

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090619\
 Data File : VU034276.D
 Acq On : 05 Sep 2019 11:09
 Operator : JC/SP
 Sample : VSTDICC150
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 9/6/2019 3:21:42 PM

Quant Time: Sep 06 04:48:59 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	330863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	484636	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	494464	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	324138	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	719062	165.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	331.28%	
35) Dibromofluoromethane	4.86	113	636276	179.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	358.06%	
50) Toluene-d8	7.55	98	2528134	188.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	377.72%	
62) 4-Bromofluorobenzene	10.29	95	987756	190.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	381.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	484275	150.166	ug/l	98
3) Chloromethane	1.32	50	575529	120.989	ug/l	98
4) Vinyl Chloride	1.40	62	605218	141.539	ug/l	99
5) Bromomethane	1.60	94	301907	132.385	ug/l	100
6) Chloroethane	1.67	64	373529	140.603	ug/l	98
7) Trichlorofluoromethane	1.87	101	820120	161.116	ug/l	99
8) Diethyl Ether	2.09	74	370295	168.571	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.27	101	536863	165.334	ug/l	99
10) Methyl Iodide	2.40	142	553225	130.286	ug/l	99
11) Tert butyl alcohol	2.83	59	859479	883.438	ug/l	100
12) 1,1-Dichloroethene	2.27	96	514087	157.131	ug/l	98
13) Acrolein	2.18	56	640761	1290.868	ug/l	99
14) Allyl chloride	2.58	41	1003890	162.544	ug/l	100
15) Acrylonitrile	2.92	53	2023107	891.611	ug/l	98
16) Acetone	2.31	43	1734259	798.337	ug/l	99
17) Carbon Disulfide	2.46	76	1128910	114.510	ug/l	100
18) Methyl Acetate	2.60	43	875147	155.920	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	1990762	181.602	ug/l	100
20) Methylene Chloride	2.68	84	639237	156.371	ug/l	100
21) trans-1,2-Dichloroethene	2.96	96	543994	154.080	ug/l	99
22) Diisopropyl ether	3.55	45	2027004	176.184	ug/l	96
23) Vinyl Acetate	3.50	43	8694143	887.780	ug/l	99
24) 1,1-Dichloroethane	3.42	63	1142892	169.092	ug/l	99
25) 2-Butanone	4.24	43	2735371	905.907	ug/l	100
26) 2,2-Dichloropropane	4.20	77	936846	170.574	ug/l	99
27) cis-1,2-Dichloroethene	4.20	96	697100	172.866	ug/l	99
28) Bromochloromethane	4.52	49	504189	150.502	ug/l	99
29) Tetrahydrofuran	4.61	42	1648713	885.163	ug/l	99
30) Chloroform	4.65	83	1127381	165.889	ug/l	99
31) Cyclohexane	4.97	56	856859	140.743	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	942158	170.455	ug/l	99
36) 1,1-Dichloropropene	5.11	75	775672	168.986	ug/l	100
37) Ethyl Acetate	4.36	43	969294	185.951	ug/l	99
38) Carbon Tetrachloride	5.11	117	810109	179.617	ug/l	98

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Quant Time: Sep 06 04:48:59 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)
39) Methylcyclohexane	6.39	83	893385	168.049	ug/l	98
40) Benzene	5.37	78	2463384	175.005	ug/l	99
41) Methacrylonitrile	4.52	41	540575	200.149	ug/l	99
42) 1,2-Dichloroethane	5.38	62	839525	172.886	ug/l	100
43) Isopropyl Acetate	5.53	43	1580952	198.314	ug/l	100
44) Trichloroethene	6.16	130	679980	182.056	ug/l	98
45) 1,2-Dichloropropane	6.41	63	732710	187.296	ug/l	99
46) Dibromomethane	6.54	93	461500	183.362	ug/l	100
47) Bromodichloromethane	6.74	83	953558	192.138	ug/l	99
48) Methyl methacrylate	6.60	41	763711	199.994	ug/l	100
49) 1,4-Dioxane	6.59	88	337333	3598.247	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	5353331	969.217	ug/l	99
52) Toluene	7.62	92	1609064	184.596	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	1104300	202.924	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	1167598	195.689	ug/l	99
55) 1,1,2-Trichloroethane	8.05	97	734167	196.400	ug/l	98
56) Ethyl methacrylate	8.00	69	1177971	213.559	ug/l	100
57) 1,3-Dichloropropane	8.22	76	1198537	190.257	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	2041889	1025.211	ug/l	100
59) 2-Hexanone	8.35	43	4072322	977.749	ug/l	99
60) Dibromochloromethane	8.46	129	838173	208.087	ug/l	99
61) 1,2-Dibromoethane	8.57	107	737077	189.178	ug/l	100
64) Tetrachloroethene	8.21	164	600756	177.207	ug/l	98
65) Chlorobenzene	9.10	112	1911076	184.455	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	734859	194.126	ug/l	100
67) Ethyl Benzene	9.23	91	3264264	187.231	ug/l	99
68) m/p-Xylenes	9.36	106	2482536	373.108	ug/l	100
69) o-Xylene	9.76	106	1235038	193.248	ug/l	99
70) Styrene	9.77	104	2240201	203.344	ug/l	99
71) Bromoform	9.94	173	675015	204.573	ug/l #	100
73) Isopropylbenzene	10.15	105	3380884	159.280	ug/l	100
74) N-amyl acetate	10.00	43	1502009	169.527	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.44	83	1221499	148.645	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	1068457m	151.089	ug/l	
77) Bromobenzene	10.43	156	909186	157.866	ug/l	99
78) n-propylbenzene	10.57	91	3931430	158.930	ug/l	100
79) 2-Chlorotoluene	10.64	91	2304426	155.089	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	2891964	160.680	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	359374m	168.377	ug/l	
82) 4-Chlorotoluene	10.75	91	2705121	157.892	ug/l	100
83) tert-Butylbenzene	11.08	119	2892921	163.212	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	2931900	164.027	ug/l	99
85) sec-Butylbenzene	11.31	105	3451631	162.429	ug/l	100
86) p-Isopropyltoluene	11.46	119	3188919	165.783	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	1646288	160.880	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	1646733	158.601	ug/l	99
89) n-Butylbenzene	11.87	91	2925805	172.770	ug/l	100
90) Hexachloroethane	12.13	117	510439	155.186	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	1610241	163.714	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	267131	164.148	ug/l	96

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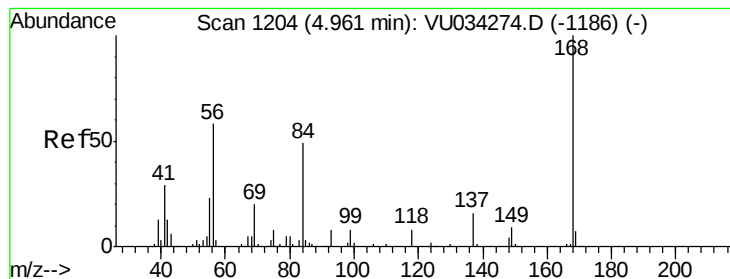
Manual Integrations
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9/6/2019 3:21:42 PM

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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)
93) 1,2,4-Trichlorobenzene	13.48	180	1239008	206.107	ug/l	99
94) Hexachlorobutadiene	13.67	225	573788	151.882	ug/l	100
95) Naphthalene	13.72	128	3517685	212.106	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	1179555	186.912	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: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 330863

Ion Ratio Lower Upper

168 100

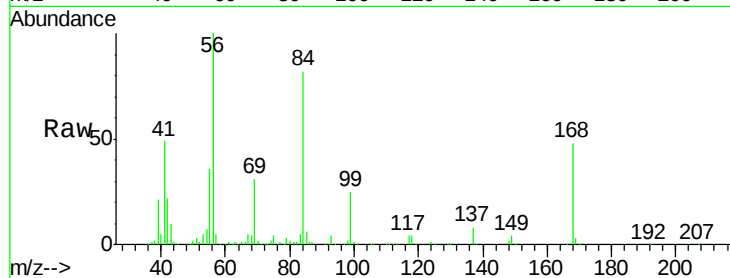
99 51.4 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): VU034276.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034276.D (-1186) (-)

300000

250000

200000

150000

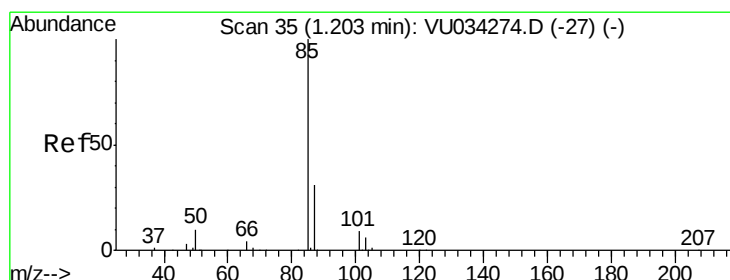
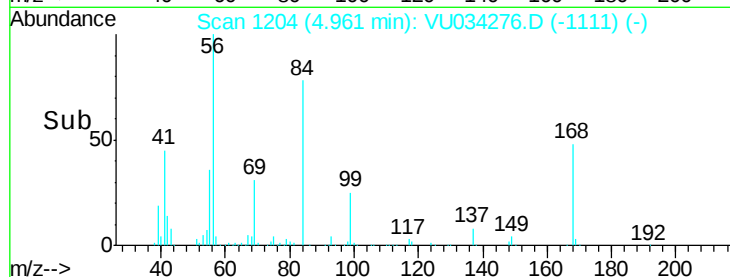
100000

50000

0

4.90 4.96 5.00 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 150.166 ug/l

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034276.D

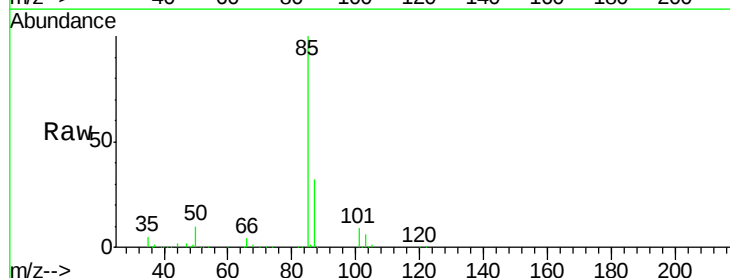
Acq: 05 Sep 2019 11:09

Tgt Ion: 85 Resp: 484275

Ion Ratio Lower Upper

85 100

87 32.4 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034276.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VU034276.D (-1) (-)

600000

500000

400000

300000

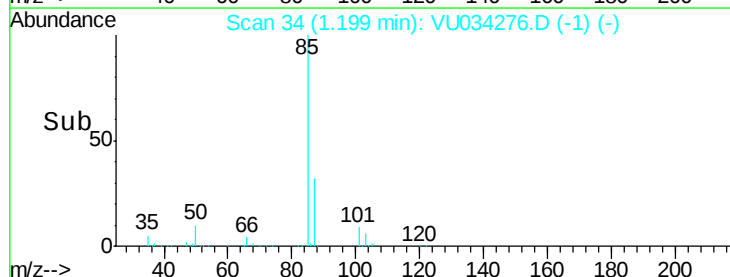
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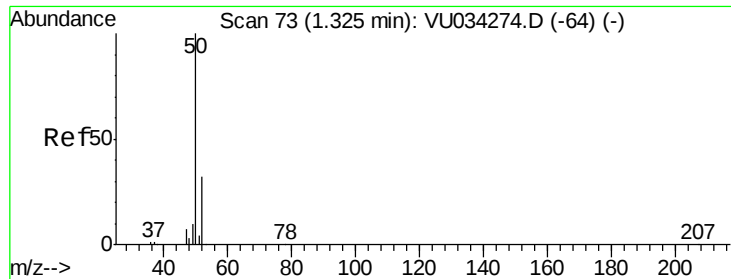
100000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 120.989 ug/l

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 575529

Ion Ratio Lower Upper

50 100

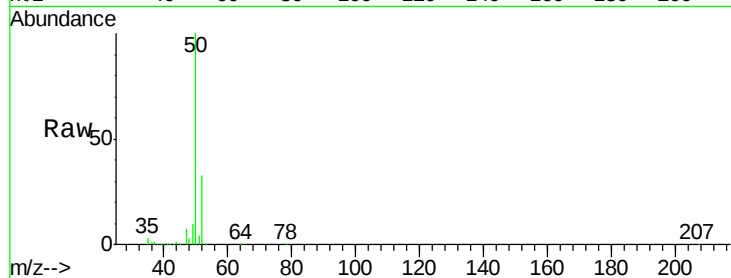
52 33.2 25.8 38.6

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Abundance Ion 49.90 (49.60 to 50.60): VU034276.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034276.D (-1) (-)

1.32

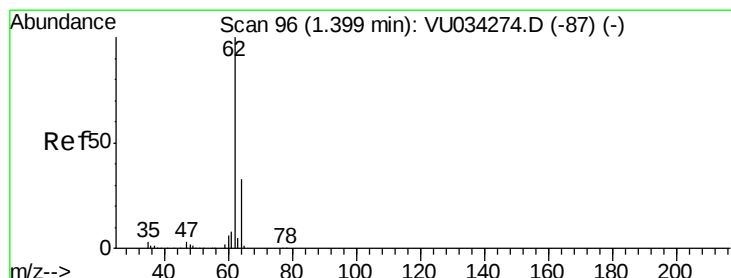
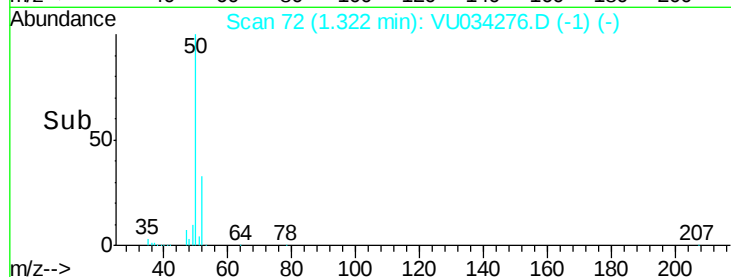
600000

400000

200000

0

Time-->



#4

Vinyl Chloride

Concen: 141.539 ug/l

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034276.D

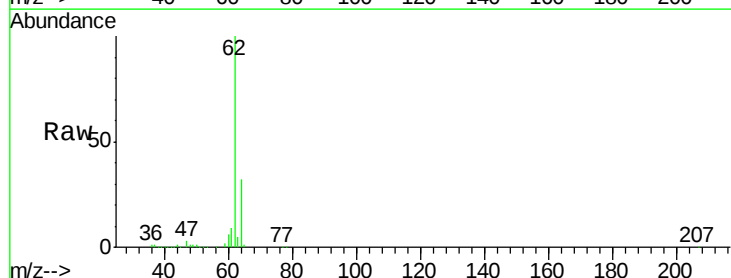
Acq: 05 Sep 2019 11:09

Tgt Ion: 62 Resp: 605218

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034276.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034276.D (-3) (-)

1.40

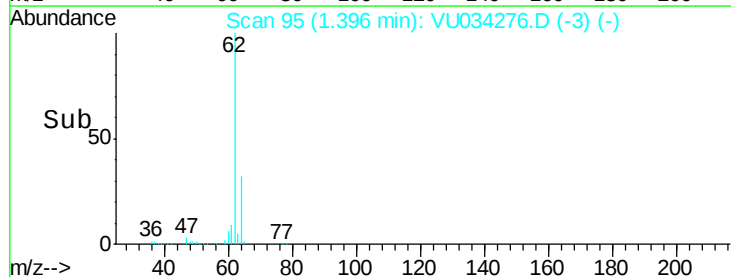
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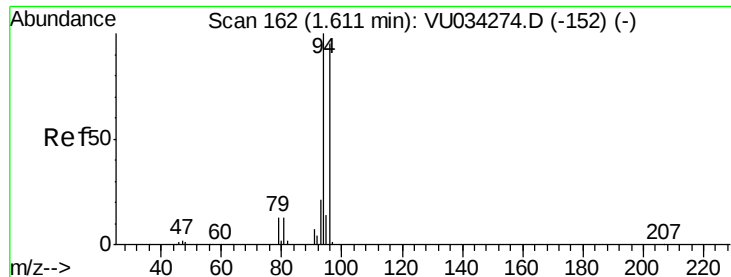
400000

200000

0

Time-->





#5

Bromomethane

Concen: 132.385 ug/l

RT: 1.60 min Scan# 158

Delta R.T. -0.01 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 301907

Ion Ratio Lower Upper

94 100

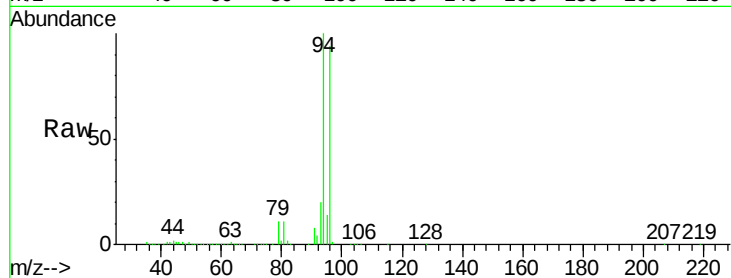
96 94.5 75.7 113.5

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VU034276.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034276.D (-152) (-)

1.60

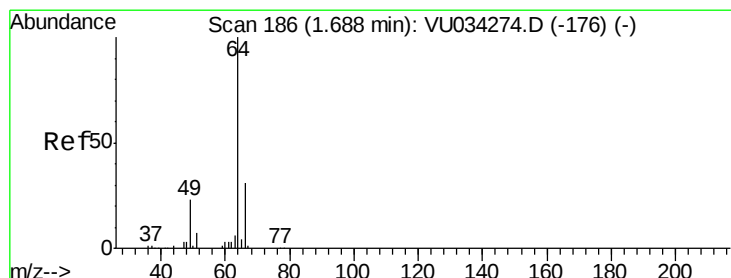
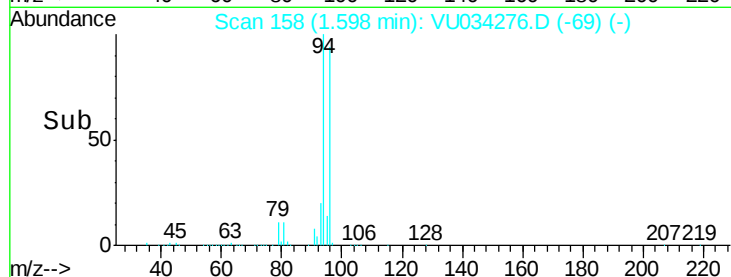
300000

200000

100000

0

Time-->



#6

Chloroethane

Concen: 140.603 ug/l

RT: 1.67 min Scan# 181

Delta R.T. -0.02 min

Lab File: VU034276.D

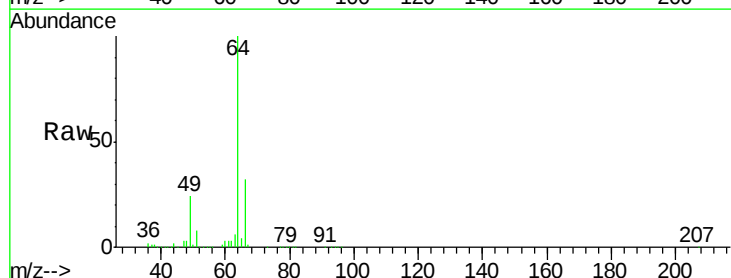
Acq: 05 Sep 2019 11:09

Tgt Ion: 64 Resp: 373529

Ion Ratio Lower Upper

64 100

66 32.2 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034276.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034276.D (-176) (-)

