

Manual Integrations

APPROVED

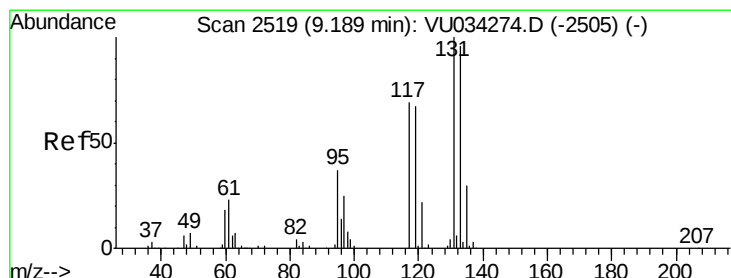
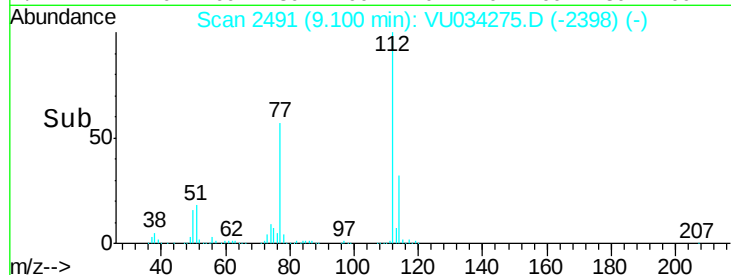
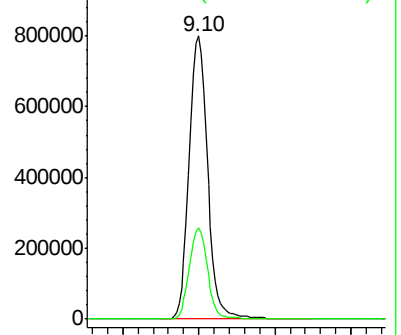
MMDadoda

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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: 121.980 ug/l

RT: 9.19 min Scan# 2519

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

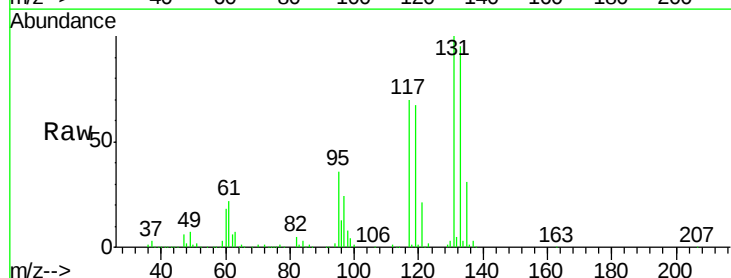
Tgt Ion:131 Resp: 513179

Ion Ratio Lower Upper

131 100

133 95.2 47.9 143.7

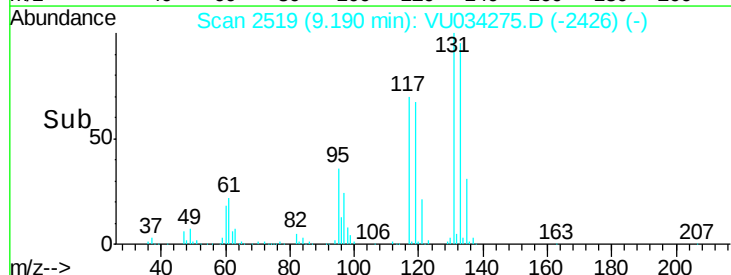
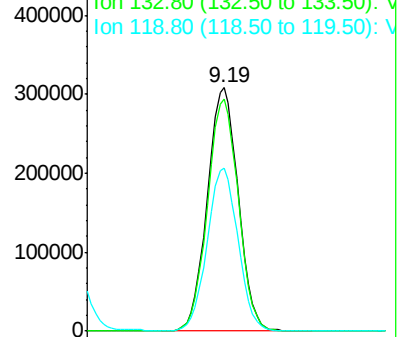
119 66.6 33.1 99.5

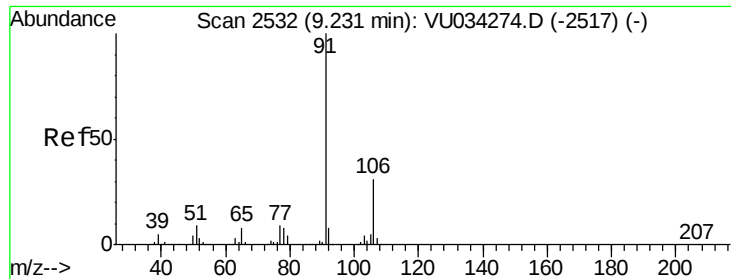


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 119.385 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2313200

Ion Ratio Lower Upper

91 100

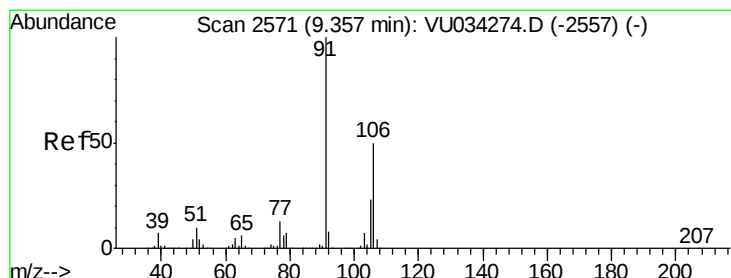
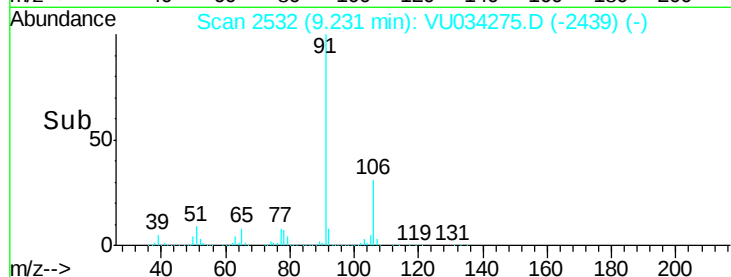
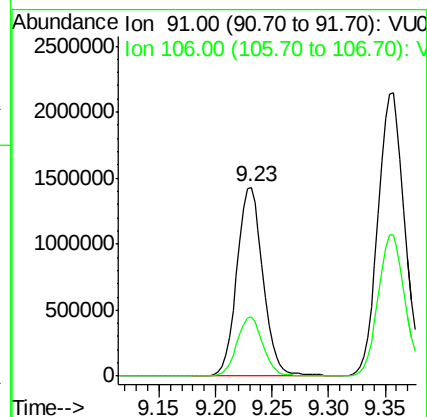
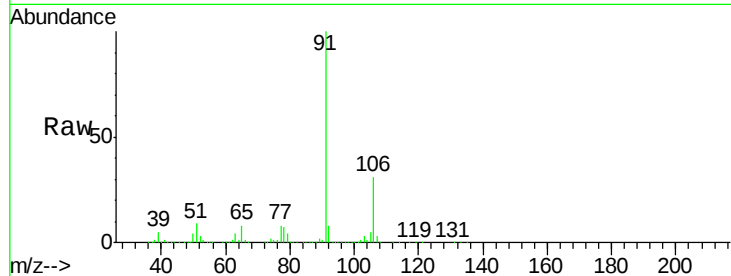
106 31.2 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 239.652 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034275.D

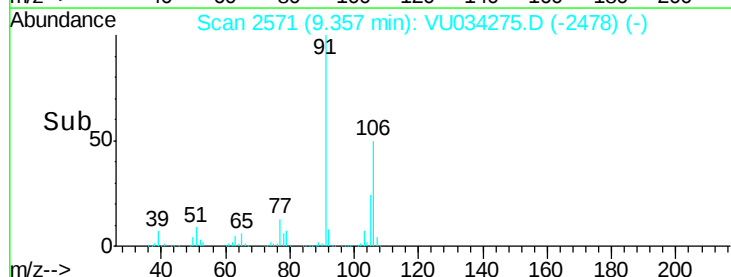
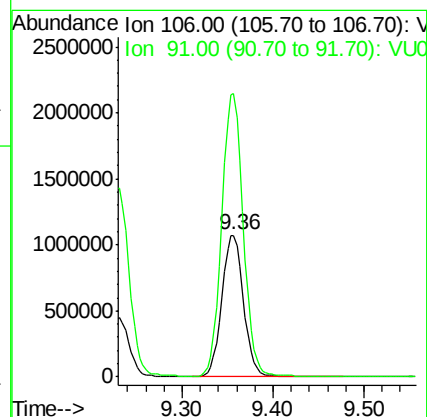
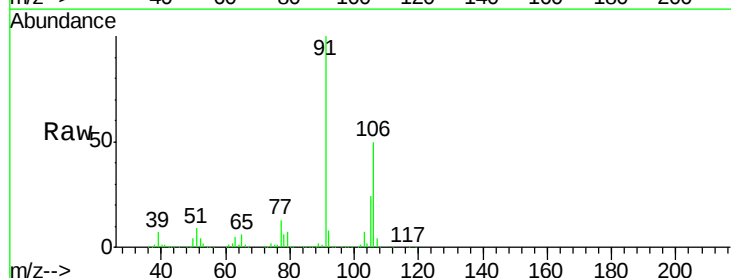
Acq: 05 Sep 2019 10:46