1.67

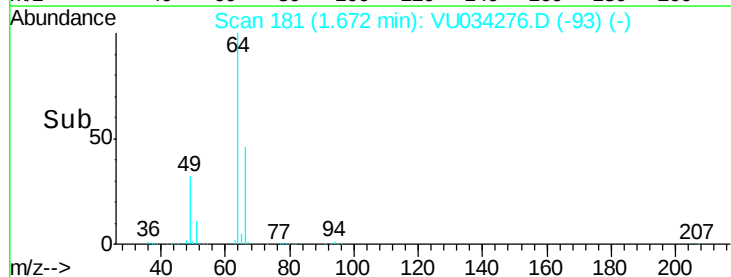
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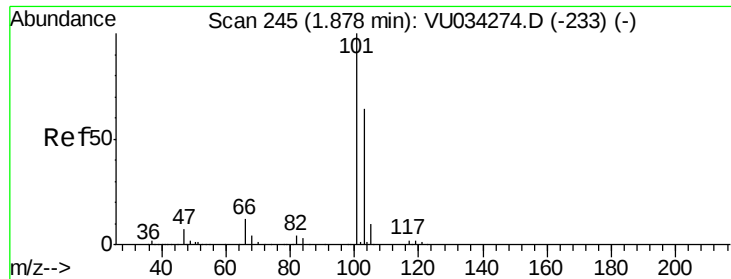
200000

100000

0

Time-->





#7

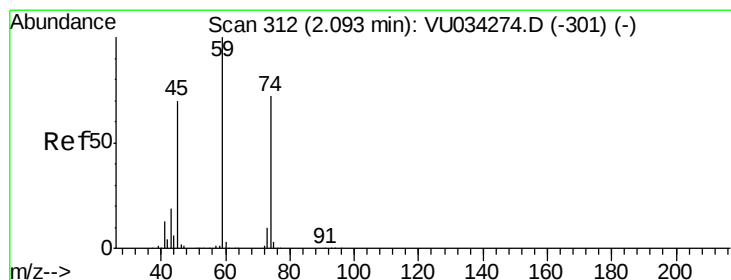
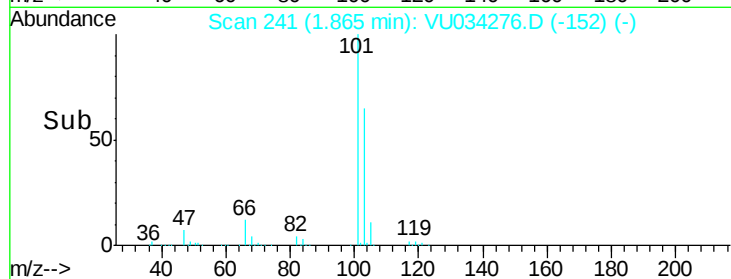
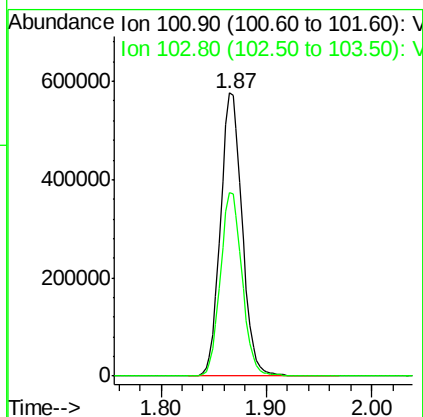
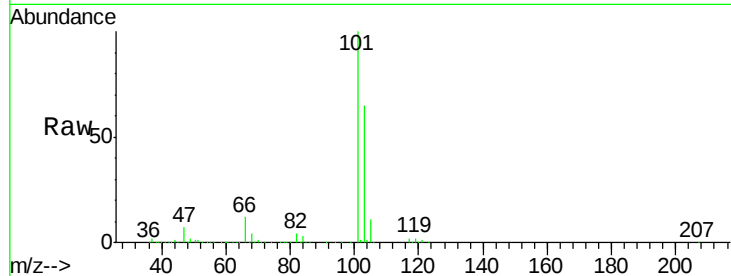
Trichlorofluoromethane
Concen: 161.116 ug/l
RT: 1.87 min Scan# 241
Delta R.T. -0.01 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	820120		
103	64.9	51.0	76.6	

Manual Integrations
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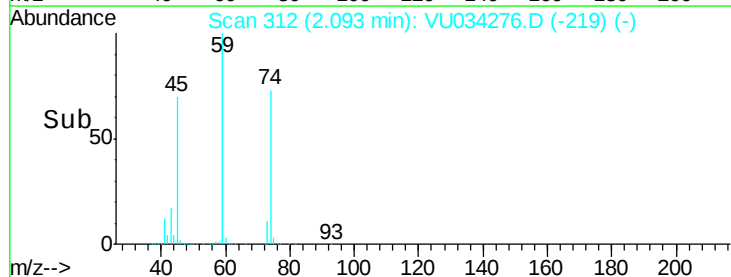
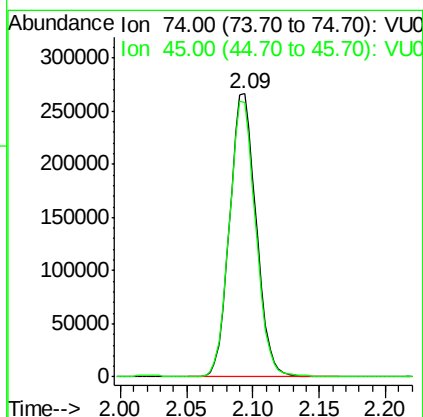
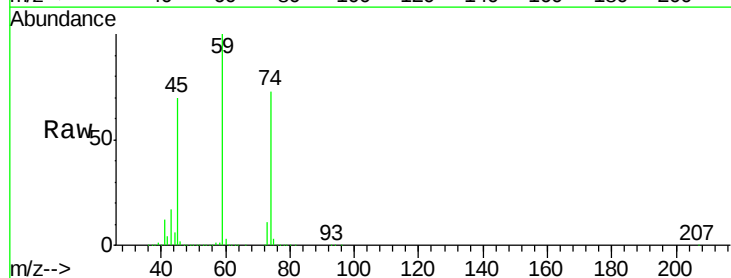
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9/6/2019 3:21:42 PM



#8

Diethyl Ether
Concen: 168.571 ug/l
RT: 2.09 min Scan# 312
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	370295		
45	96.4	48.2	144.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 165.334 ug/l

RT: 2.27 min Scan# 367

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

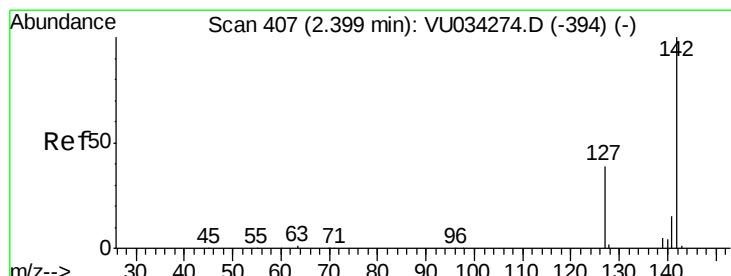
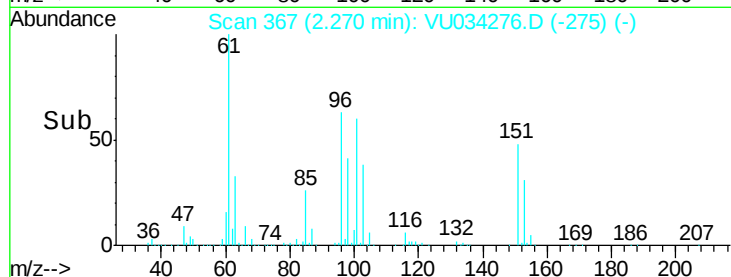
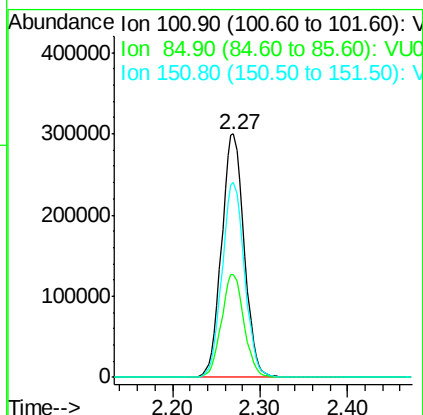
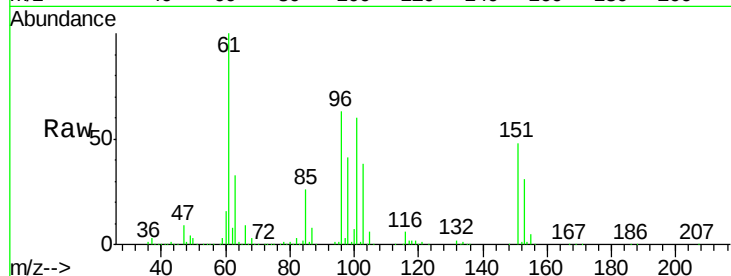
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	536863
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	79.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 130.286 ug/l

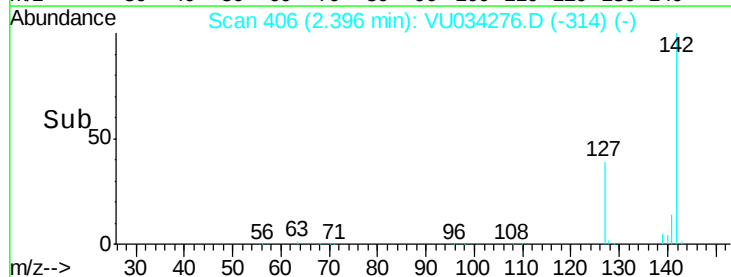
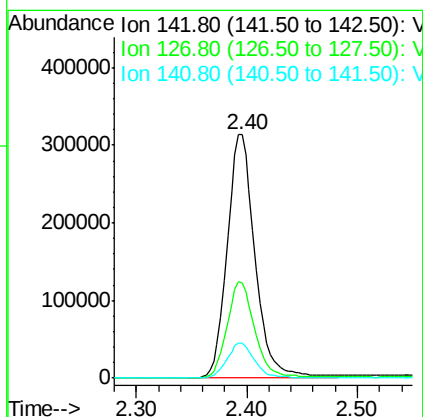
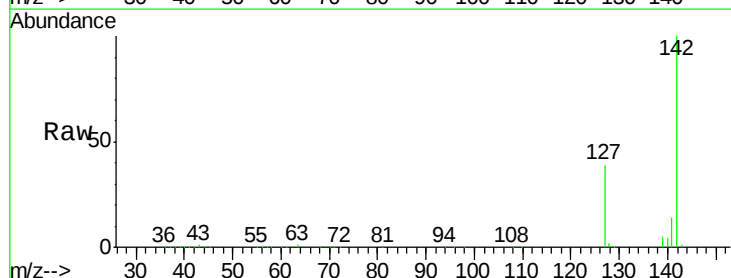
RT: 2.40 min Scan# 406

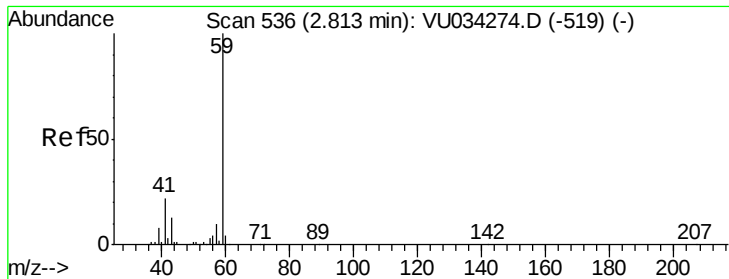
Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion:	142	Resp:	553225
Ion Ratio	Lower	Upper	
142	100		
127	39.5	32.1	48.1
141	14.2	11.5	17.3





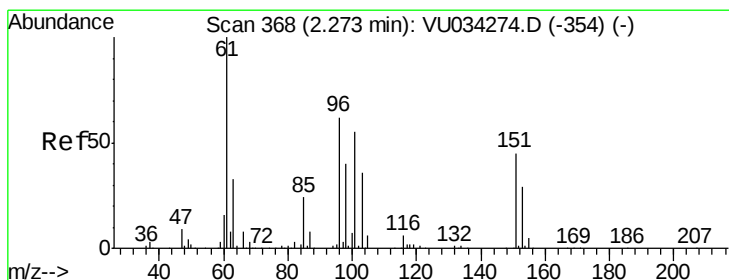
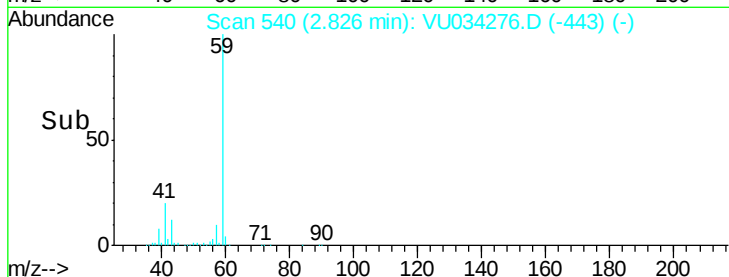
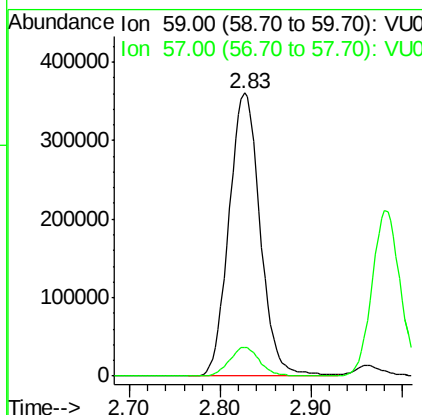
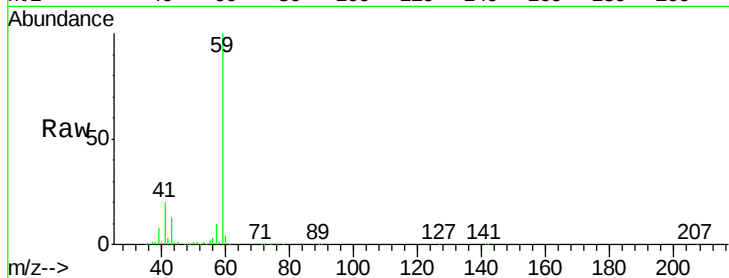
#11
Tert butyl alcohol
Concen: 883.438 ug/l
RT: 2.83 min Scan# 540
Delta R.T. 0.01 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	7.9	11.9

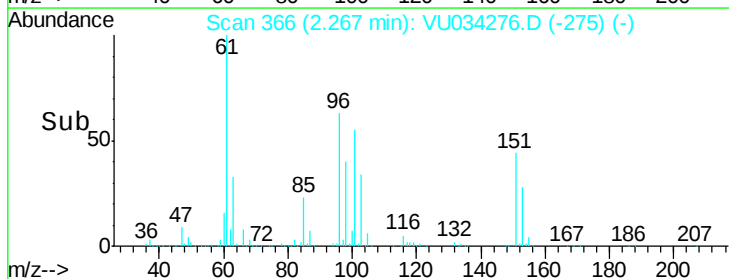
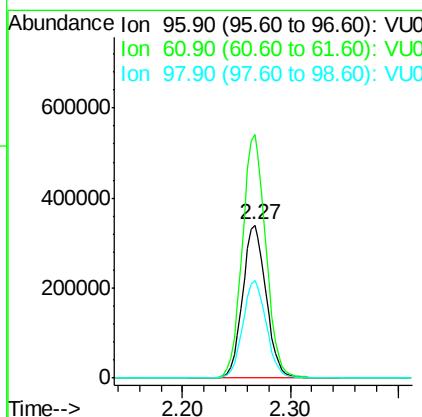
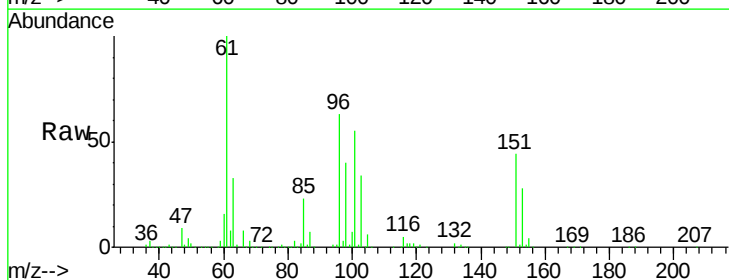
Manual Integrations
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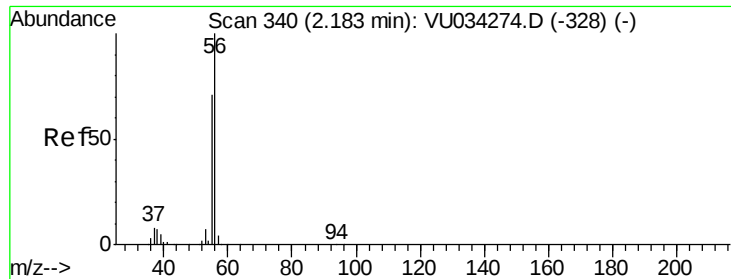
MMDadoda
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#12
1,1-Dichloroethene
Concen: 157.131 ug/l
RT: 2.27 min Scan# 366
Delta R.T. -0.01 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.5	130.0	195.0
98	63.9	52.2	78.4





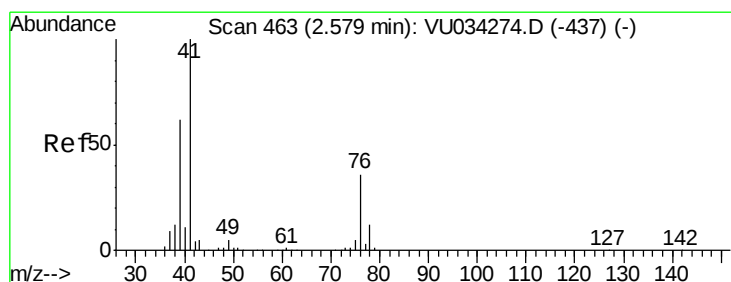
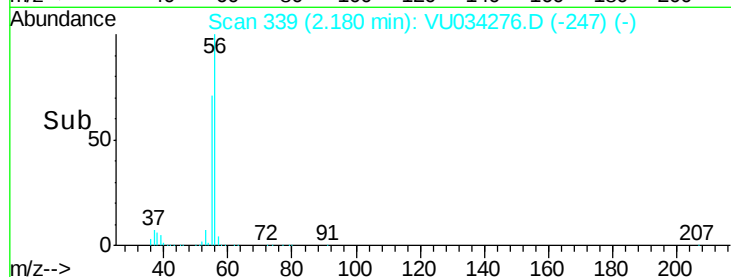
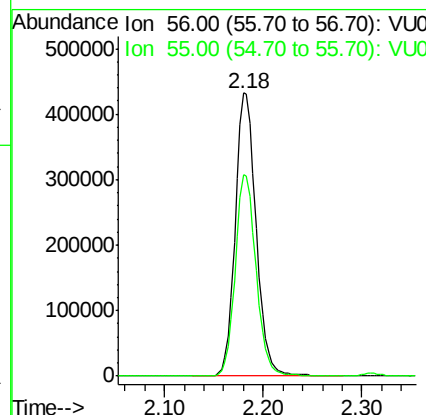
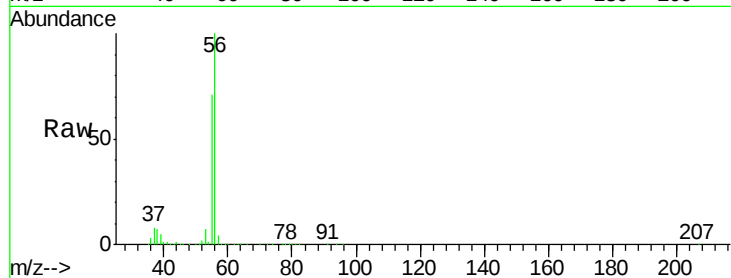
#13
Acrolein
Concen: 1290.868 ug/l
RT: 2.18 min Scan# 339
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	56	Resp	640761
Ion Ratio	100	Lower	Upper
56	100		
55	71.0	57.4	86.2