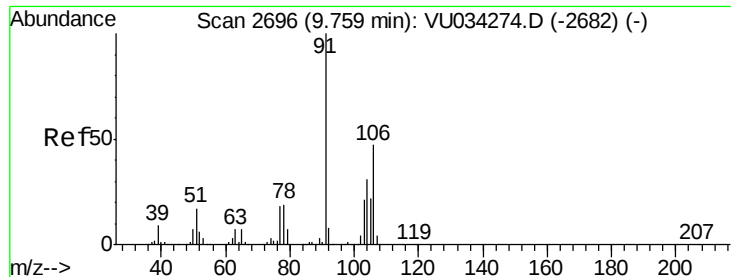
Tgt Ion: 106 Resp: 1772146

Ion Ratio Lower Upper

106 100

91 200.0 160.1 240.1





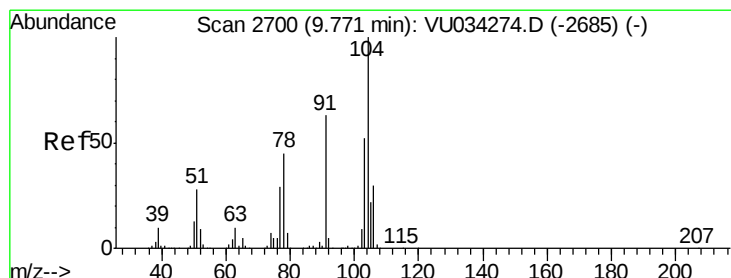
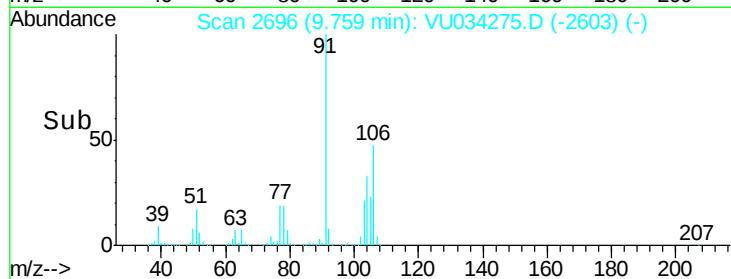
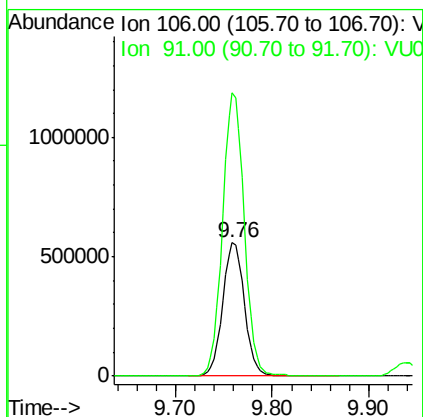
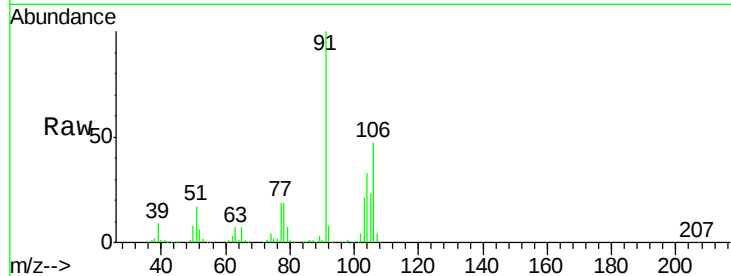
#69
o-Xylene
Concen: 123.091 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	105.1	315.3

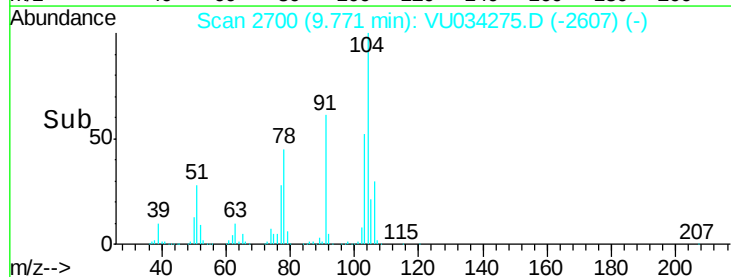
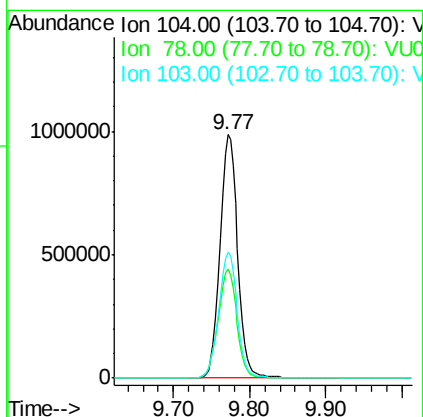
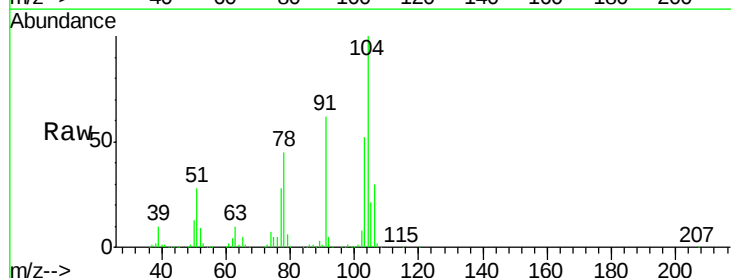
Manual Integrations
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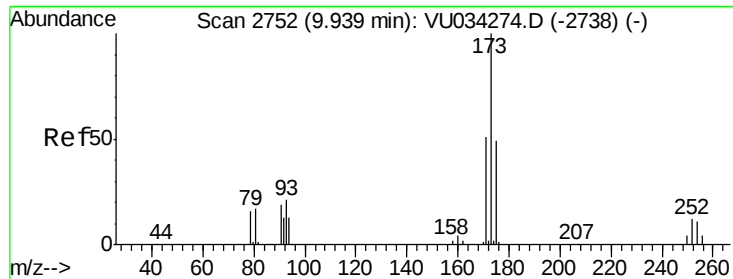
MMDadoda
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#70
Styrene
Concen: 129.425 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	38.6	57.8
103	54.5	44.2	66.4





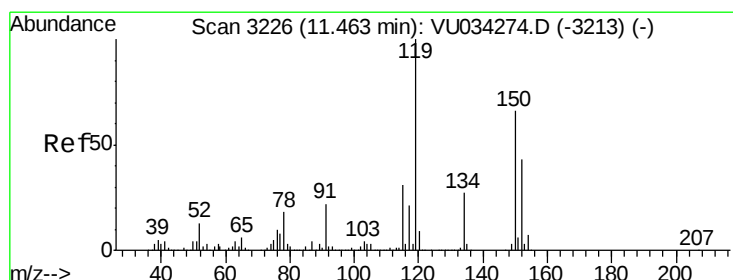
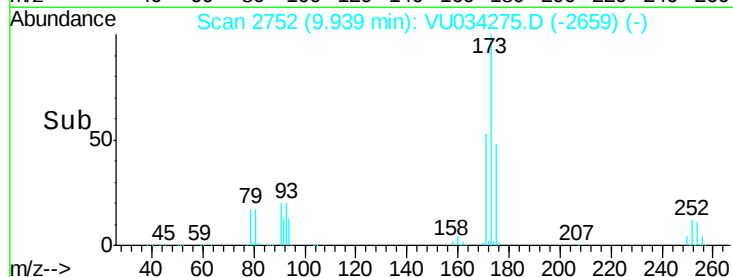
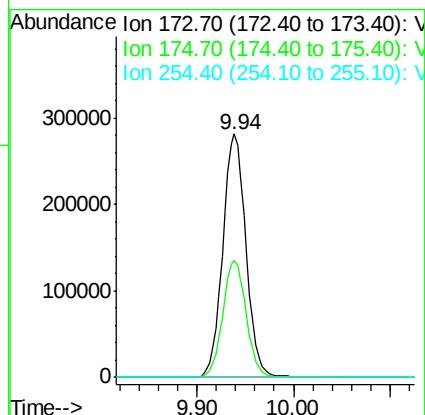
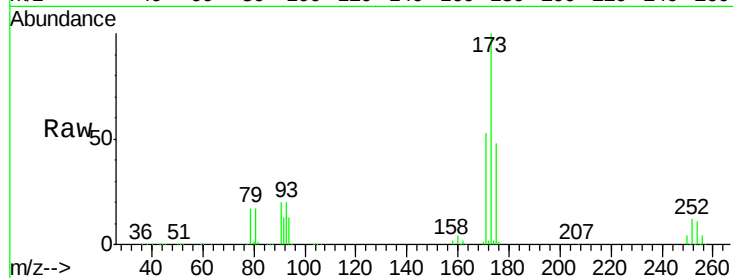
#71
Bromoform
Concen: 127.196 ug/l
RT: 9.94 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.1	0.0	0.0#

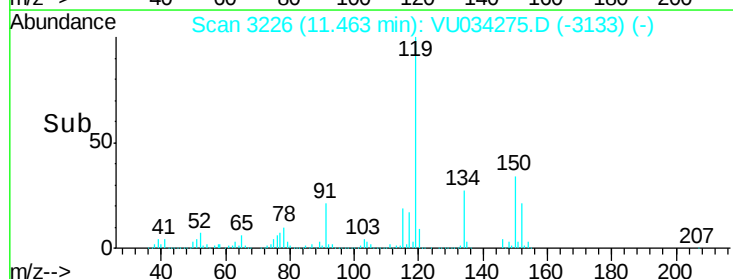
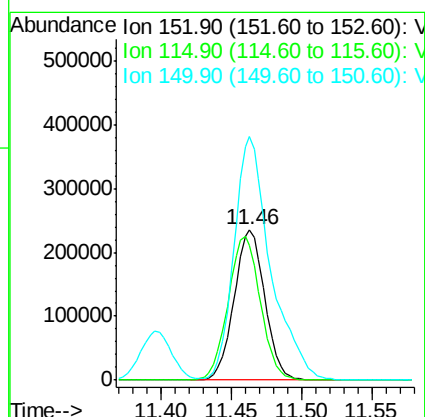
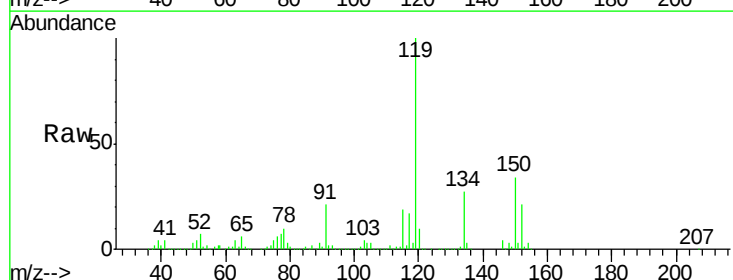
Manual Integrations
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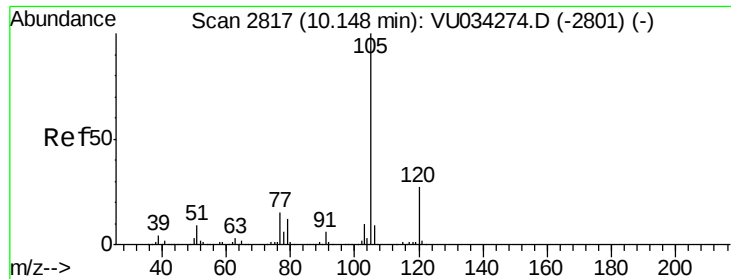
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	100.2	39.1	117.3
150	192.0	0.0	345.4