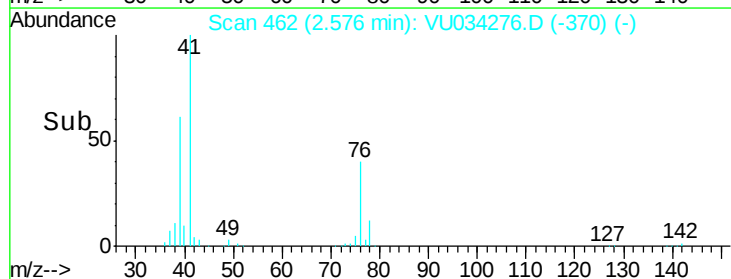
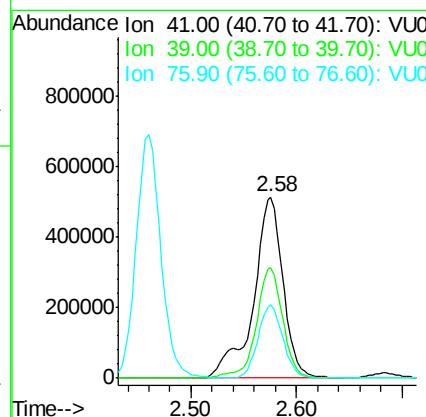
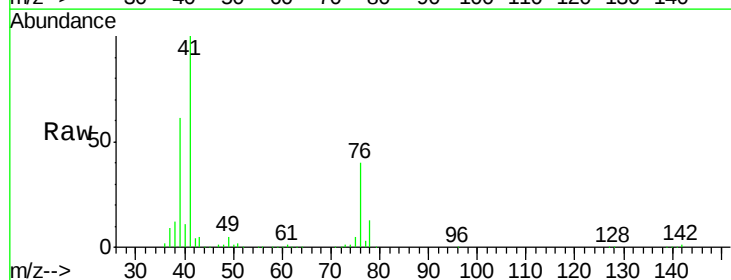
Manual Integrations
APPROVED

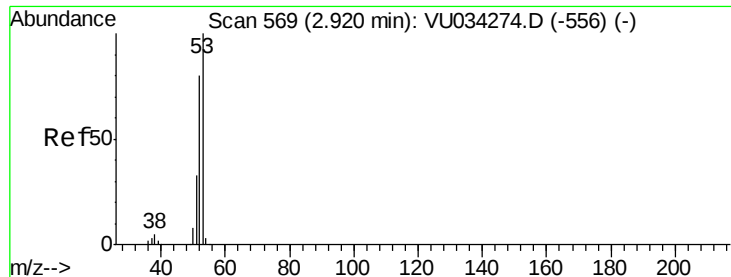
MMDadoda
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#14
Allyl chloride
Concen: 162.544 ug/l
RT: 2.58 min Scan# 462
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	41	Resp	1003890
Ion Ratio	100	Lower	Upper
41	100		
39	54.4	43.5	65.3
76	34.1	27.0	40.6





#15

Acrylonitrile

Concen: 891.611 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 53 Resp: 2023107

Ion Ratio Lower Upper

53 100

52 82.5 64.1 96.1

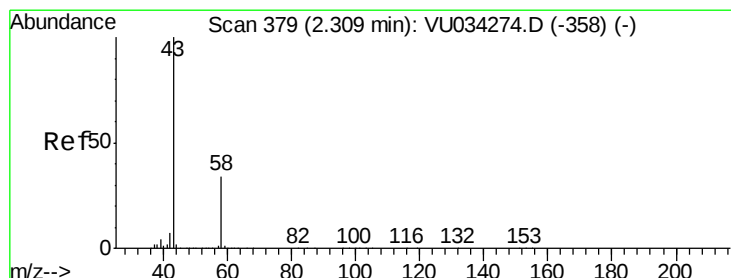
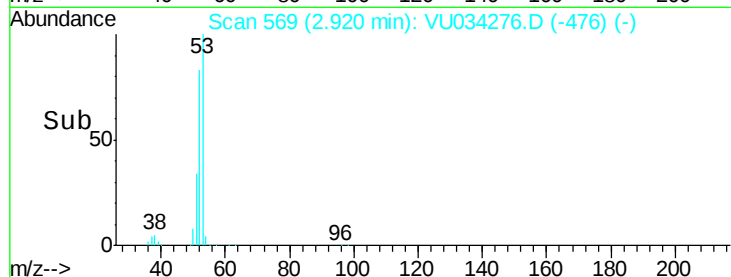
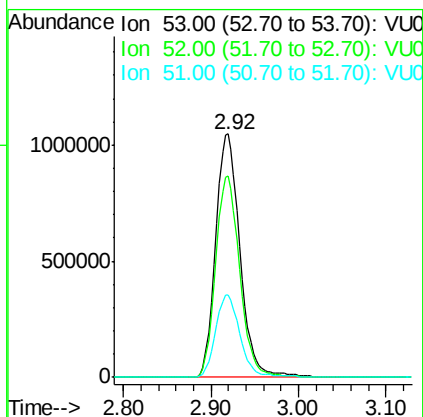
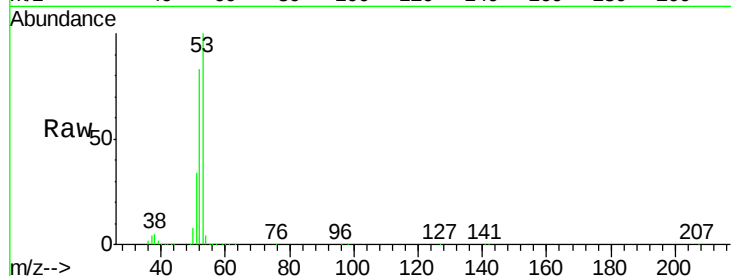
51 34.4 27.4 41.0

Manual Integrations

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#16

Acetone

Concen: 798.337 ug/l

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VU034276.D

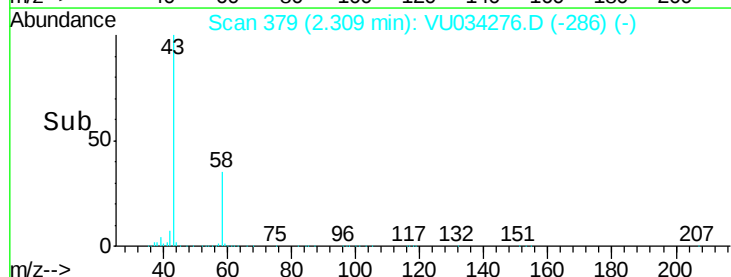
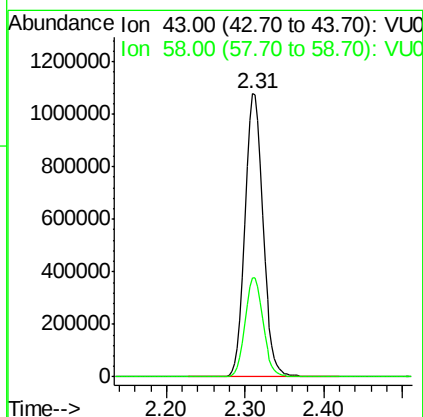
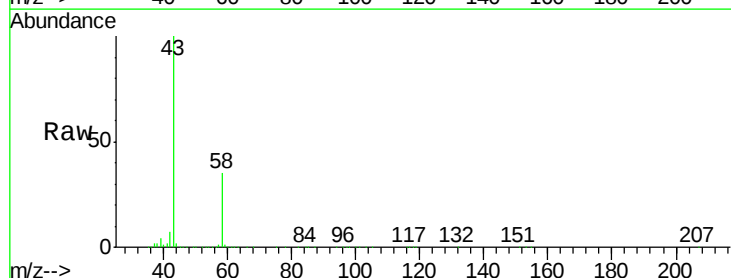
Acq: 05 Sep 2019 11:09

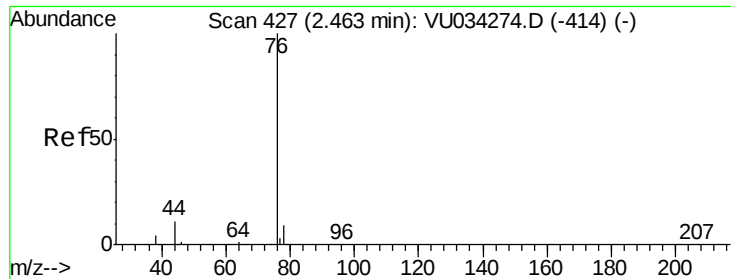
Tgt Ion: 43 Resp: 1734259

Ion Ratio Lower Upper

43 100

58 35.0 27.6 41.4





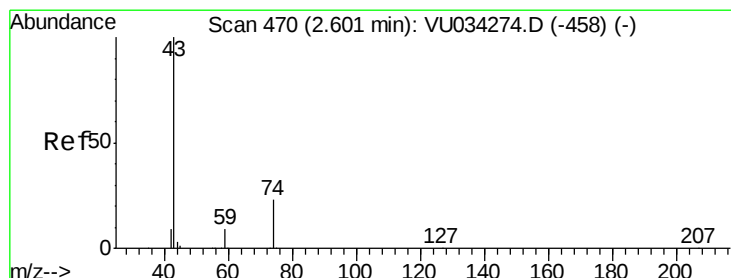
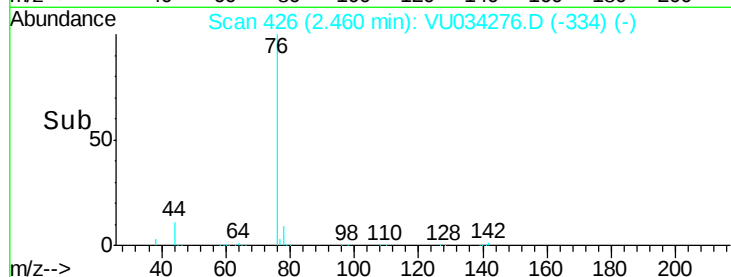
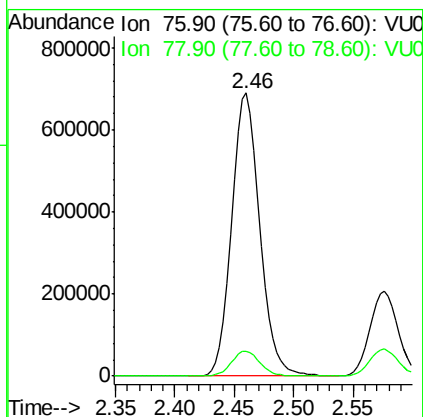
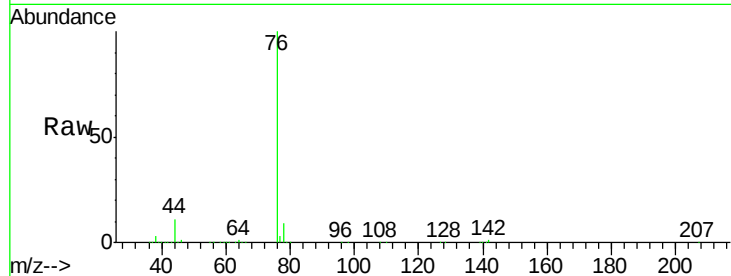
#17
Carbon Disulfide
Concen: 114.510 ug/l
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 76 Resp: 1128910
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

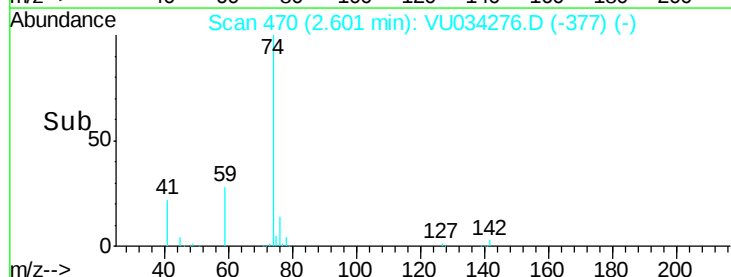
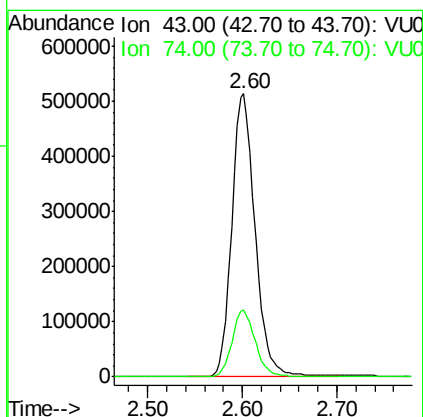
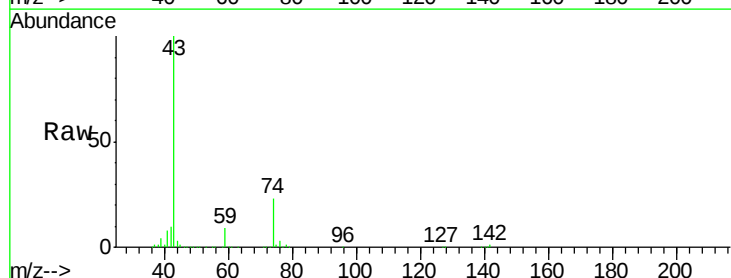
Manual Integrations
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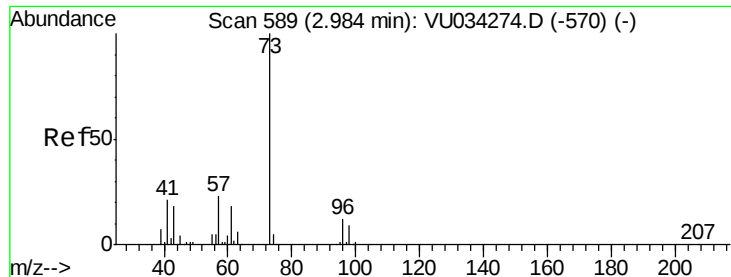
MMDadoda
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#18
Methyl Acetate
Concen: 155.920 ug/l
RT: 2.60 min Scan# 470
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 43 Resp: 875147
Ion Ratio Lower Upper
43 100
74 24.0 18.9 28.3





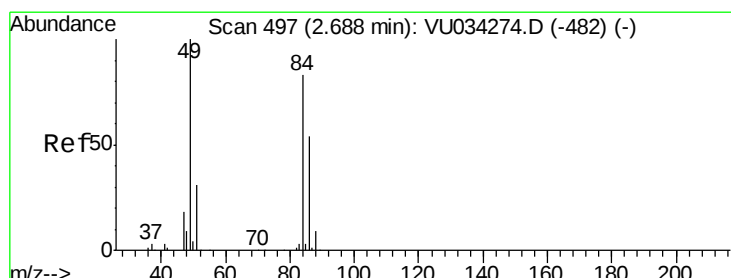
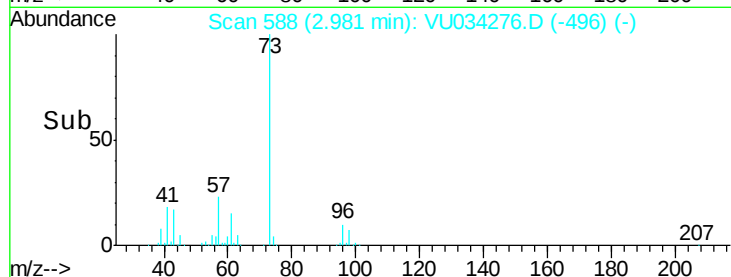
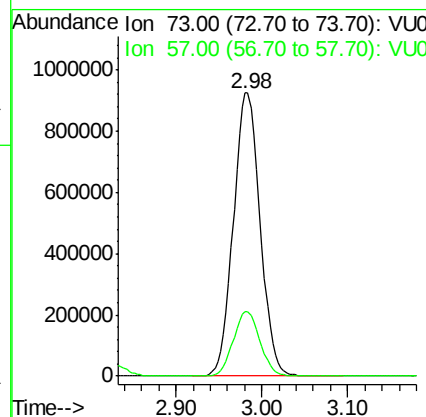
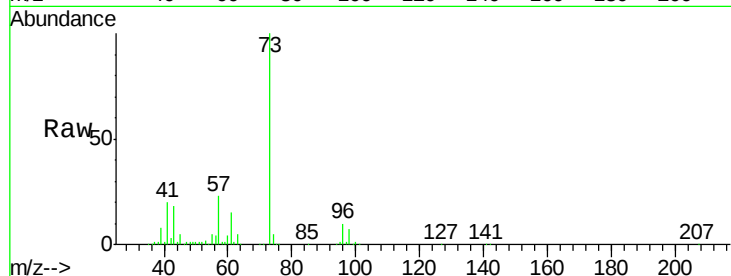
#19
Methvl tert-butvl Ether
Concen: 181.602 ug/l
RT: 2.98 min Scan# 588
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 1990762
Ion Ratio Lower Upper
73 100
57 22.7 18.2 27.4

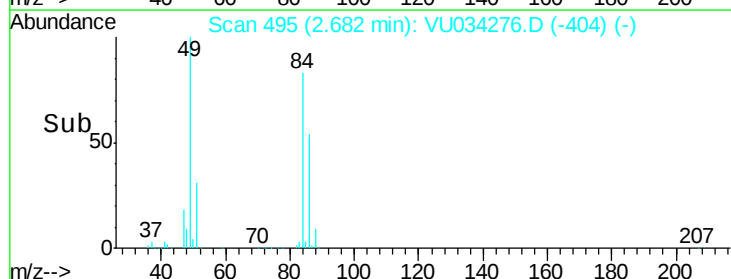
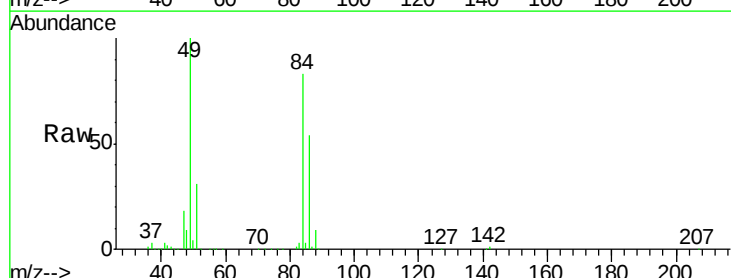
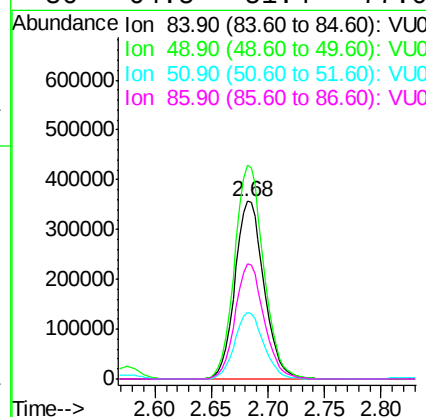
Manual Integrations
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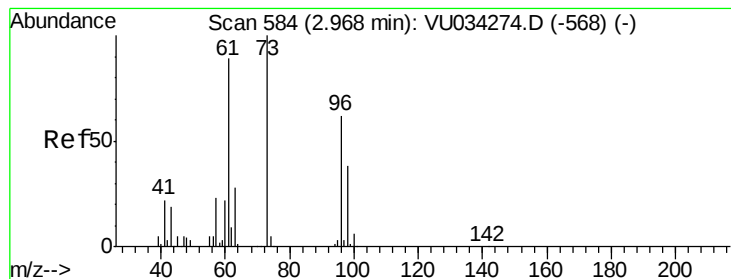
MMDadoda
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#20
Methylene Chloride
Concen: 156.371 ug/l
RT: 2.68 min Scan# 495
Delta R.T. -0.01 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 84 Resp: 639237
Ion Ratio Lower Upper
84 100
49 120.1 96.0 144.0
51 37.7 30.0 45.0
86 64.5 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 154.080 ug/l

RT: 2.96 min Scan# 582

Delta R.T. -0.01 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 543994

Ion Ratio Lower Upper

96 100

61 143.3 114.8 172.2

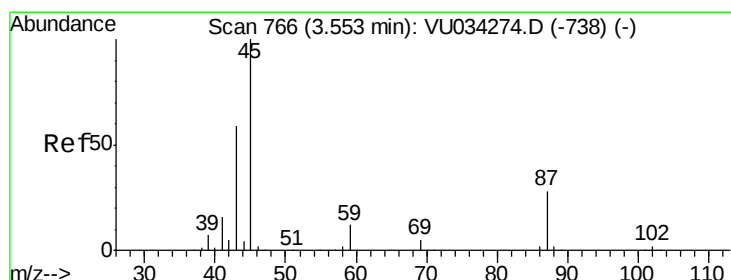
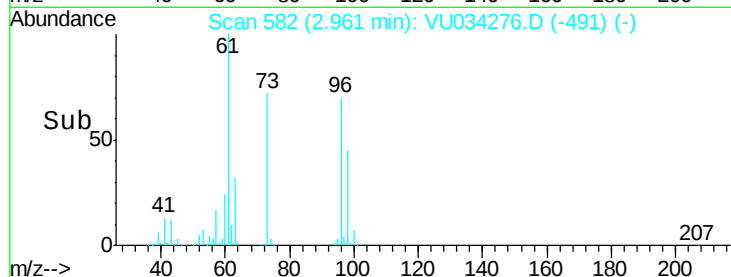
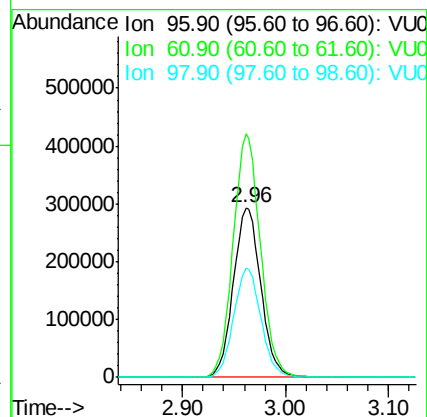
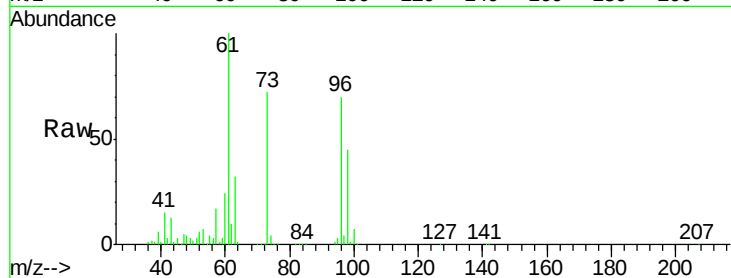
98 64.1 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 176.184 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion: 45 Resp: 2027004

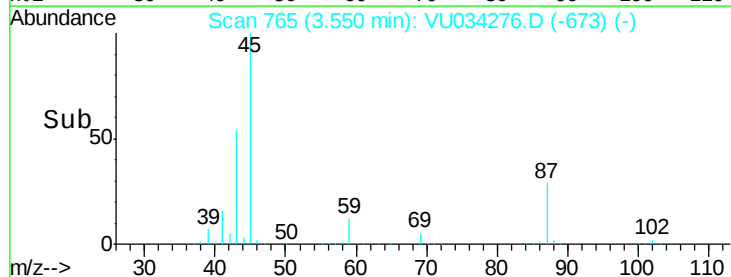
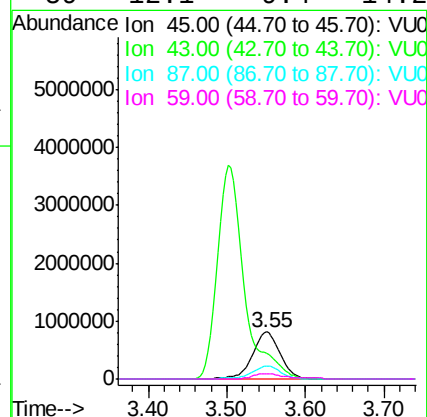
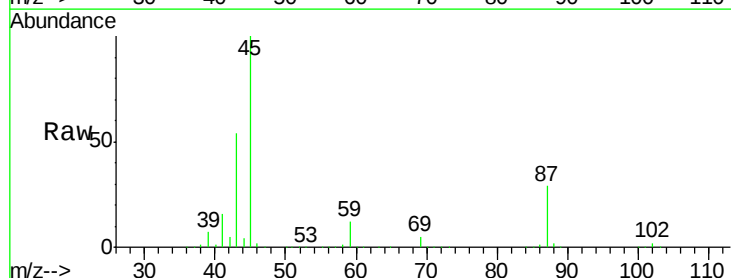
Ion Ratio Lower Upper

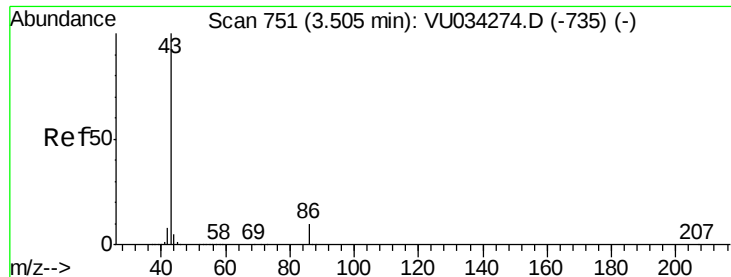
45 100

43 54.4 47.5 71.3

87 28.6 22.2 33.4

59 12.1 9.4 14.2





#23

Vinyl Acetate

Concen: 887.780 ug/l

RT: 3.50 min Scan# 750

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 8694143

Ion Ratio Lower Upper

43 100

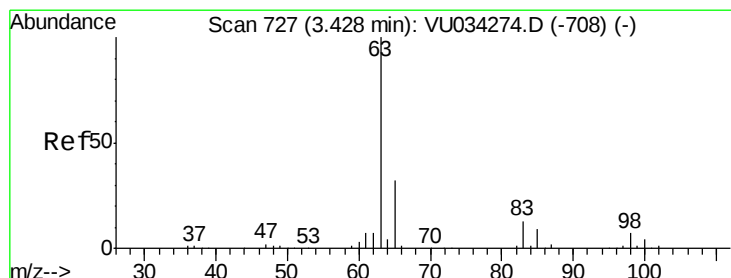
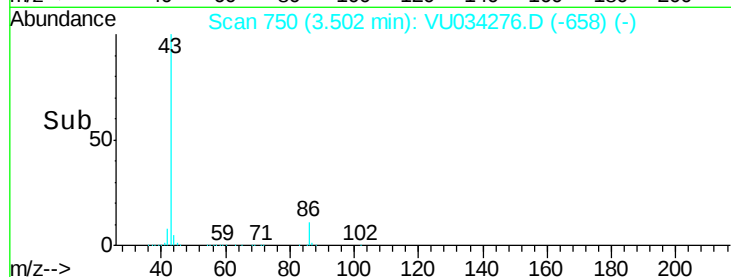
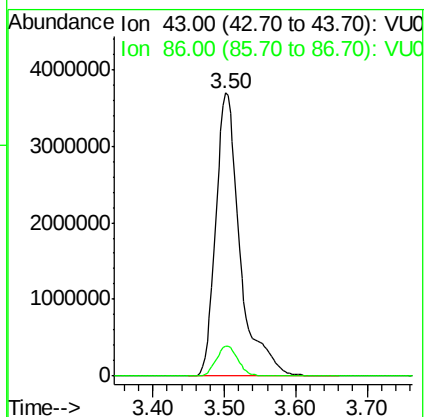
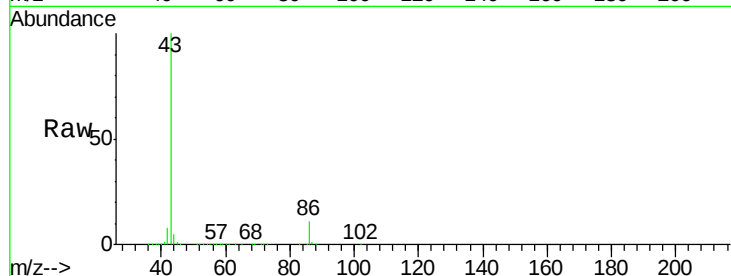
86 10.6 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 169.092 ug/l

RT: 3.42 min Scan# 726

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

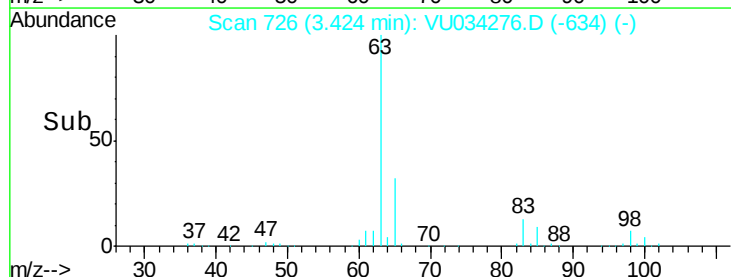
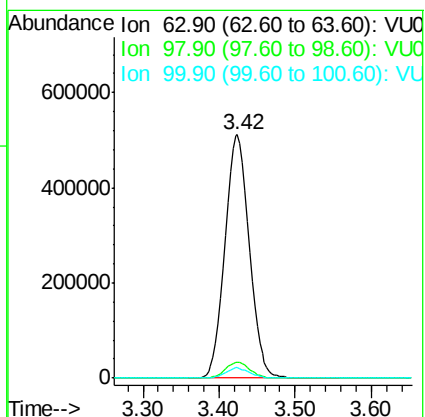
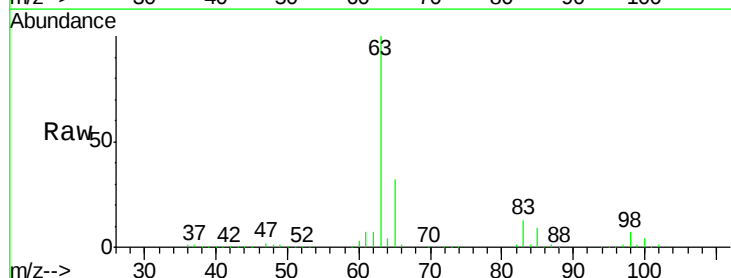
Tgt Ion: 63 Resp: 1142892

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.1 2.1 6.5





#25

2-Butanone

Concen: 905.907 ug/l

RT: 4.24 min Scan# 979

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 2735371

Ion Ratio Lower Upper

43 100

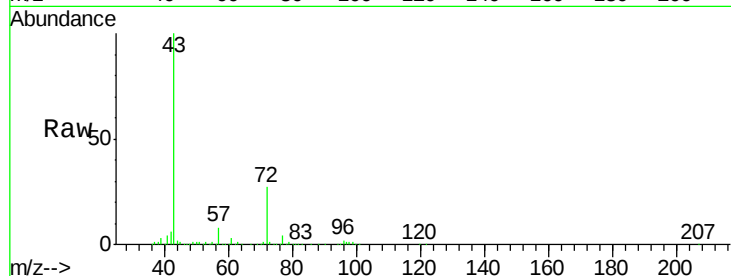
72 27.4 21.8 32.6

Manual Integrations

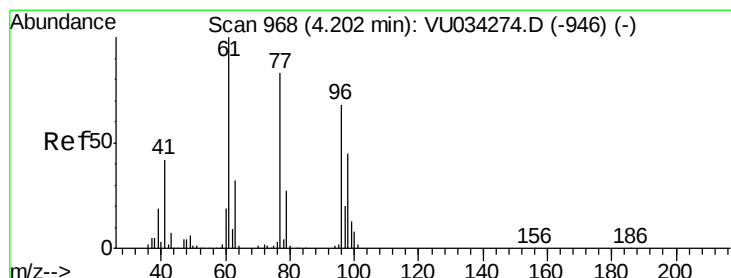
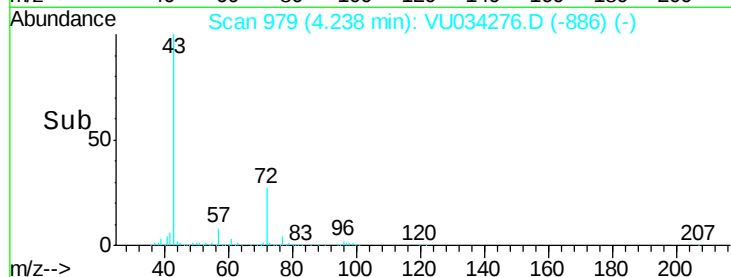
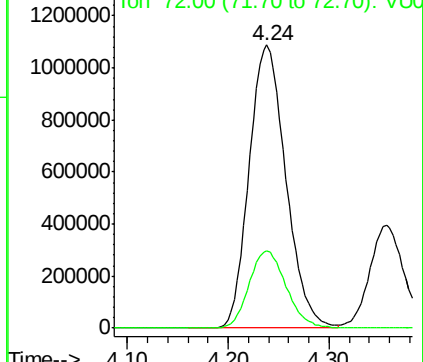
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Abundance Ion 43.00 (42.70 to 43.70): VU034276.D (-886) (-)



#26

2,2-Dichloropropane

Concen: 170.574 ug/l

RT: 4.20 min Scan# 967

Delta R.T. -0.00 min

Lab File: VU034276.D

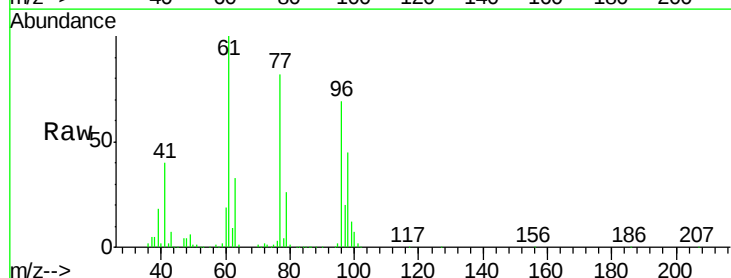
Acq: 05 Sep 2019 11:09

Tgt Ion: 77 Resp: 936846

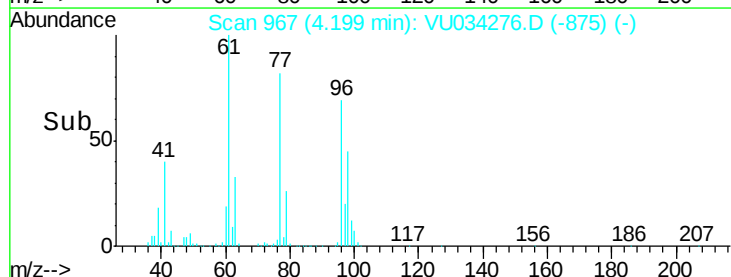
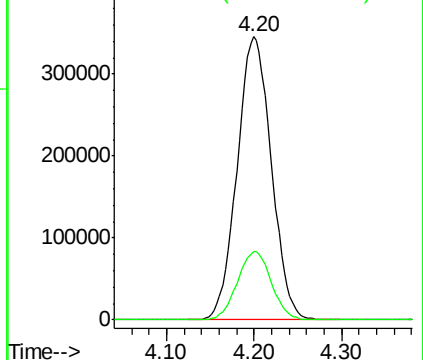
Ion Ratio Lower Upper

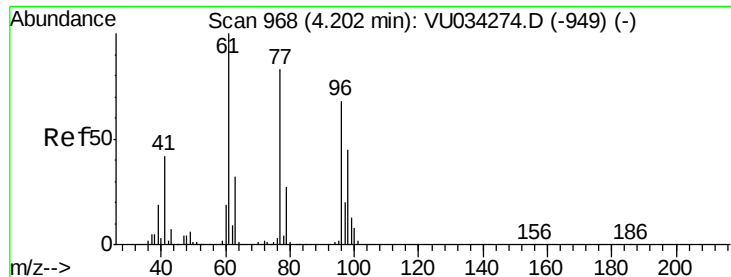
77 100

97 24.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034276.D (-875) (-)





#27

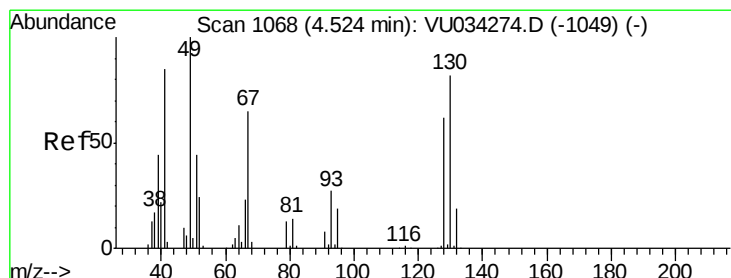
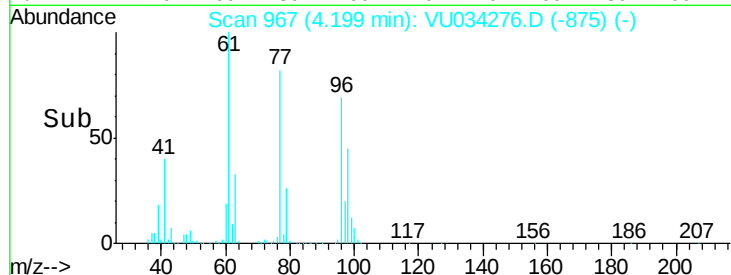
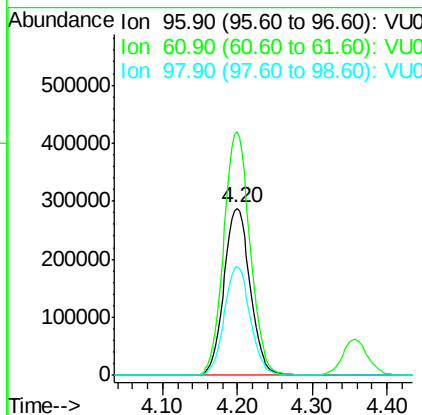
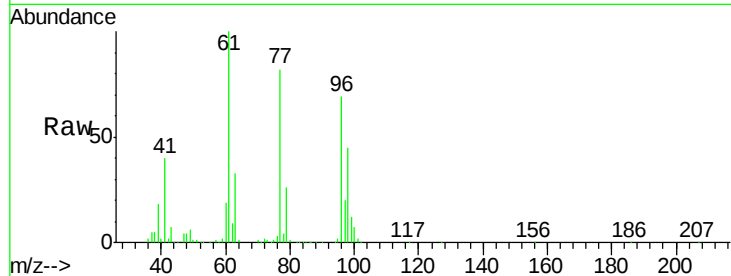
cis-1,2-Dichloroethene
Concen: 172.866 ug/l
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampled :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	697100		
61	147.0	0.0	297.4	
98	64.6	0.0	130.0	