#73

Isopropylbenzene

Concen: 101.898 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2392245

Ion Ratio Lower Upper

105 100

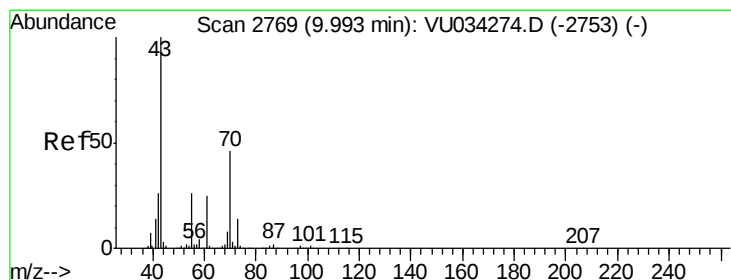
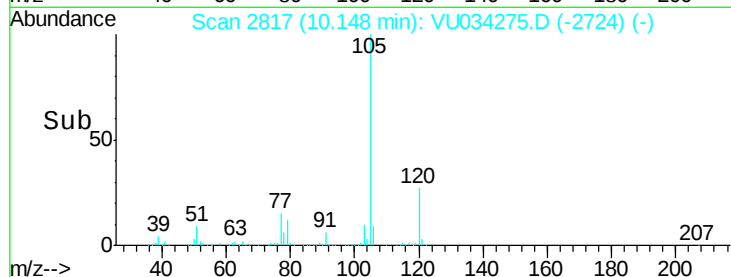
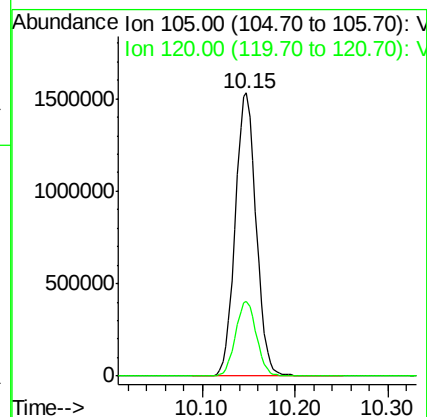
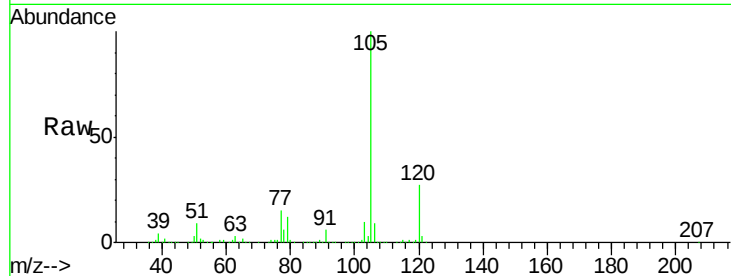
120 26.6 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 105.869 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion: 43 Resp: 1037461

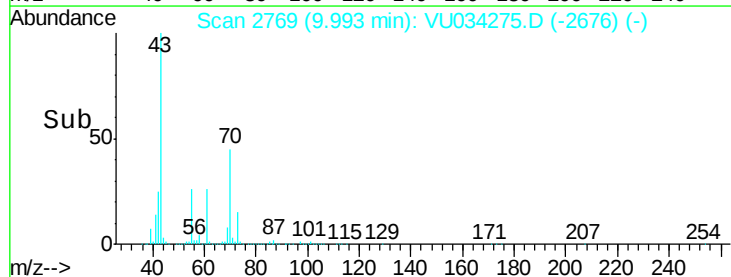
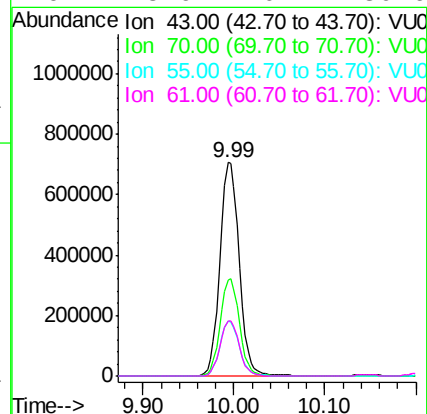
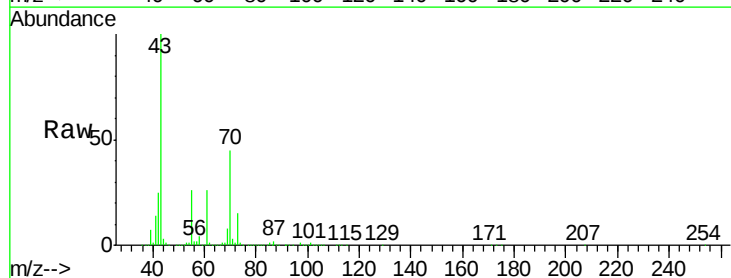
Ion Ratio Lower Upper

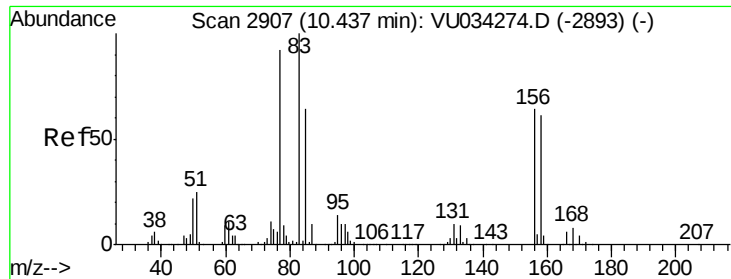
43 100

70 45.5 36.4 54.6

55 26.0 21.2 31.8

61 25.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.625 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

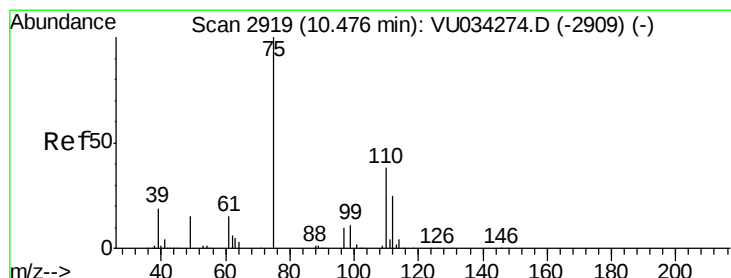
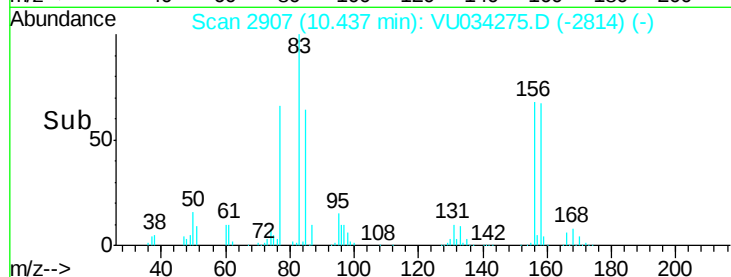
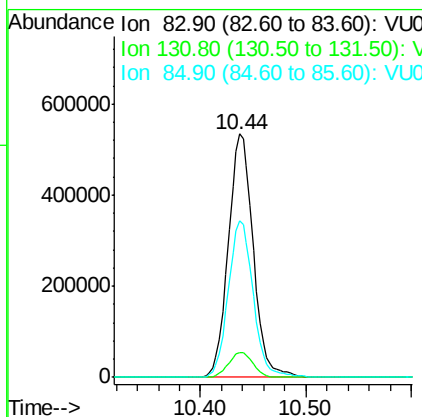
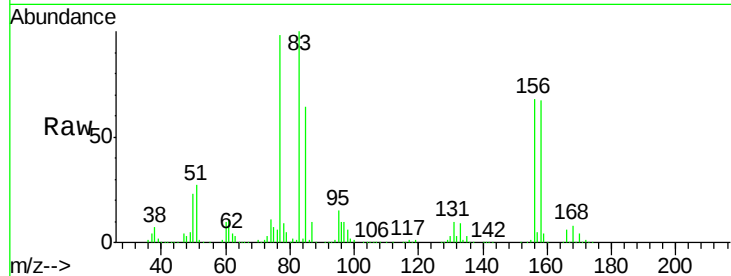
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	869128
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	64.5	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 98.500 ug/l m

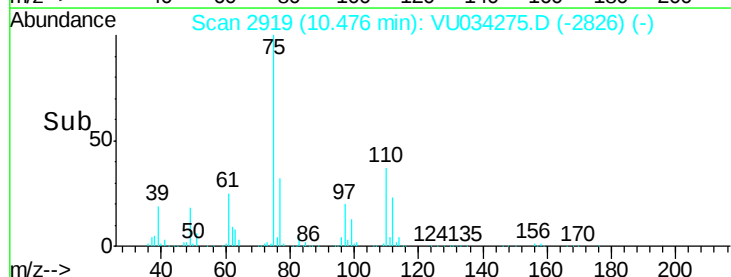
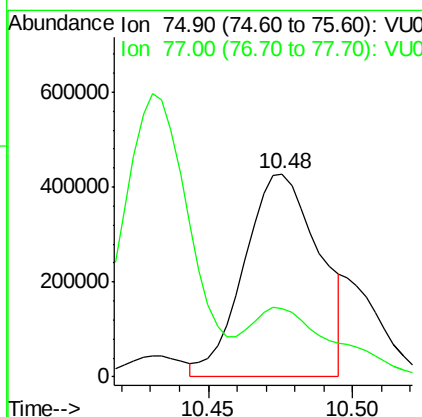
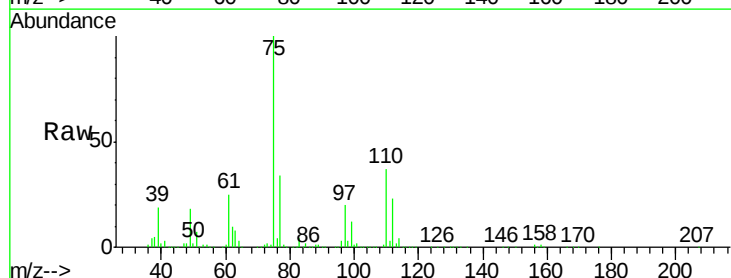
RT: 10.48 min Scan# 2919

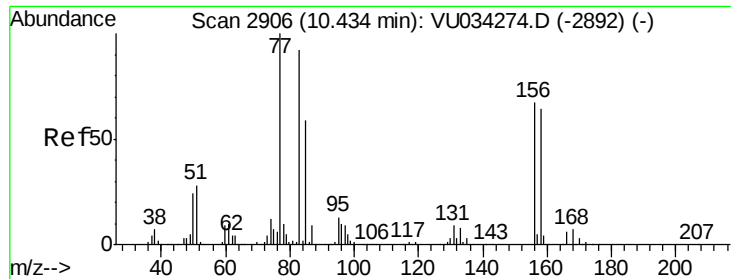
Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Tgt Ion:	75	Resp:	770428
Ion Ratio	Lower	Upper	
75	100		
77	38.8	20.8	62.2