Manual Integrations
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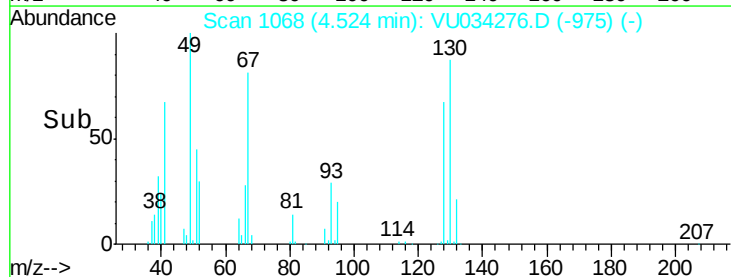
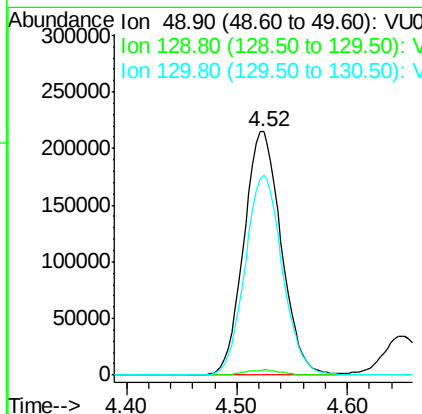
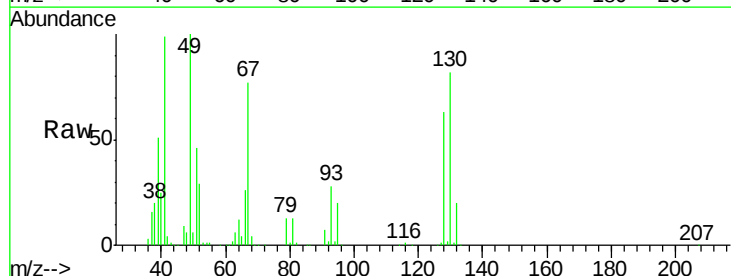
MMDadoda
9/6/2019 3:21:42 PM

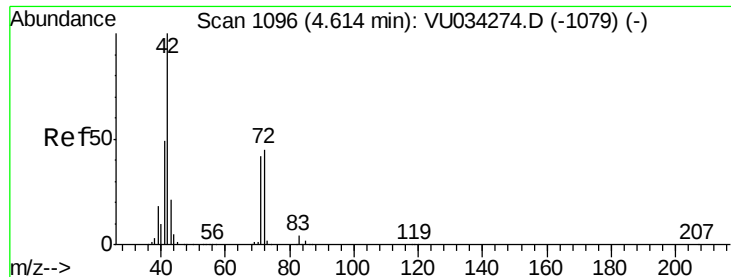


#28

Bromochloromethane
Concen: 150.502 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	504189		
129	2.0	0.0	3.8	
130	82.0	65.2	97.8	





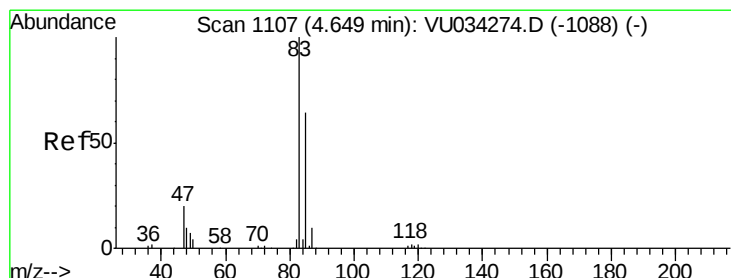
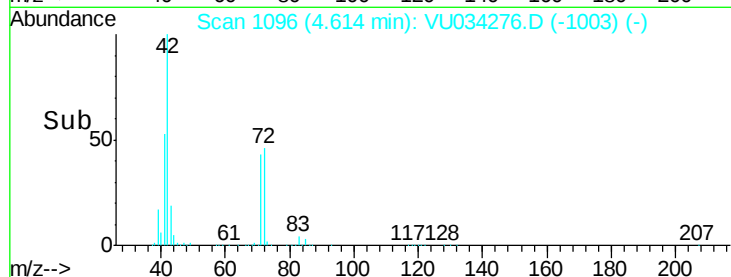
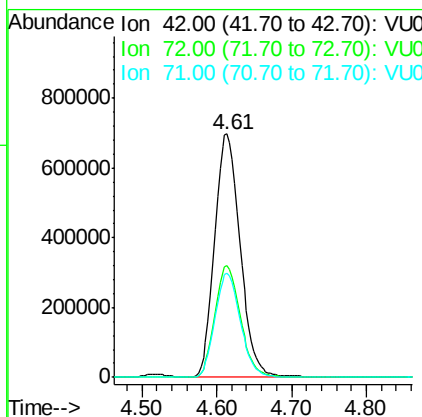
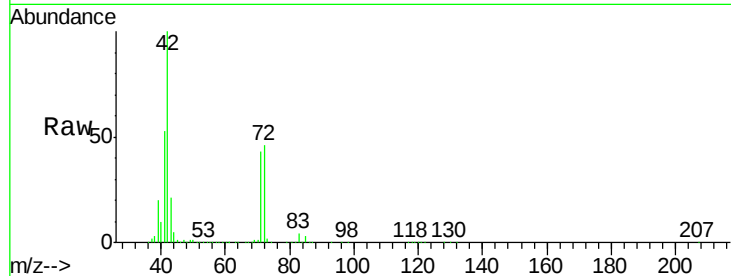
#29
Tetrahydrofuran
Concen: 885.163 ug/l
RT: 4.61 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 42 Resp: 1648713
Ion Ratio Lower Upper
42 100
72 46.3 36.6 54.8
71 43.0 34.3 51.5

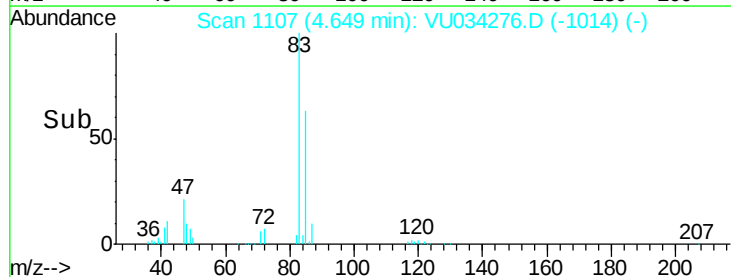
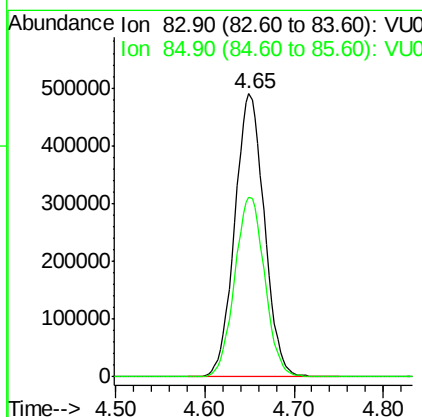
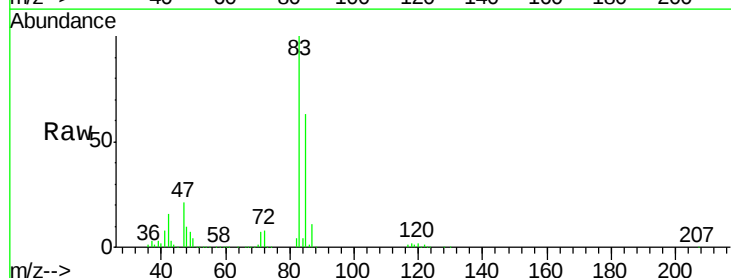
Manual Integrations
APPROVED

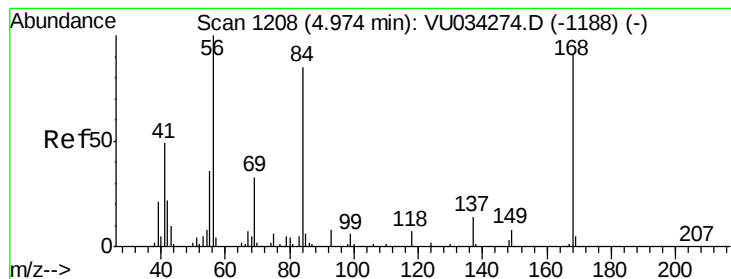
MMDadoda
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#30
Chloroform
Concen: 165.889 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 83 Resp: 1127381
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3





#31

Cyclohexane

Concen: 140.743 ug/l

RT: 4.97 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

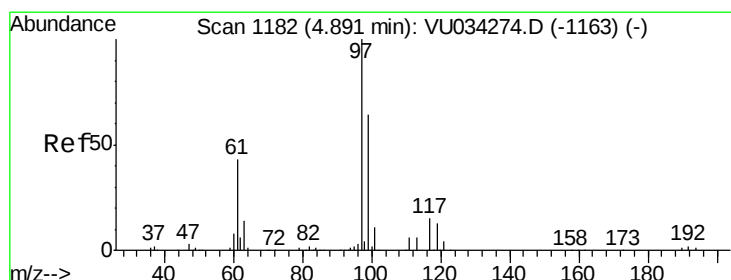
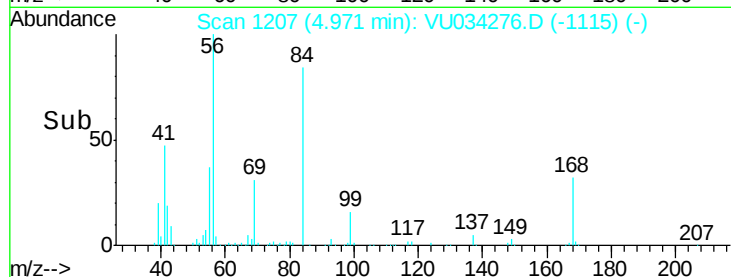
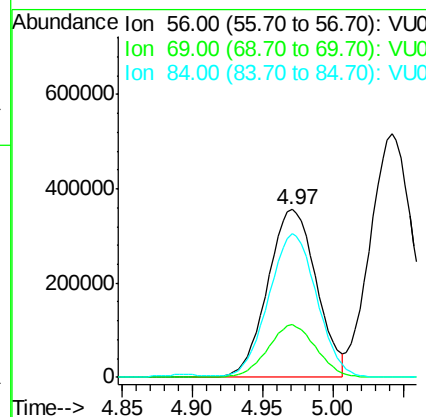
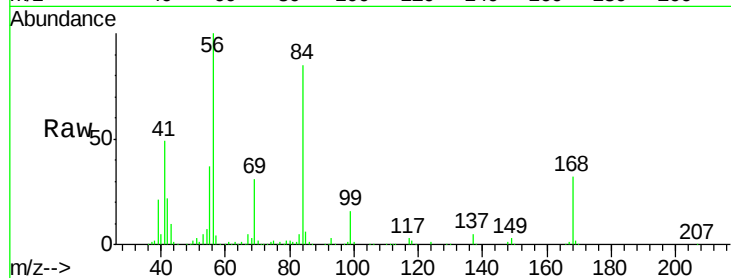
ClientSampleId :

VSTDIC150

Tot Ion:	56	Resp:	856859
Ion	Ratio	Lower	Upper
56	100		
69	31.1	26.7	40.1
84	83.8	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 170.455 ug/l

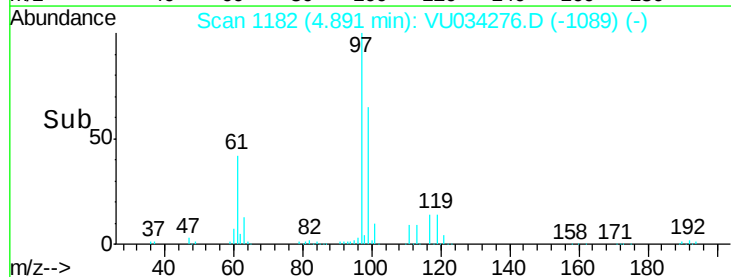
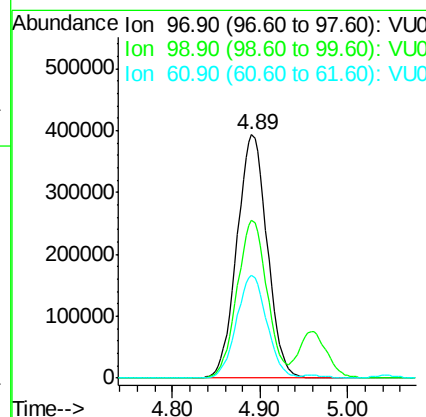
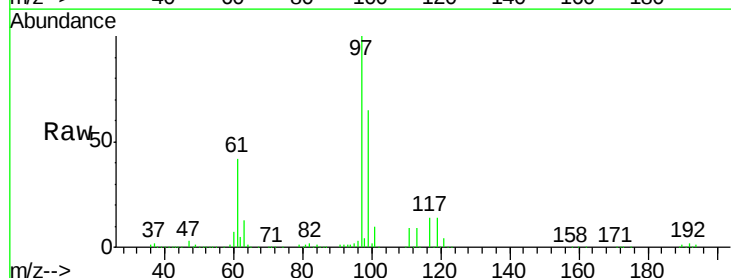
RT: 4.89 min Scan# 1182

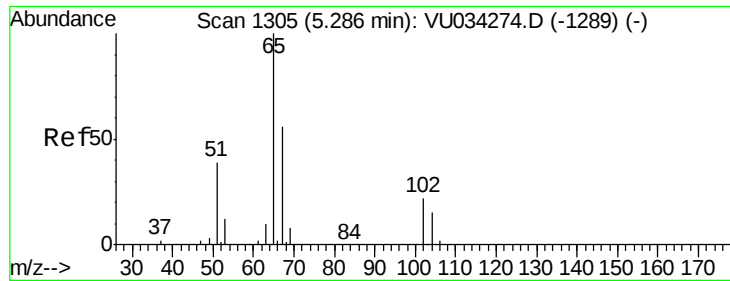
Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion:	97	Resp:	942158
Ion	Ratio	Lower	Upper
97	100		
99	64.8	50.9	76.3
61	42.5	34.7	52.1





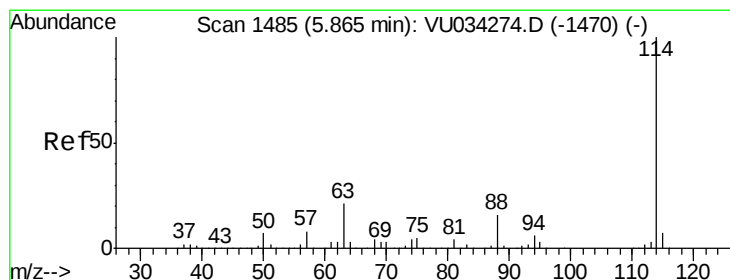
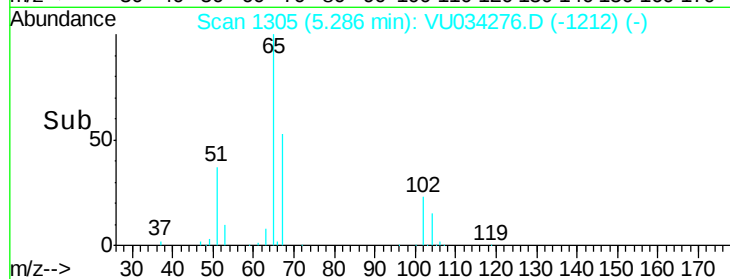
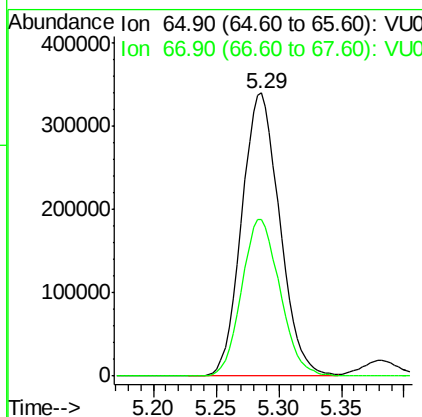
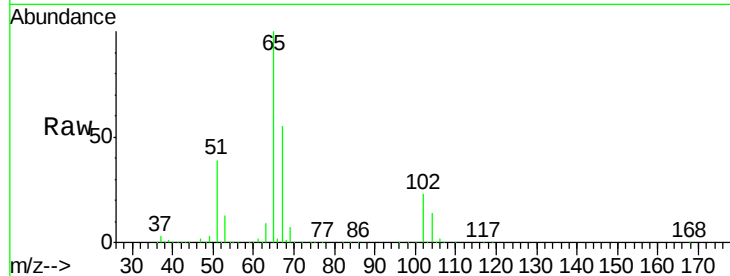
#33
 1,2-Dichloroethane-d4
 Concen: 165.637 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.9	0.0	112.4

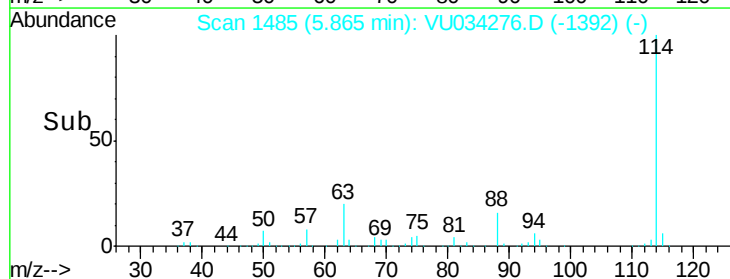
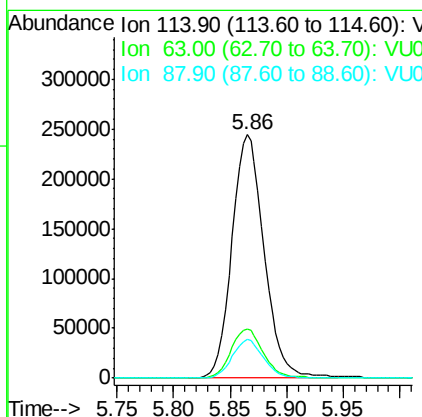
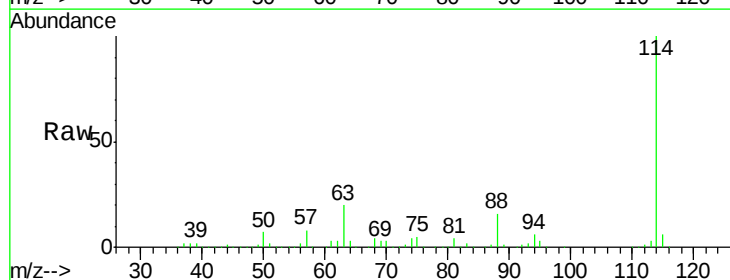
Manual Integrations
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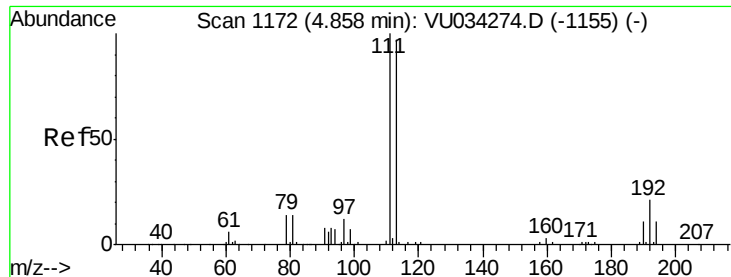
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	0.0	42.4
88	15.7	0.0	32.4