#77

Bromobenzene

Concen: 100.650 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 641129

Ion Ratio Lower Upper

156 100

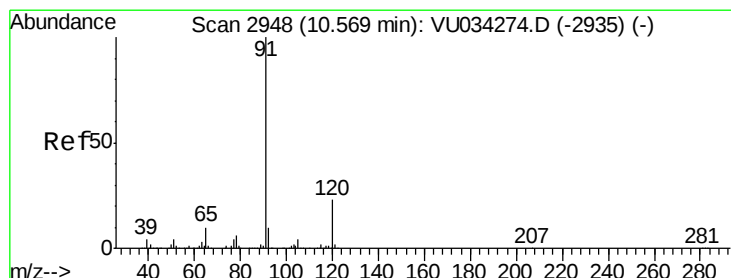
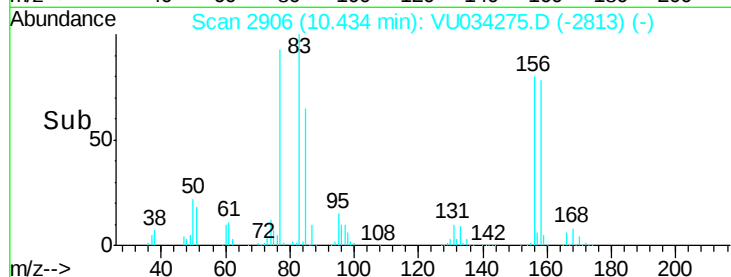
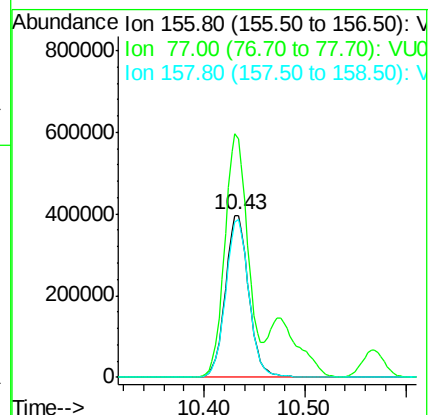
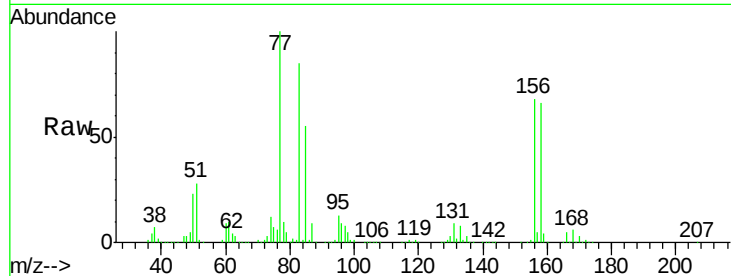
77 150.7 75.6 226.9

158 97.2 48.2 144.6

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#78

n-propylbenzene

Concen: 102.263 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034275.D

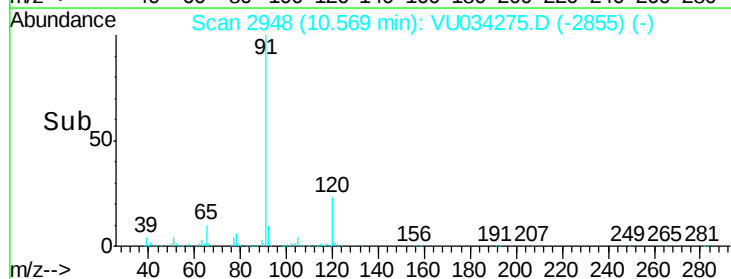
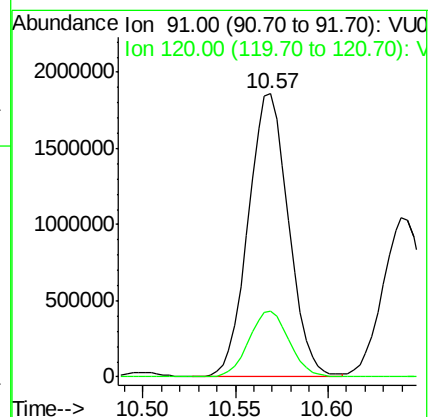
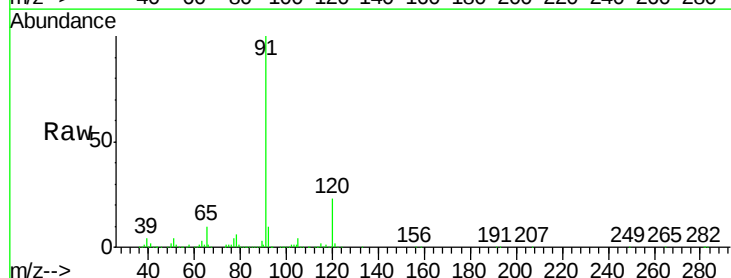
Acq: 05 Sep 2019 10:46

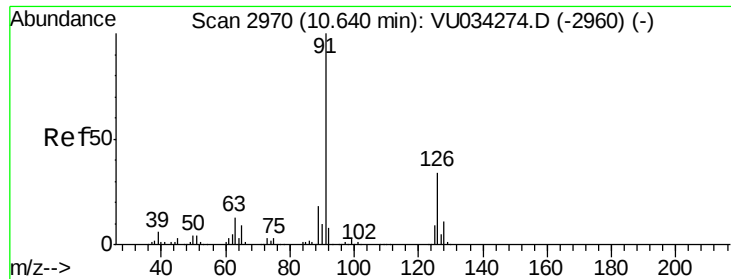
Tgt Ion: 91 Resp: 2797891

Ion Ratio Lower Upper

91 100

120 23.3 11.7 35.0





#79

2-Chlorotoluene

Concen: 100.771 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1656099

Ion Ratio Lower Upper

91 100

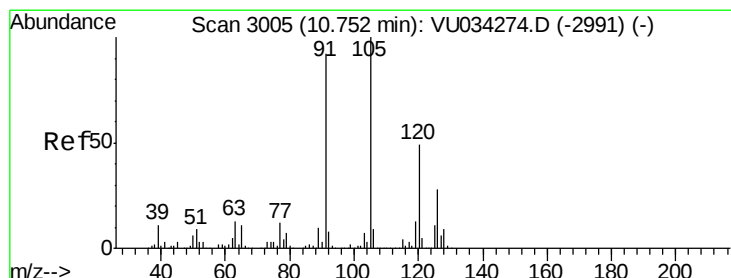
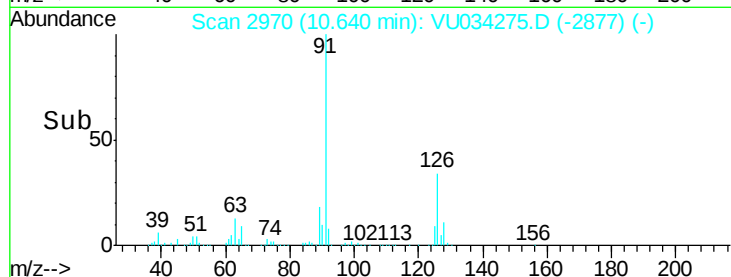
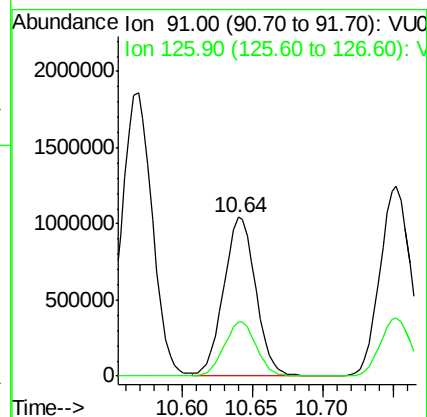
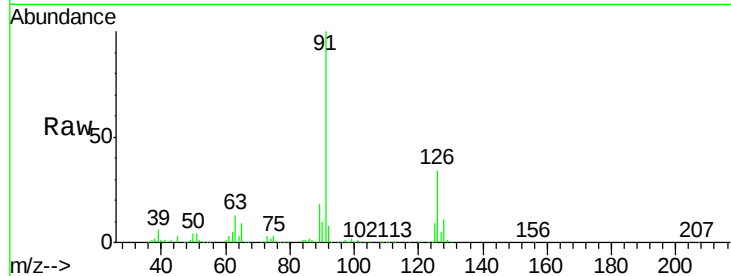
126 34.1 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 103.500 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034275.D

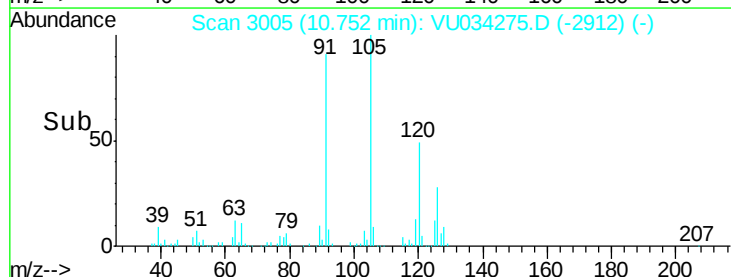
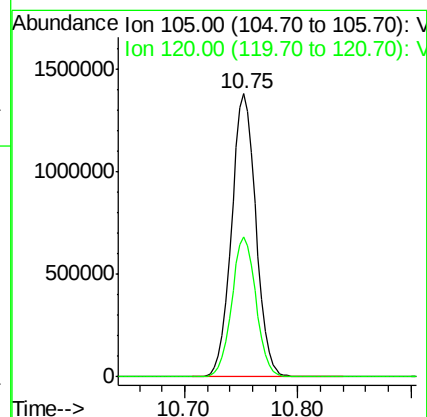
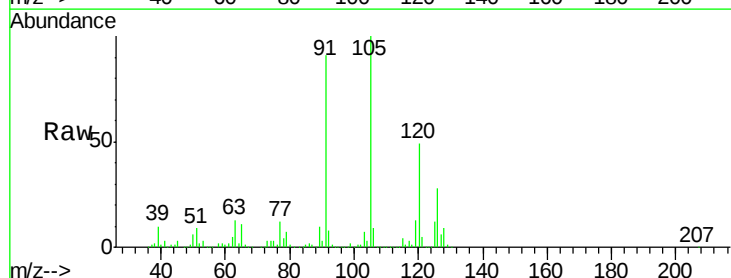
Acq: 05 Sep 2019 10:46

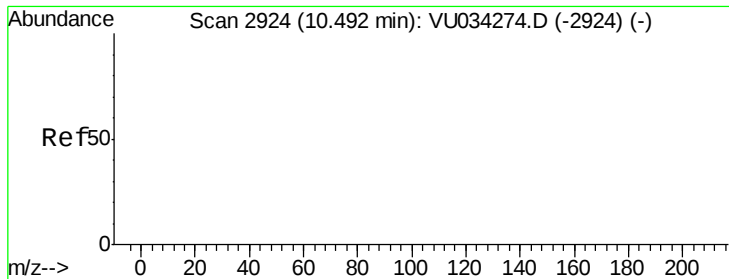
Tgt Ion: 105 Resp: 2060364

Ion Ratio Lower Upper

105 100

120 49.1 24.9 74.7





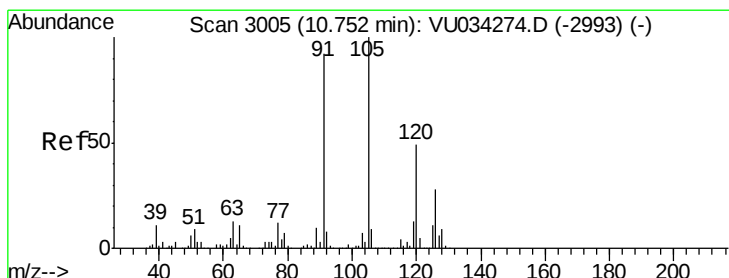
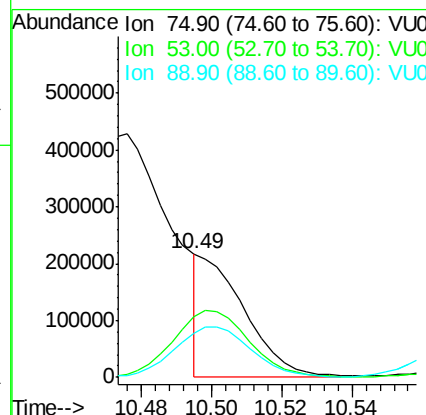
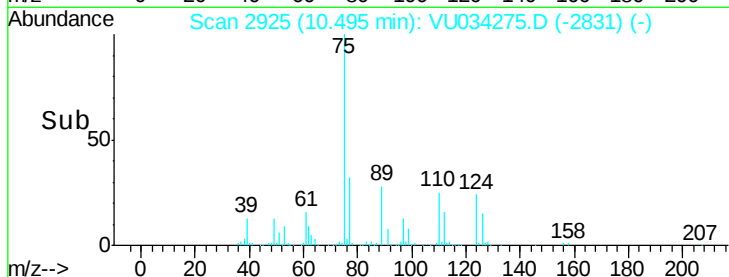
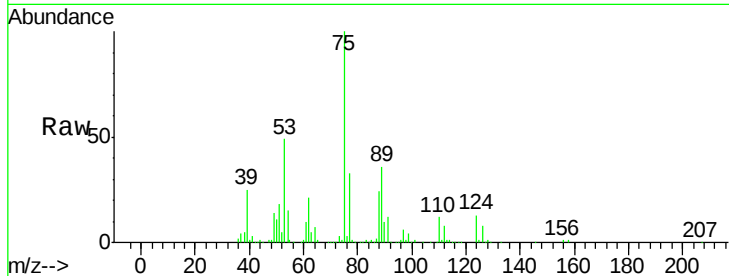
#81
trans-1,4-Dichloro-2-butene
Concen: 80.180 ug/l m
RT: 10.49 min Scan# 2925
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

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

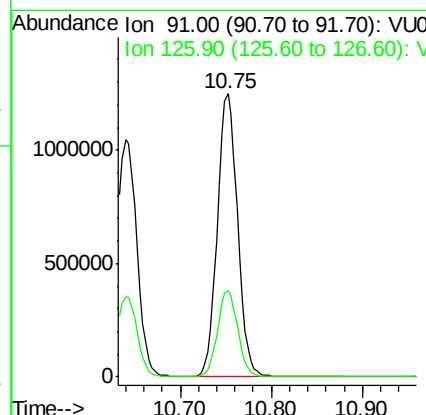
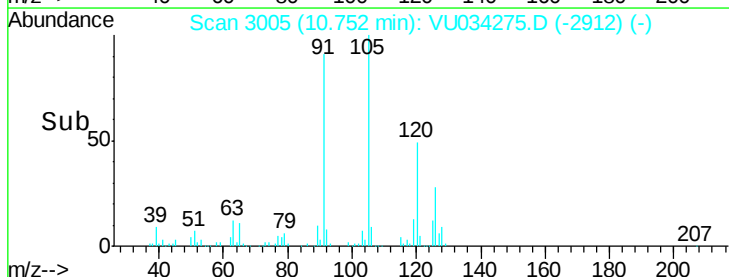
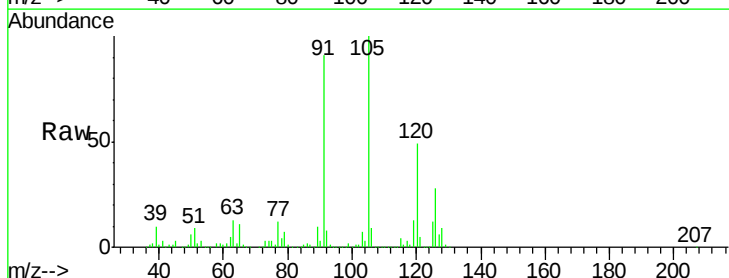
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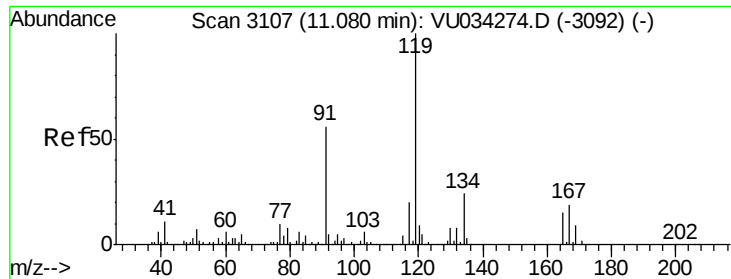
MMDadoda
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#82
4-Chlorotoluene
Concen: 101.671 ug/l
RT: 10.75 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	15.3	45.8





#83

tert-Butylbenzene

Concen: 104.096 ug/l

RT: 11.08 min Scan# 3107

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 2040752

Ion Ratio Lower Upper

119 100

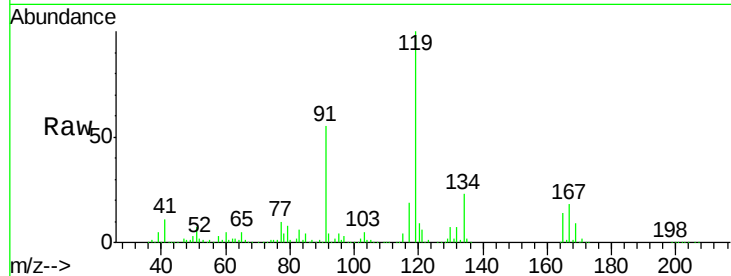
91 55.0 27.8 83.4

134 22.8 11.7 35.0

Manual Integrations
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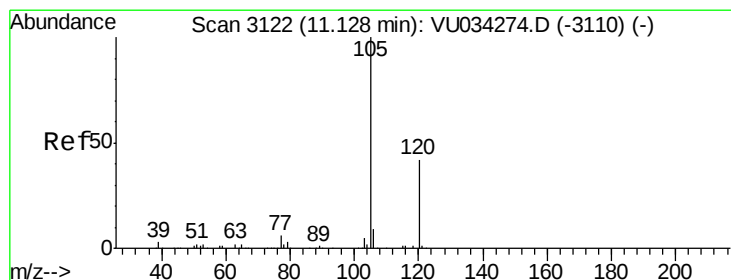
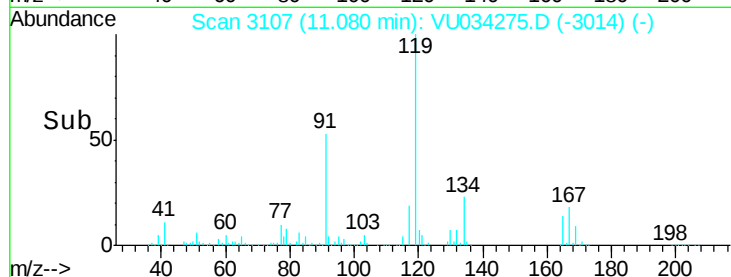
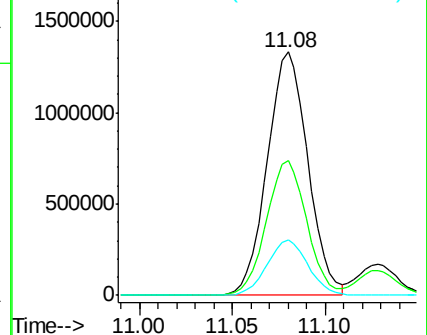
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 105.193 ug/l

RT: 11.13 min Scan# 3122

Delta R.T. 0.00 min

Lab File: VU034275.D

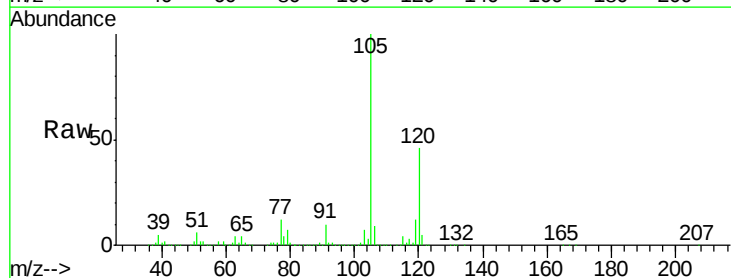
Acq: 05 Sep 2019 10:46

Tgt Ion:105 Resp: 2079652

Ion Ratio Lower Upper

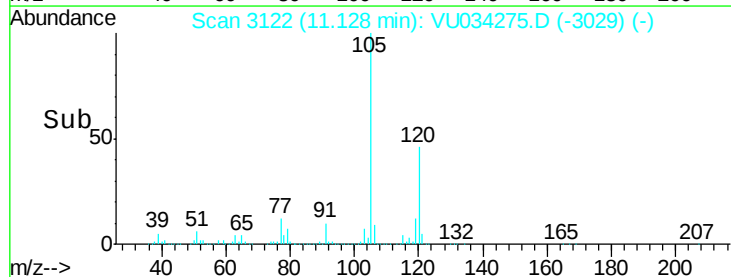
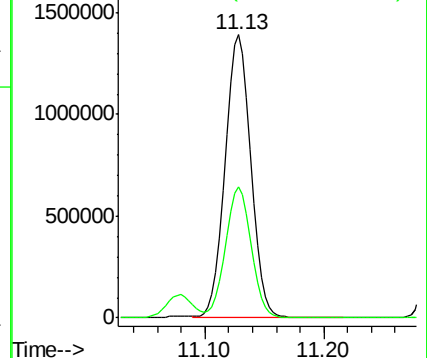
105 100