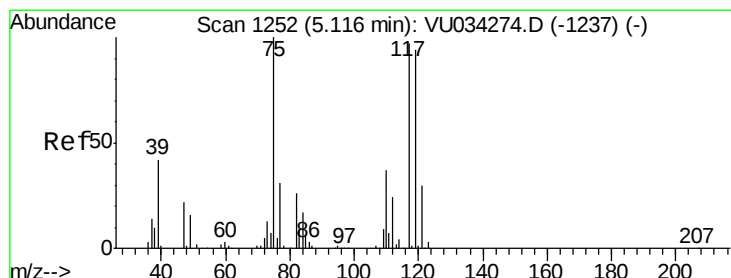
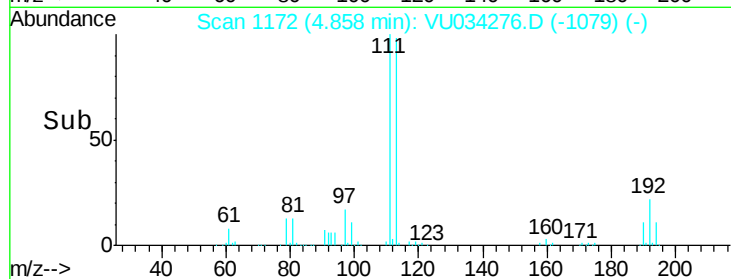
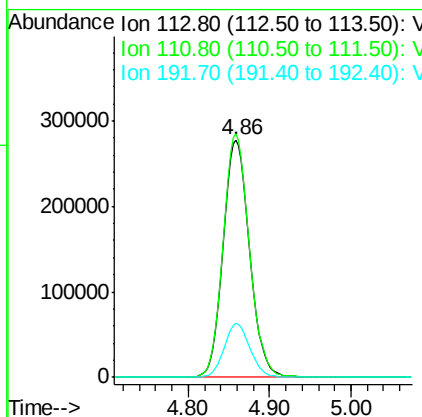
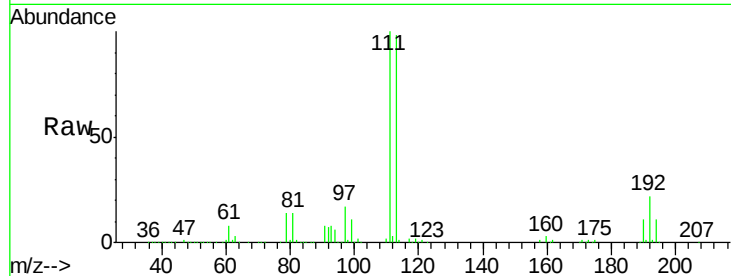
#35
 Dibromofluoromethane
 Concen: 179.031 ug/l
 RT: 4.86 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	636276		
111	101.7	81.5	122.3	
192	22.3	17.8	26.8	

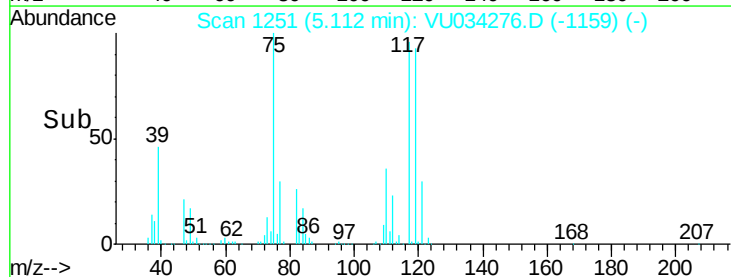
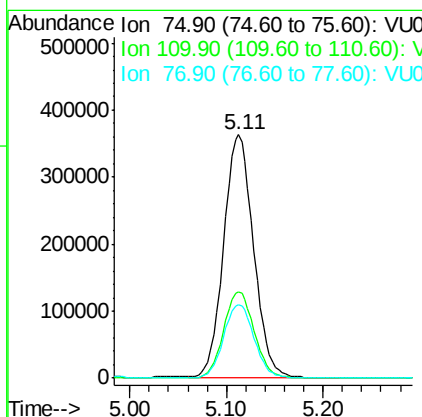
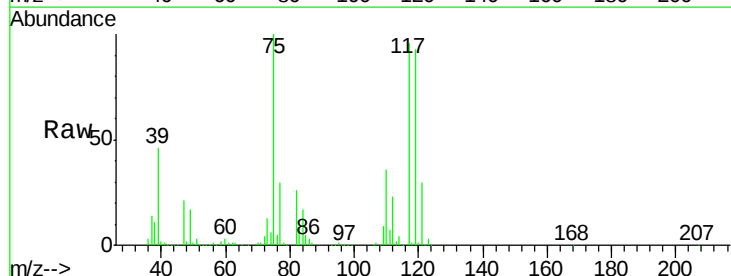
Manual Integrations
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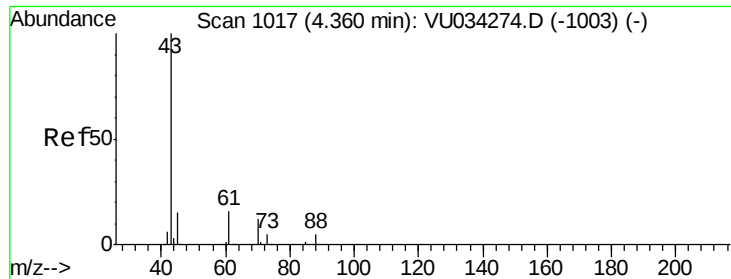
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#36
 1,1-Dichloropropene
 Concen: 168.986 ug/l
 RT: 5.11 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	775672		
110	36.5	18.3	54.9	
77	30.9	24.9	37.3	





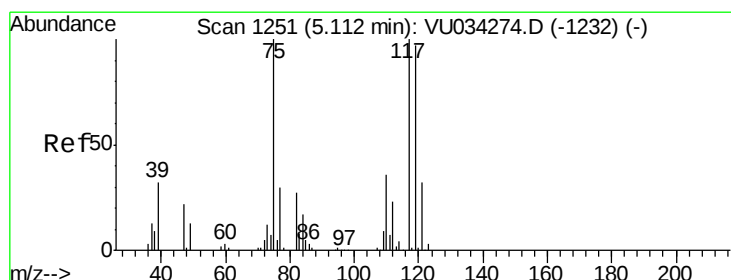
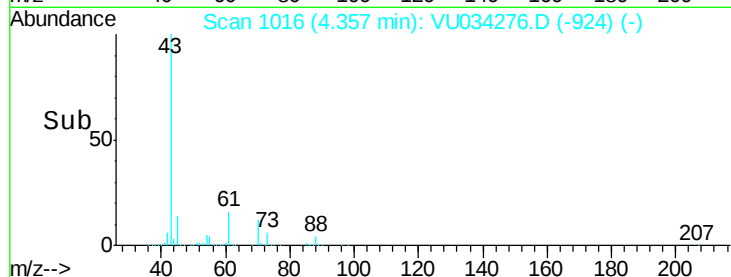
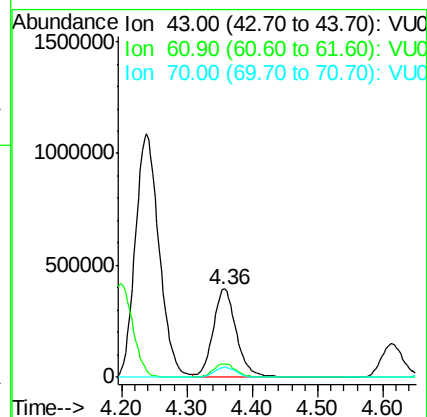
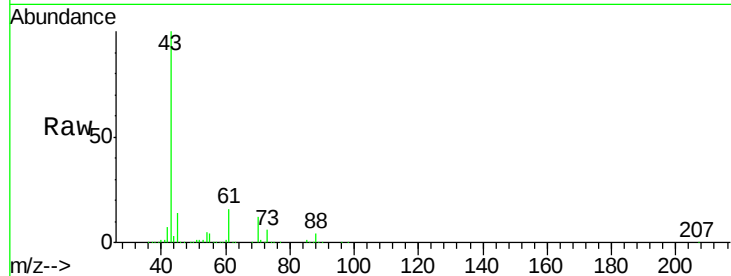
#37
Ethyl Acetate
Concen: 185.951 ug/l
RT: 4.36 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.3	18.5
70	11.1	9.1	13.7

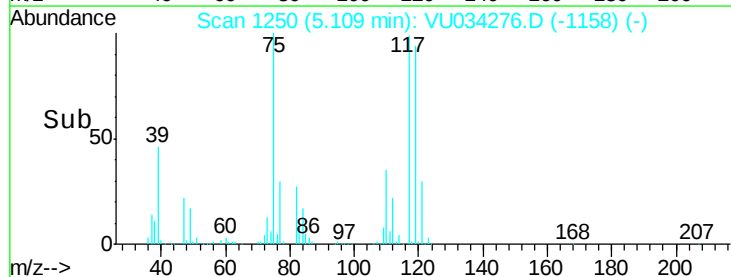
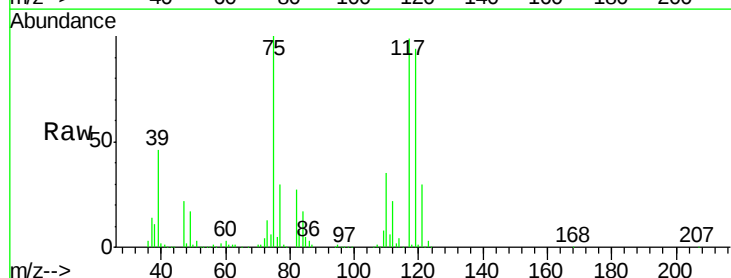
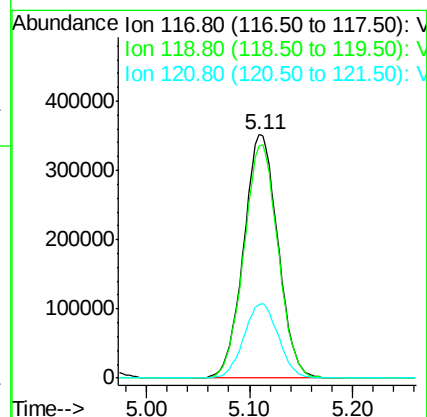
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 179.617 ug/l
RT: 5.11 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.6
121	30.3	25.2	37.8





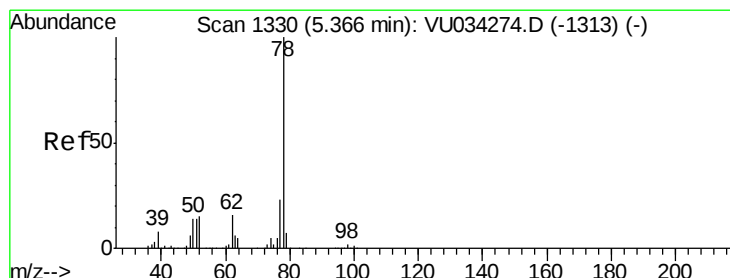
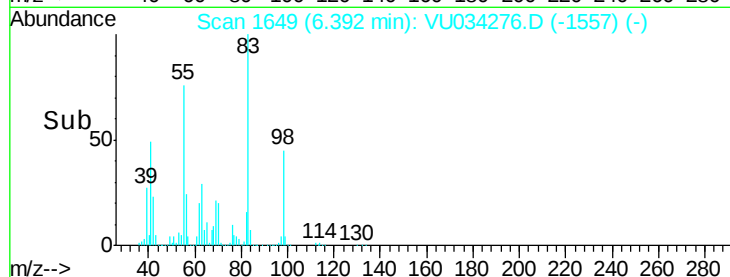
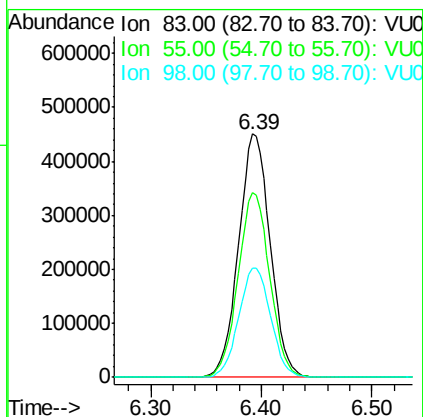
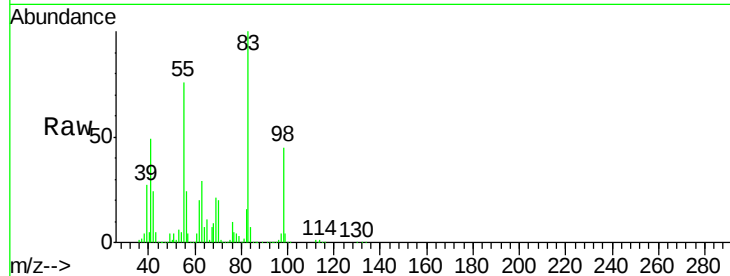
#39
Methvlcvclohexane
Concen: 168.049 ug/l
RT: 6.39 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDICC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.7	62.1	93.1	
98	44.9	37.0	55.6	

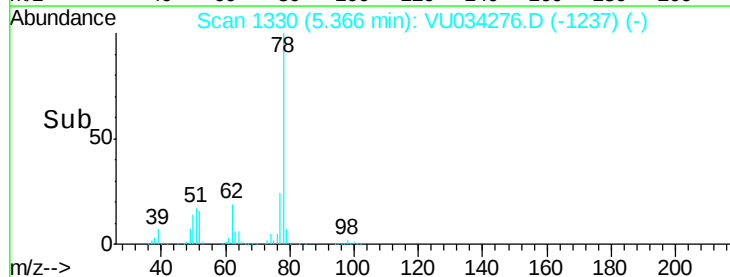
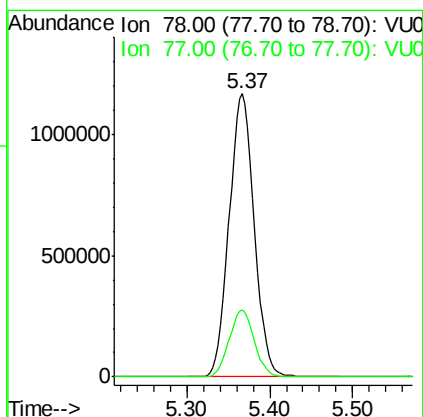
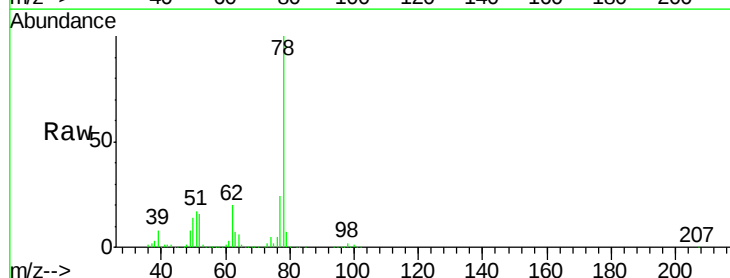
Manual Integrations
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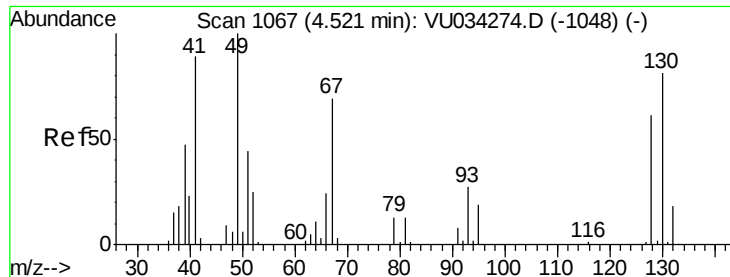
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#40
Benzene
Concen: 175.005 ug/l
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.7	28.1	





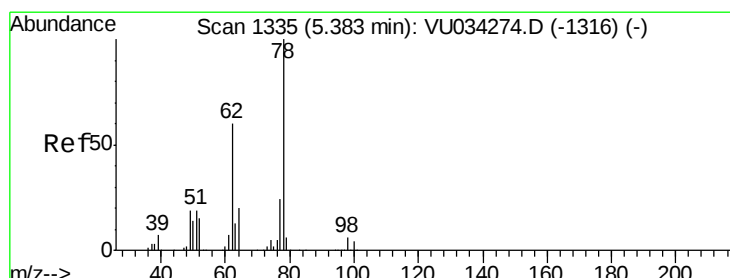
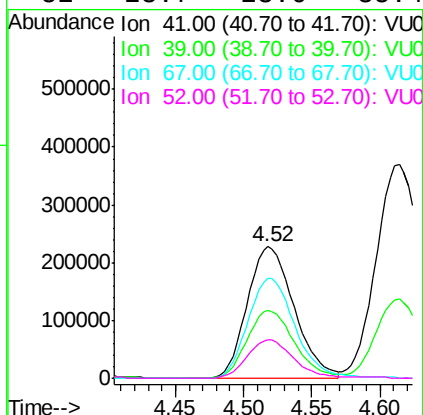
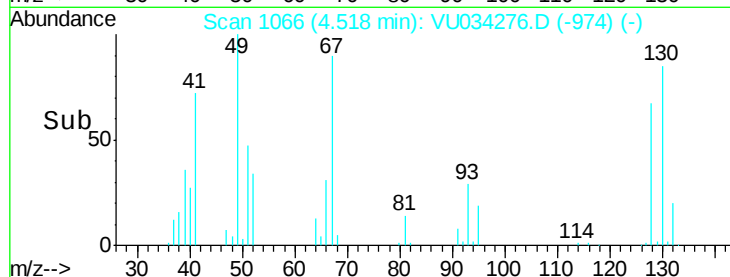
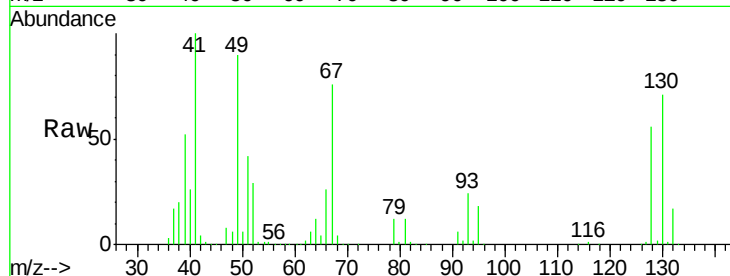
#41
Methacrylonitrile
Concen: 200.149 ug/l
RT: 4.52 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	51.9	41.0	61.4		
67	77.3	62.4	93.6		
52	28.7	23.6	35.4		