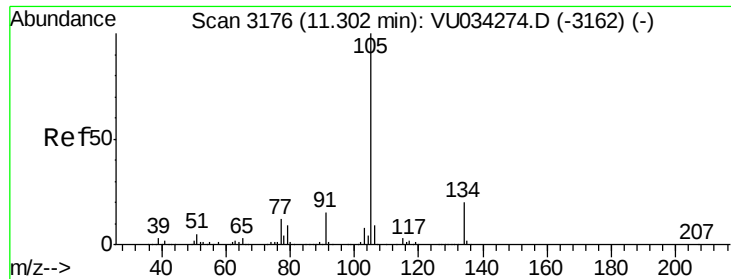
120 46.3 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 103.519 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2433057

Ion Ratio Lower Upper

105 100

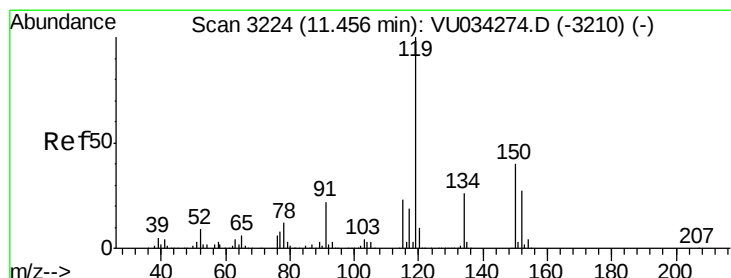
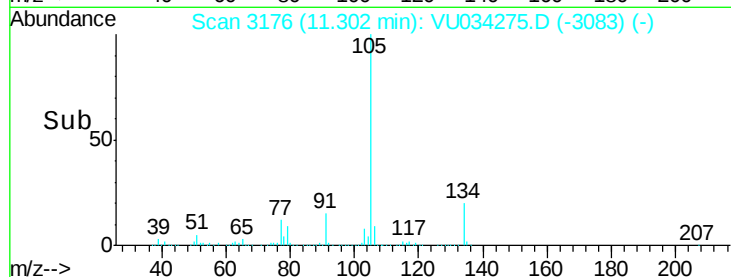
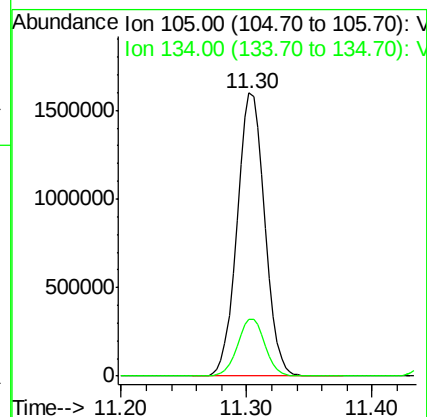
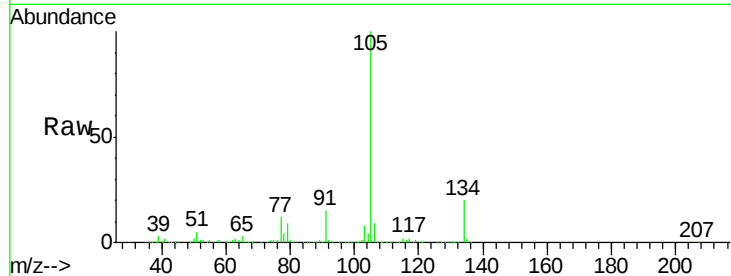
134 20.2 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 106.255 ug/l

RT: 11.46 min Scan# 3224

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

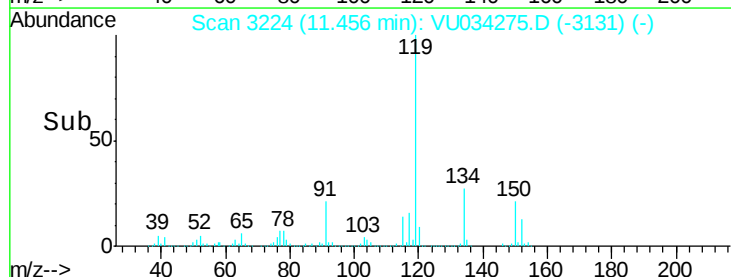
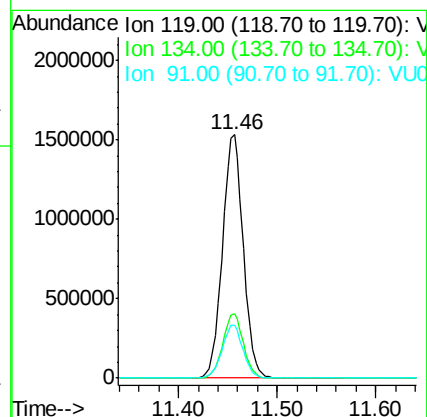
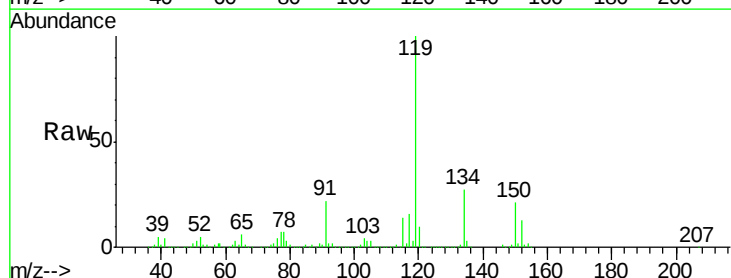
Tgt Ion:119 Resp: 2260590

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 21.8 11.2 33.6





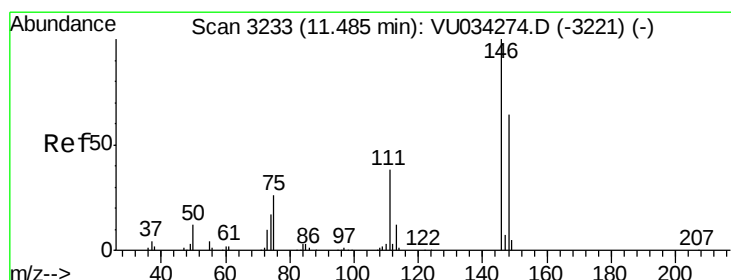
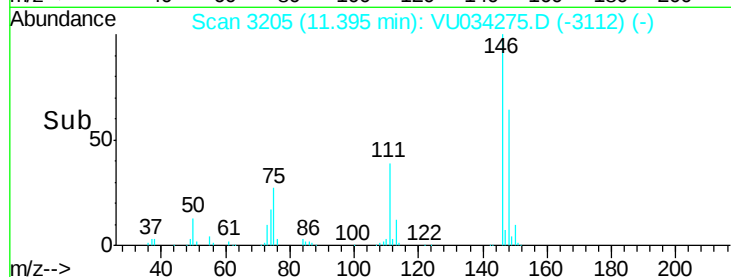
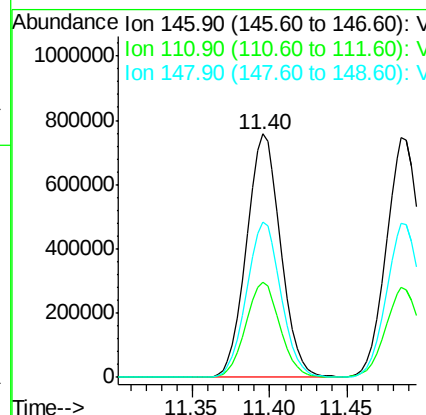
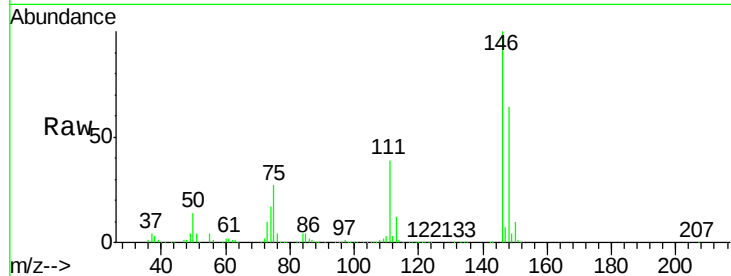
#87
 1,3-Dichlorobenzene
 Concen: 102.948 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.1	32.1	96.3

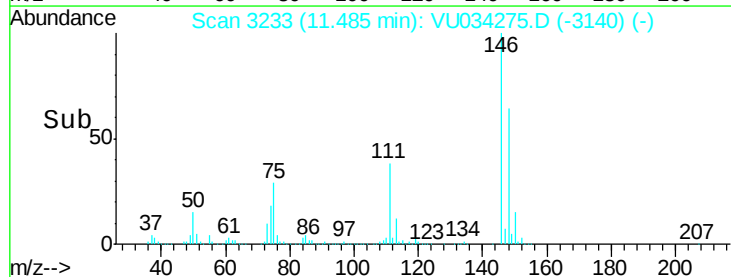
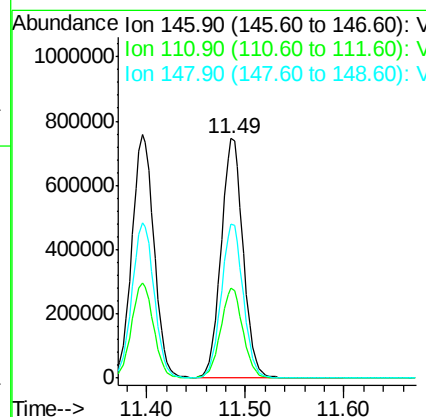
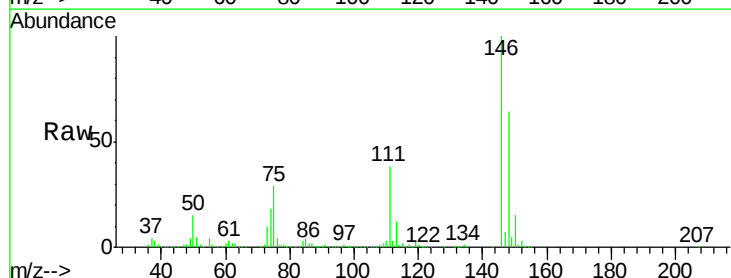
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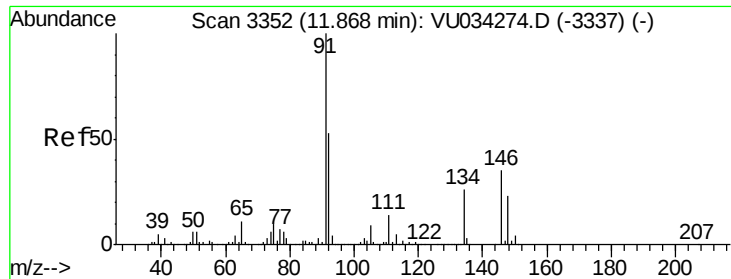
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#88
 1,4-Dichlorobenzene
 Concen: 101.552 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.3
148	64.1	32.0	96.0





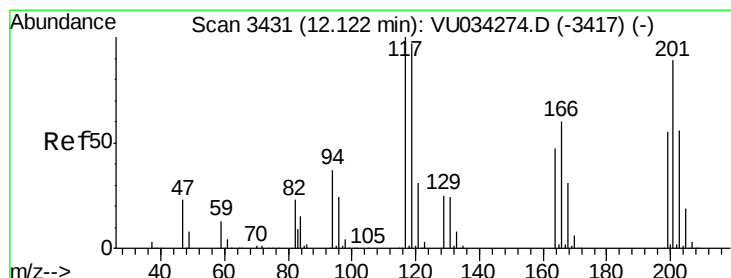
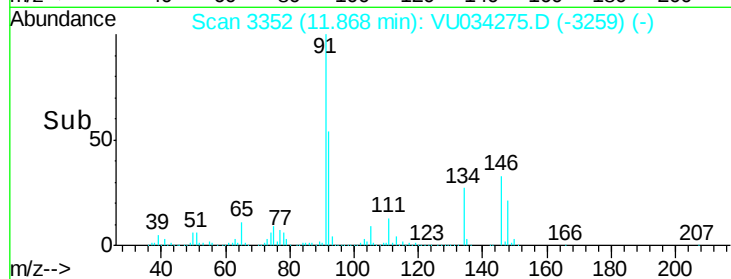
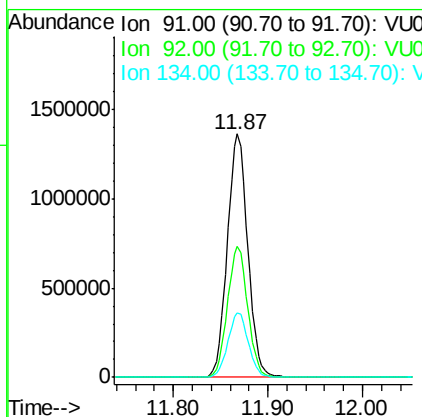
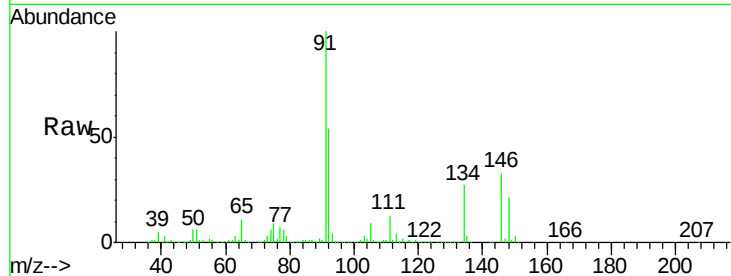
#89
n-Butylbenzene
Concen: 109.280 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2046853
Ion Ratio Lower Upper
91 100
92 53.5 26.5 79.4
134 26.6 13.2 39.6

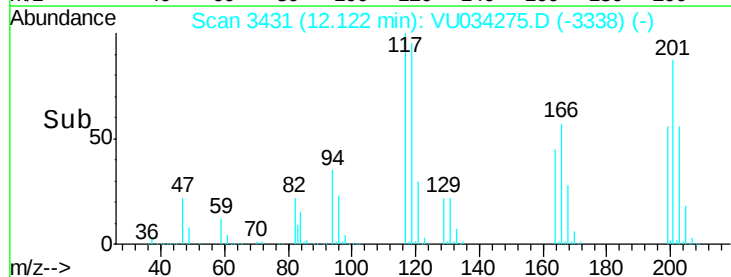
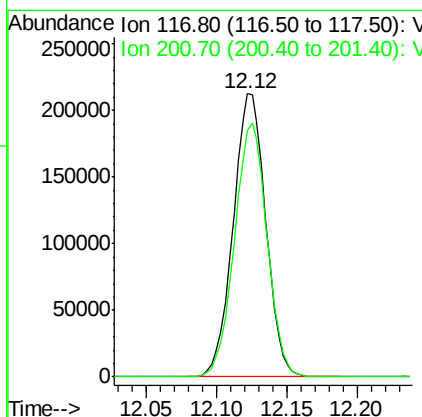
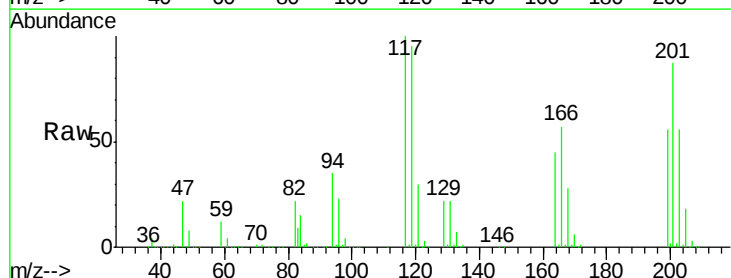
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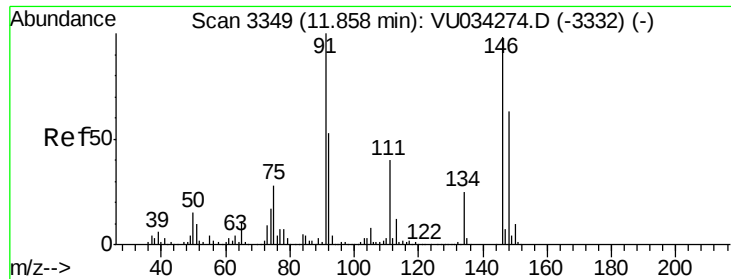
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#90
Hexachloroethane
Concen: 94.456 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034275.D
Acq: 05 Sep 2019 10:46

Tgt Ion: 117 Resp: 343631
Ion Ratio Lower Upper
117 100
201 89.4 44.1 132.4





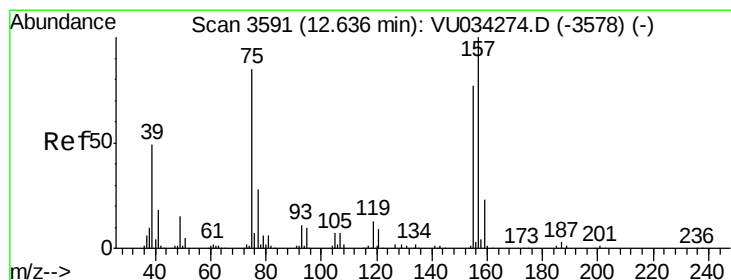
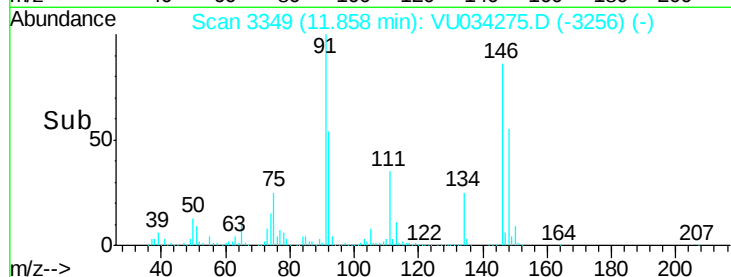
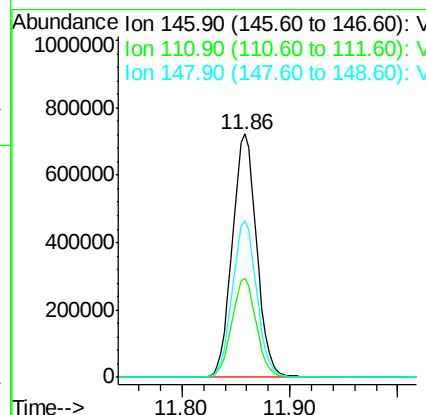
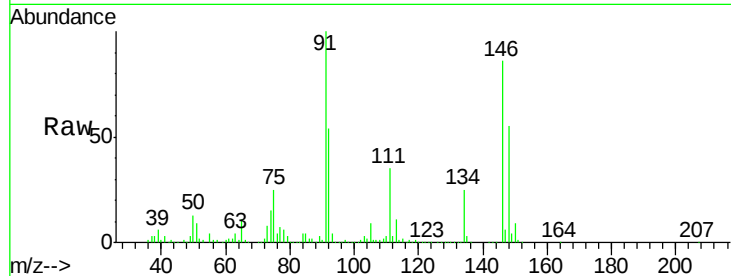
#91
 1,2-Dichlorobenzene
 Concen: 104.811 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

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

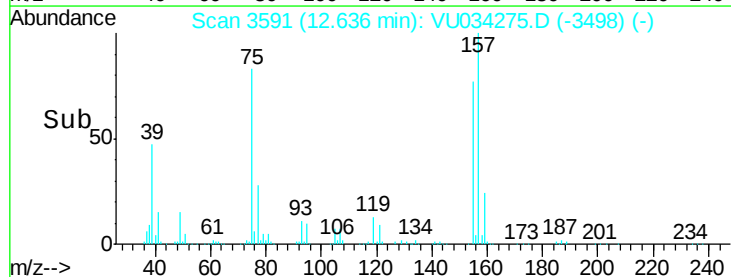
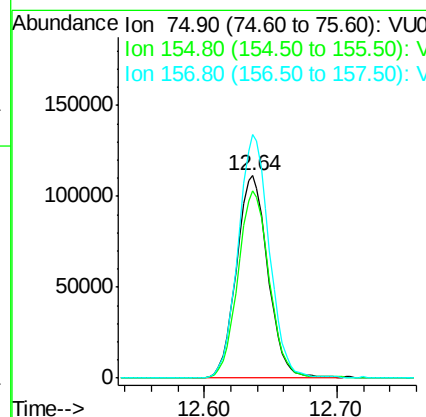
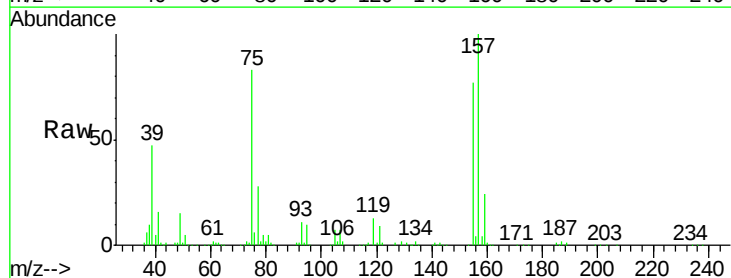
Manual Integrations
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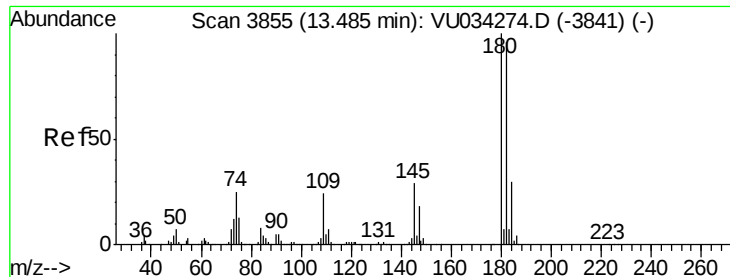
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 102.188 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	44.6	134.0
157	119.2	58.2	174.6