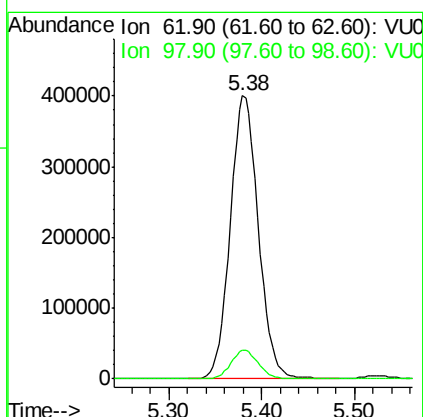
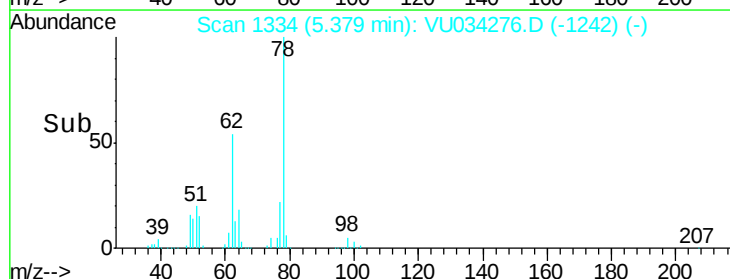
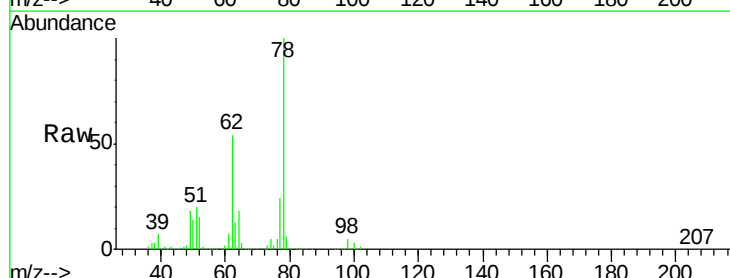
Manual Integrations
APPROVED

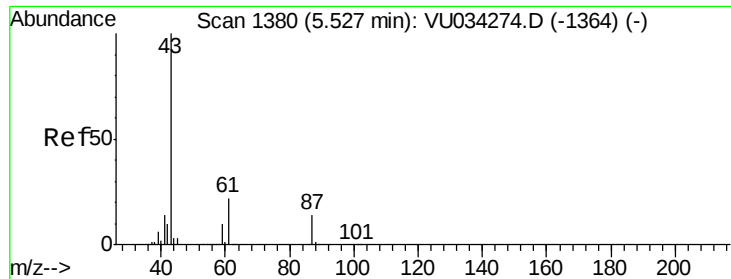
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#42
1,2-Dichloroethane
Concen: 172.886 ug/l
RT: 5.38 min Scan# 1334
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.0	0.0	20.0		





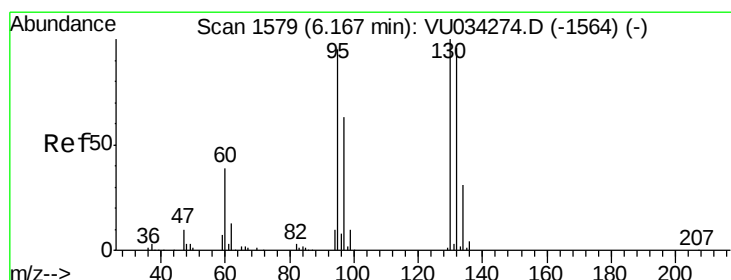
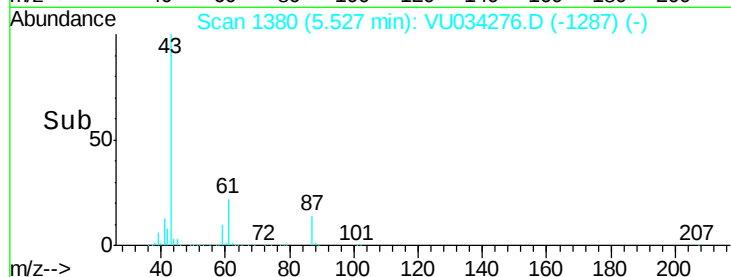
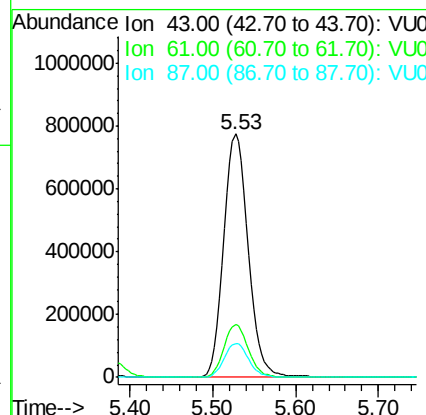
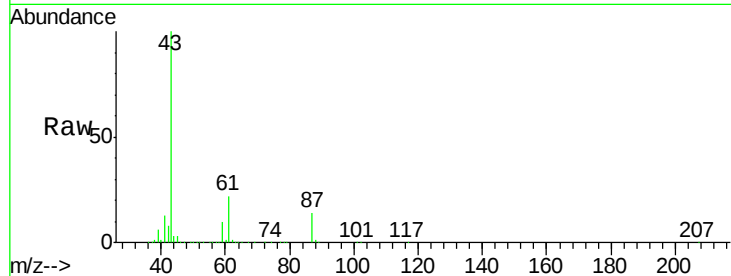
#43
Isopropyl Acetate
Concen: 198.314 ug/l
RT: 5.53 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.6	17.1	25.7
87	13.9	11.1	16.7

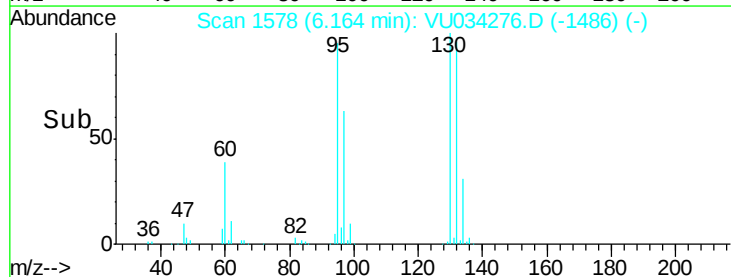
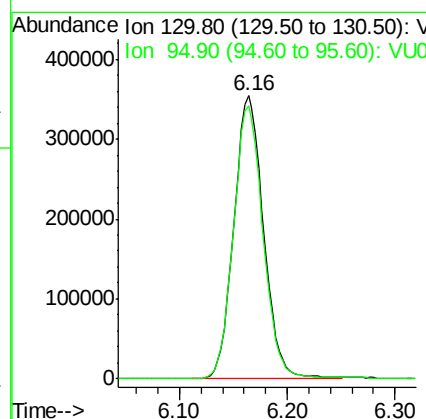
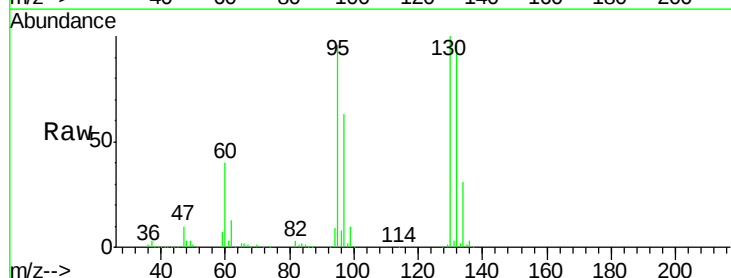
Manual Integrations
APPROVED

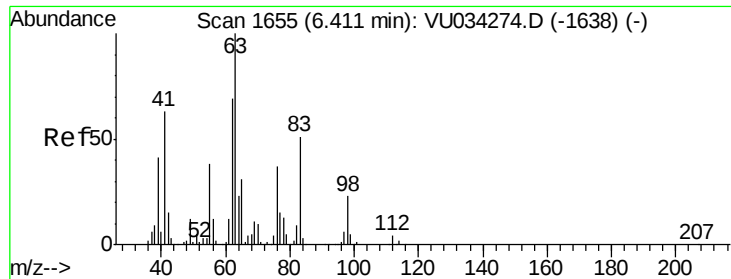
MMDadoda
9/6/2019 3:21:42 PM



#44
Trichloroethene
Concen: 182.056 ug/l
RT: 6.16 min Scan# 1578
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	189.2





#45

1,2-Dichloropropane

Concen: 187.296 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 732710

Ion Ratio Lower Upper

63 100

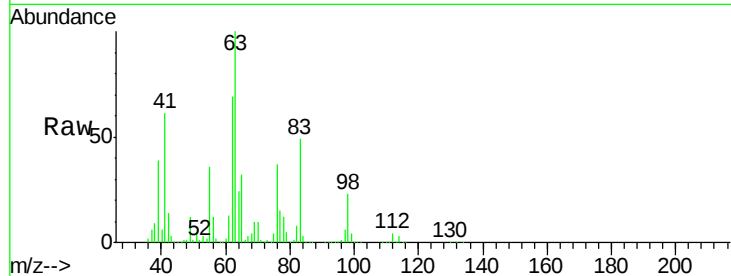
65 31.6 24.6 37.0

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VU034276.D (-1562) (-)

Ion 64.90 (64.60 to 65.60): VU034276.D (-1562) (-)

6.41

400000

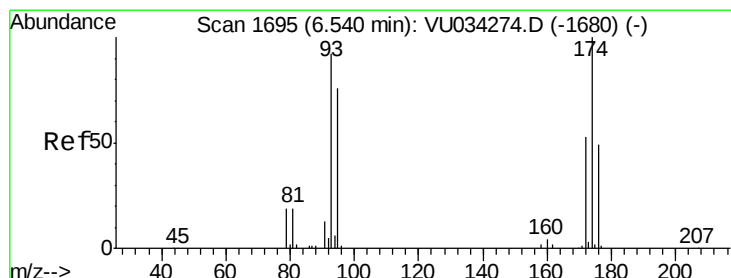
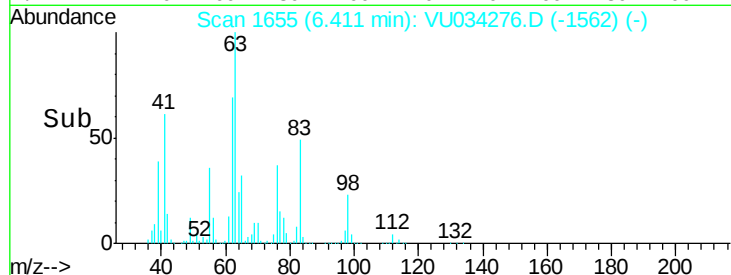
300000

200000

100000

0

Time-->



#46

Dibromomethane

Concen: 183.362 ug/l

RT: 6.54 min Scan# 1694

Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

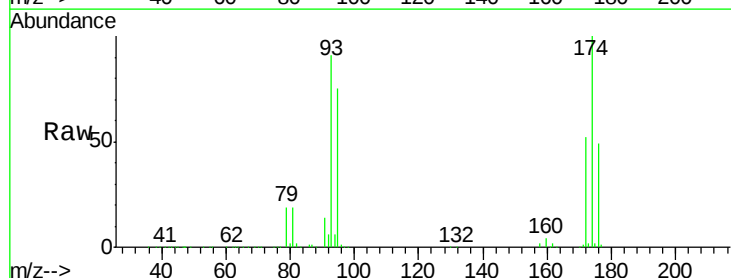
Tgt Ion: 93 Resp: 461500

Ion Ratio Lower Upper

93 100

95 83.0 66.5 99.7

174 109.5 87.8 131.6



Abundance Ion 92.80 (92.50 to 93.50): VU034276.D (-1602) (-)

Ion 94.80 (94.50 to 95.50): VU034276.D (-1602) (-)

Ion 173.70 (173.40 to 174.40): VU034276.D (-1602) (-)

6.54

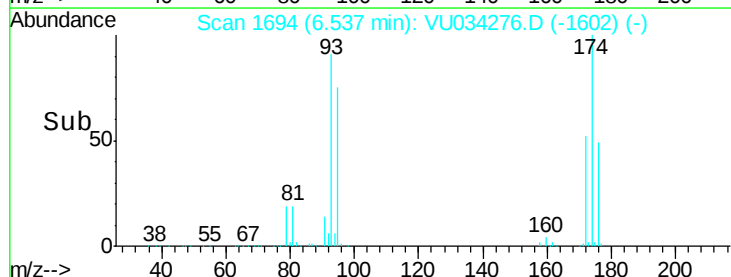
300000

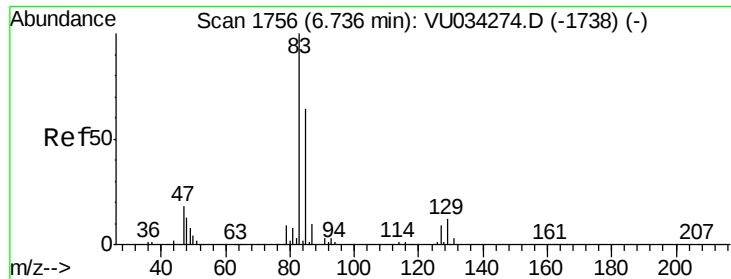
200000

100000

0

Time-->





#47

Bromodichloromethane

Concen: 192.138 ug/l

RT: 6.74 min Scan# 1756

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

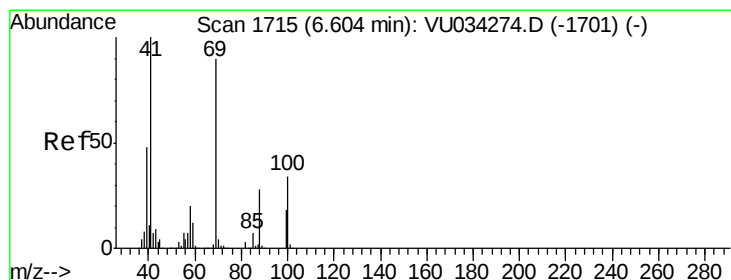
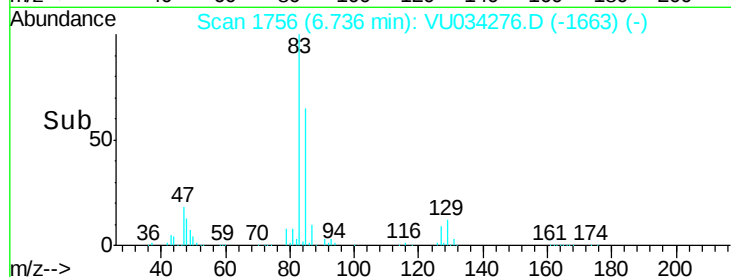
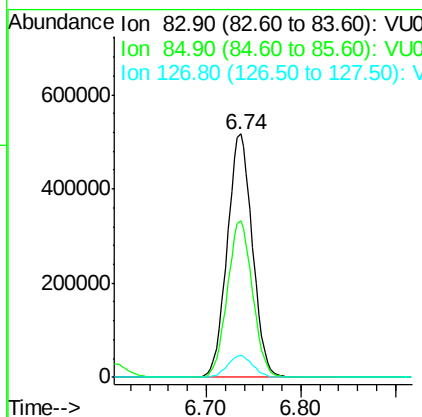
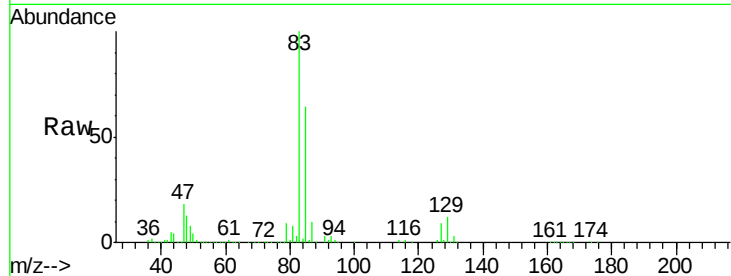
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	953558
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.1	76.7
127	9.1	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 199.994 ug/l

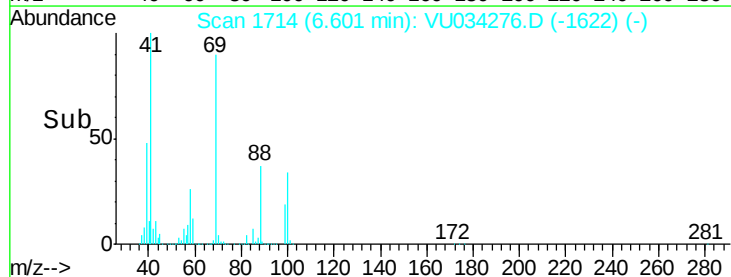
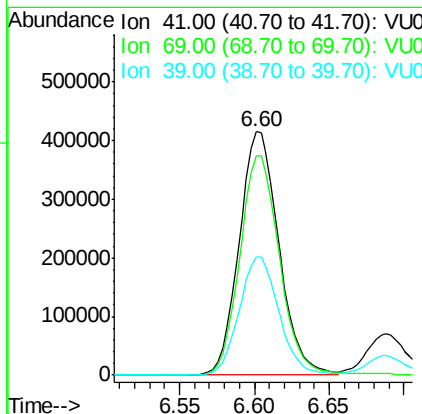
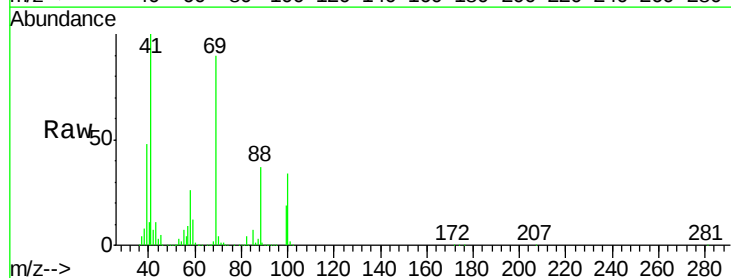
RT: 6.60 min Scan# 1714

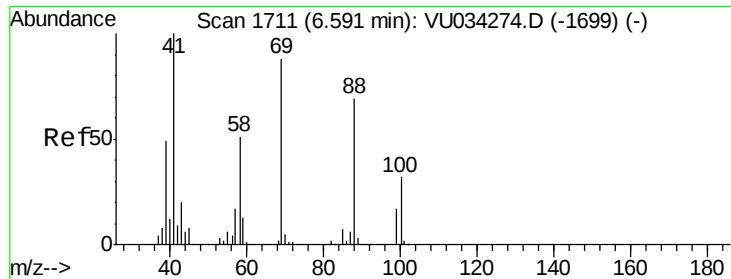
Delta R.T. -0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion:	41	Resp:	763711
Ion Ratio	Lower	Upper	
41	100		
69	91.1	72.8	109.2
39	48.5	38.6	58.0