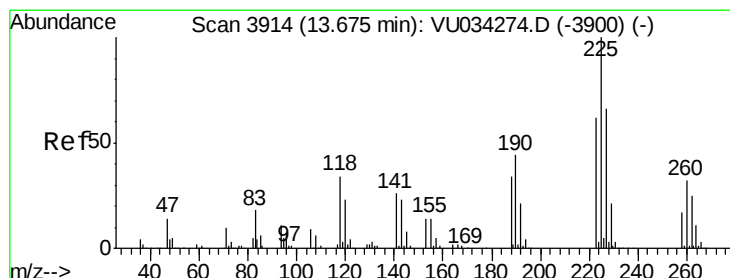
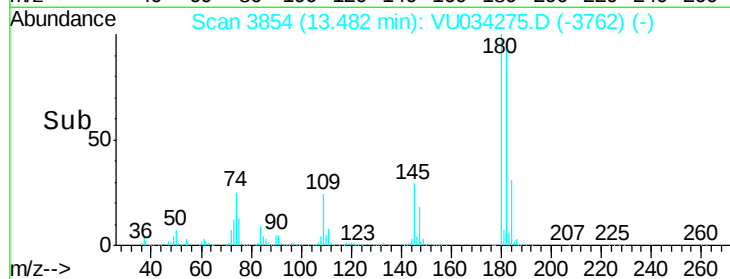
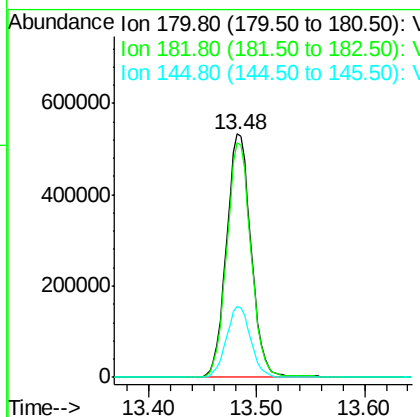
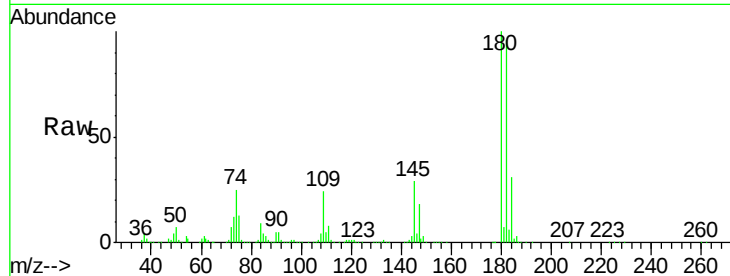
#93
 1,2,4-Trichlorobenzene
 Concen: 126.839 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.7	47.9	143.8	
145	29.0	14.4	43.0	

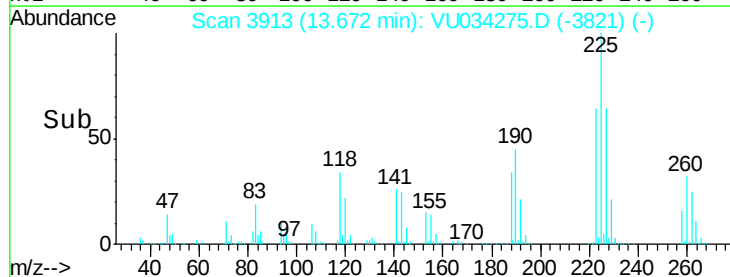
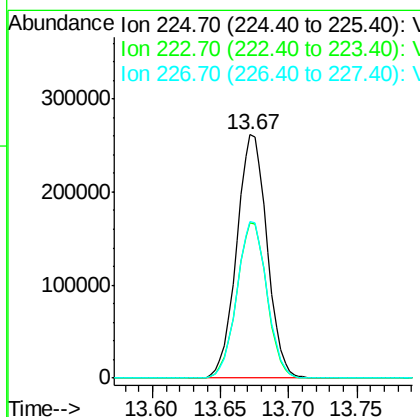
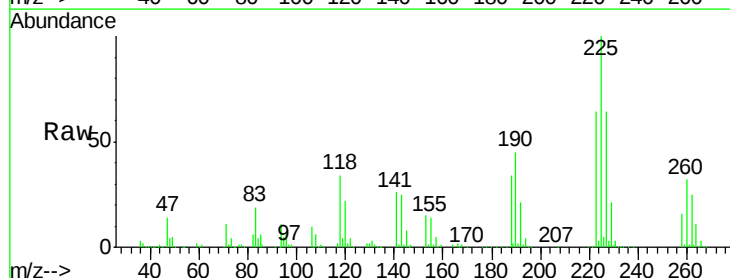
Manual Integrations
 APPROVED

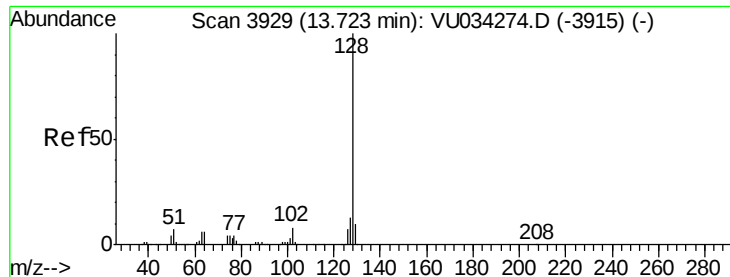
MMDadoda
 9/6/2019 3:21:38 PM



#94
 Hexachlorobutadiene
 Concen: 96.520 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034275.D
 Acq: 05 Sep 2019 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.2	31.6	94.7	
227	63.7	32.3	96.8	





#95

Naphthalene

Concen: 129.988 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 2384384

Ion Ratio Lower Upper

128 100

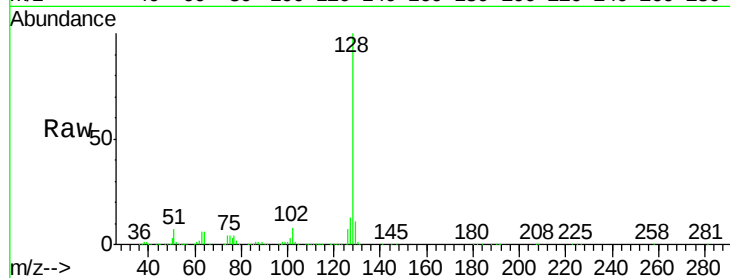
127 12.9 10.6 15.8

129 10.7 8.4 12.6

Manual Integrations
APPROVED

MMDadoda

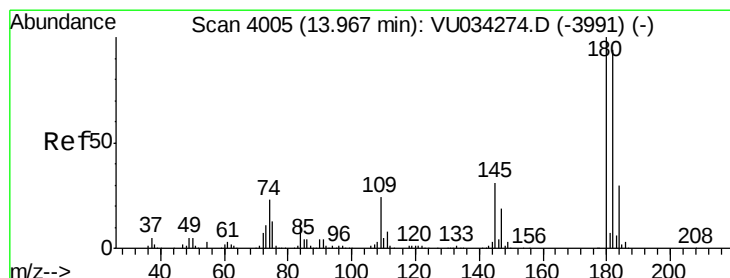
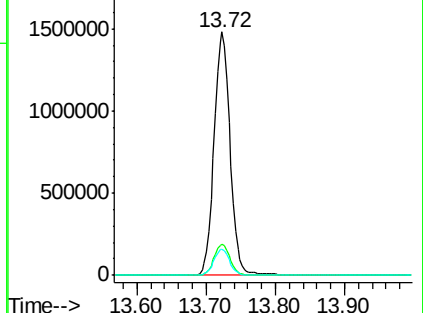
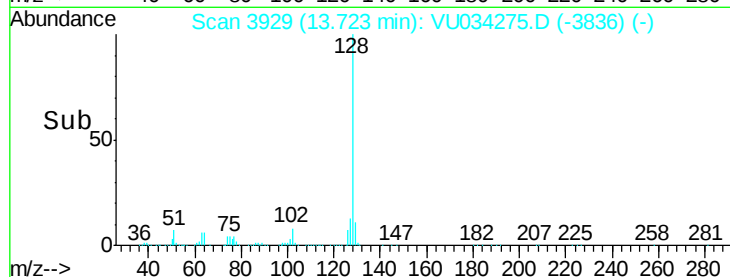
9/6/2019 3:21:38 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 115.808 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034275.D

Acq: 05 Sep 2019 10:46

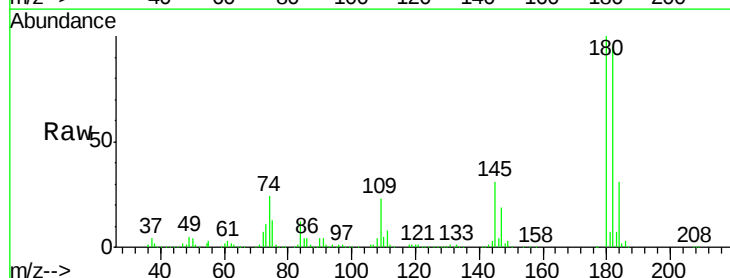
Tgt Ion:180 Resp: 808330

Ion Ratio Lower Upper

180 100

182 95.9 48.4 145.0

145 30.8 15.4 46.4



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