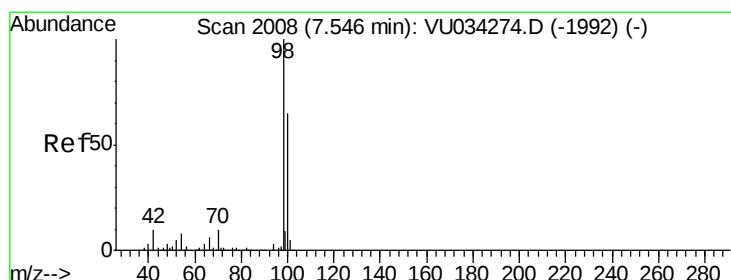
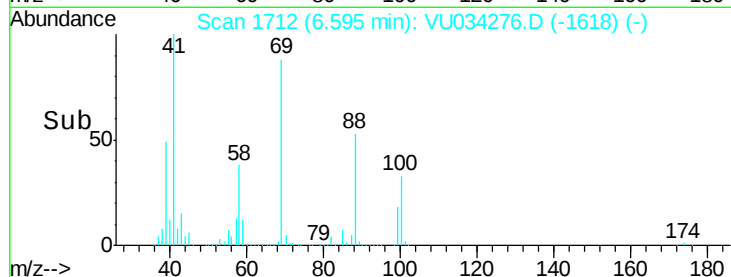
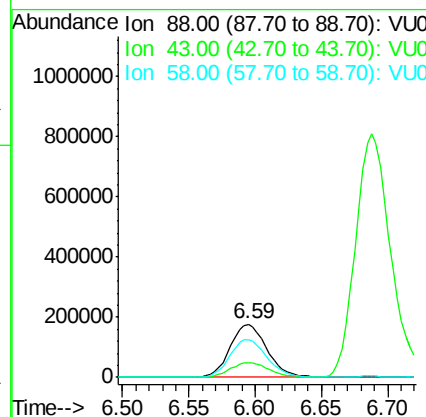
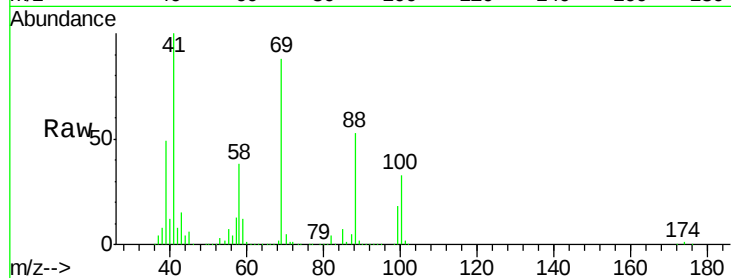
#49
1,4-Dioxane
Concen: 3598.247 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	28.9	23.8	35.6	
58	72.2	58.4	87.6	

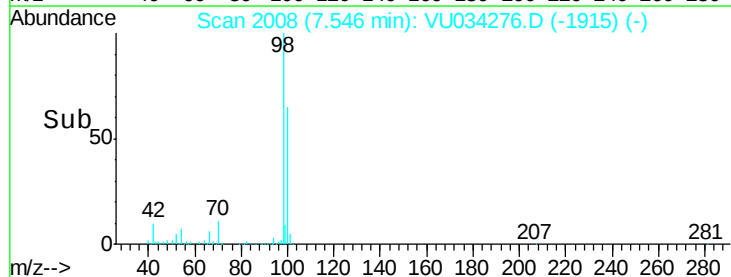
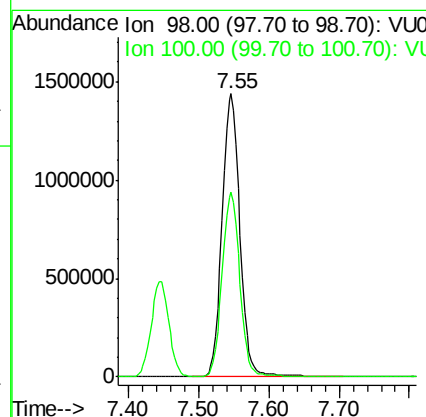
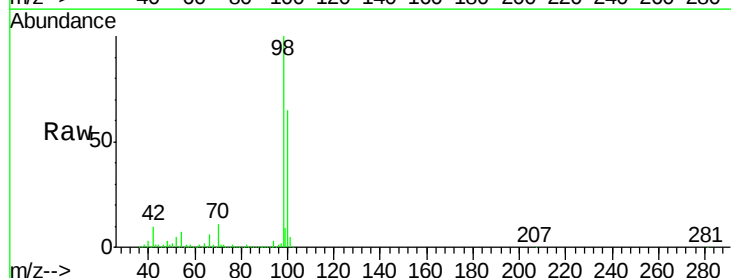
Manual Integrations
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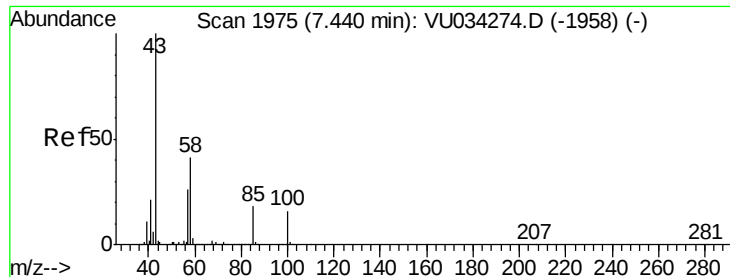
MMDadoda
9/6/2019 3:21:42 PM



#50
Toluene-d8
Concen: 188.863 ug/l
RT: 7.55 min Scan# 2008
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5





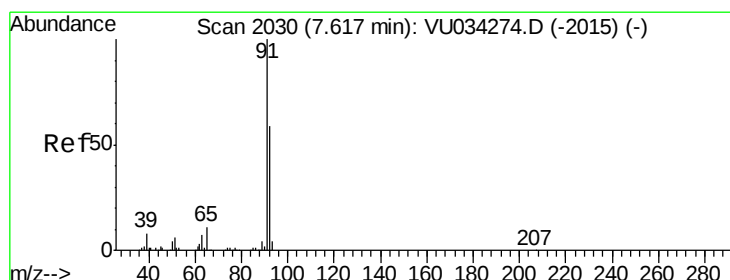
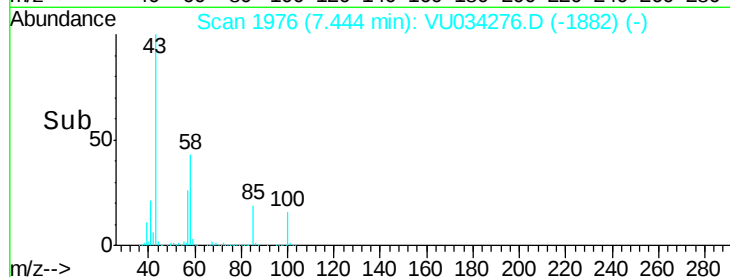
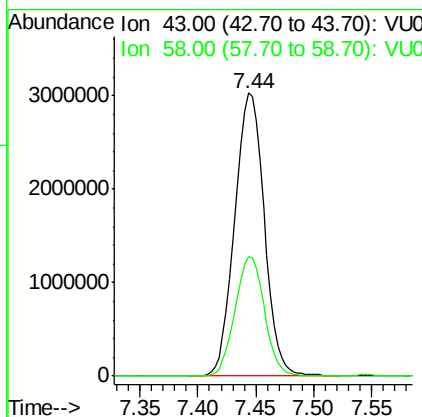
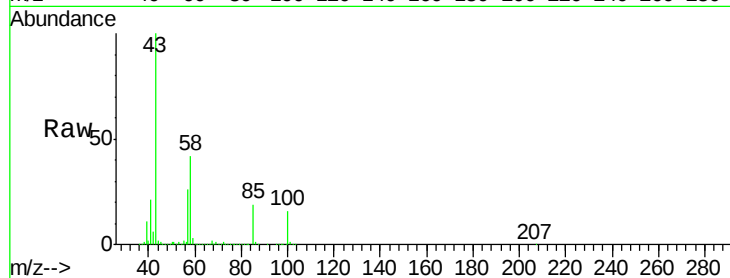
#51
4-Methyl-2-Pentanone
Concen: 969.217 ug/l
RT: 7.44 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 5353331
Ion Ratio Lower Upper
43 100
58 42.0 33.0 49.4

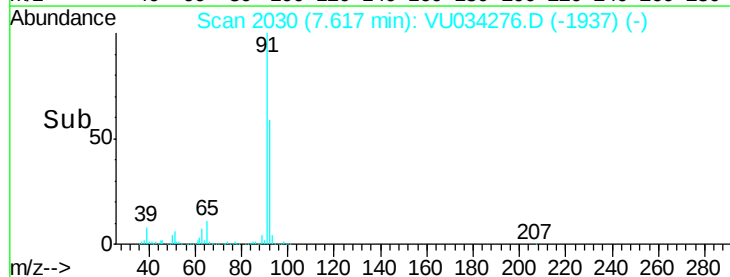
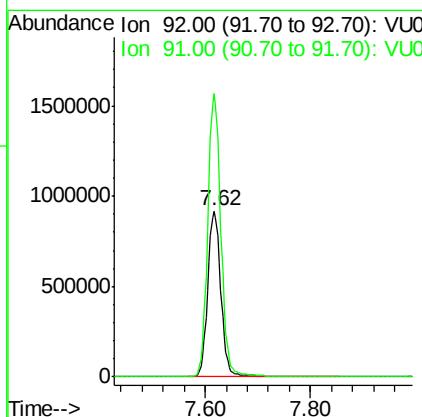
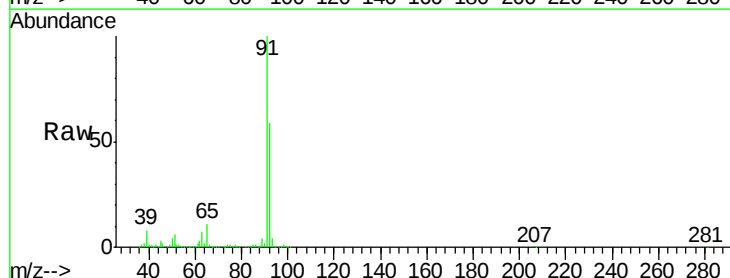
Manual Integrations
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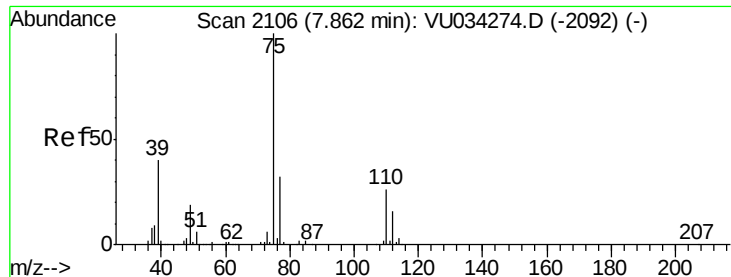
MMDadoda
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#52
Toluene
Concen: 184.596 ug/l
RT: 7.62 min Scan# 2030
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 92 Resp: 1609064
Ion Ratio Lower Upper
92 100
91 170.7 136.6 205.0





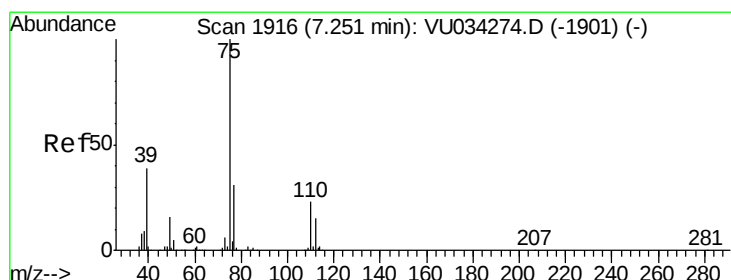
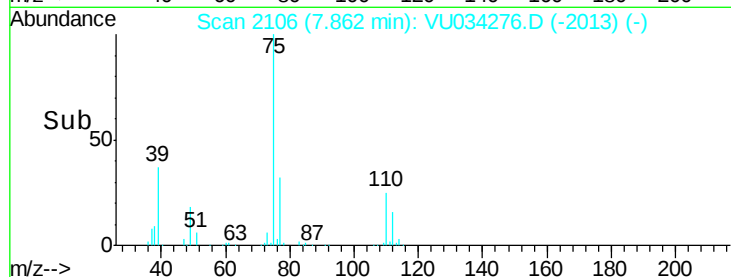
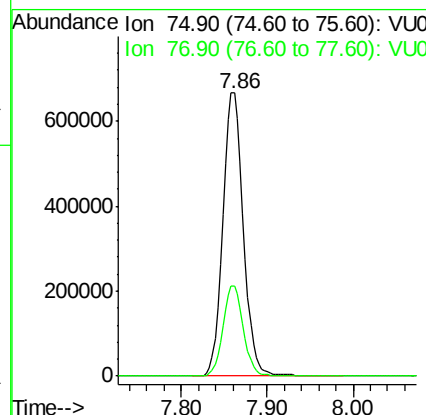
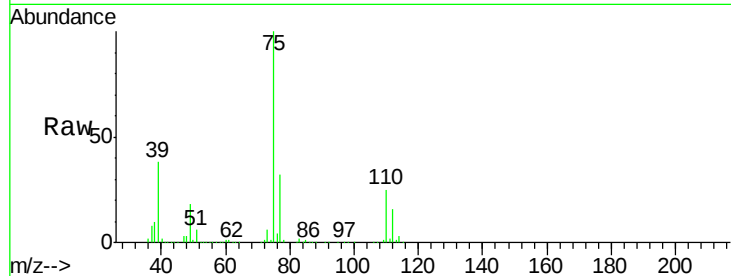
#53
 t-1,3-Dichloropropene
 Concen: 202.924 ug/l
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion: 75 Resp: 1104300
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.7 38.5

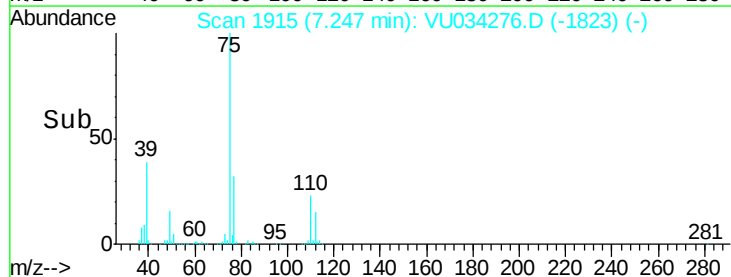
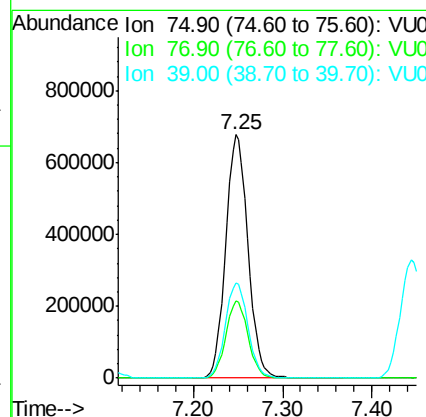
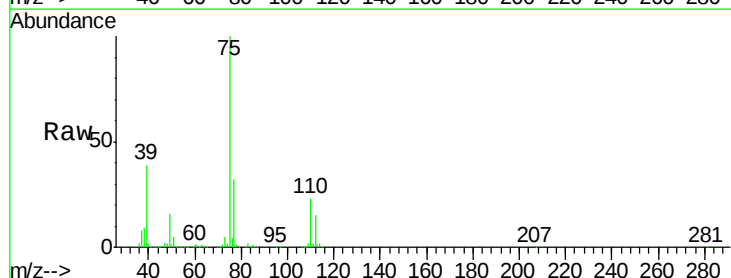
Manual Integrations
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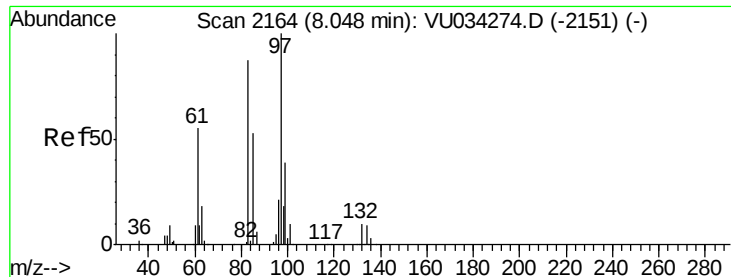
MMDadoda
 9/6/2019 3:21:42 PM



#54
 cis-1,3-Dichloropropene
 Concen: 195.689 ug/l
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion: 75 Resp: 1167598
 Ion Ratio Lower Upper
 75 100
 77 31.9 25.1 37.7
 39 39.2 31.2 46.8





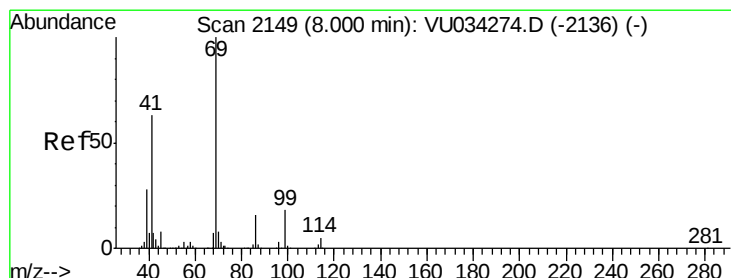
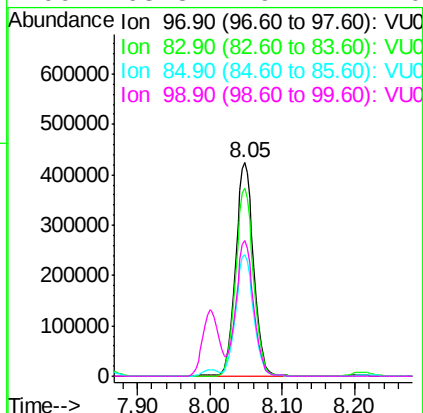
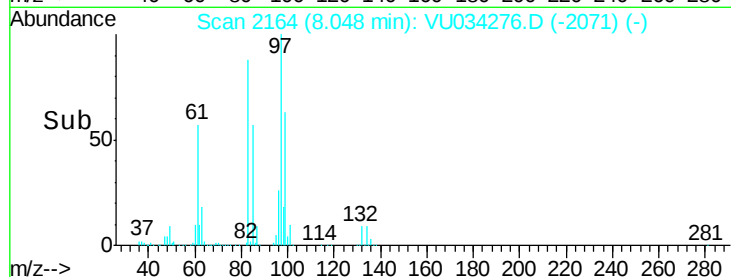
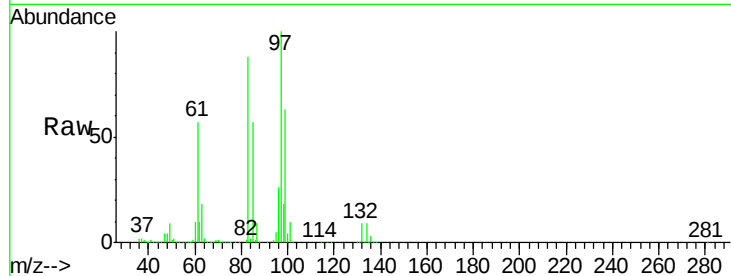
#55
 1,1,2-Trichloroethane
 Concen: 196.400 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:	97	Resp:	734167
Ion	Ratio	Lower	Upper
97	100		
83	88.1	69.0	103.6
85	57.1	44.2	66.2
99	63.3	49.4	74.0

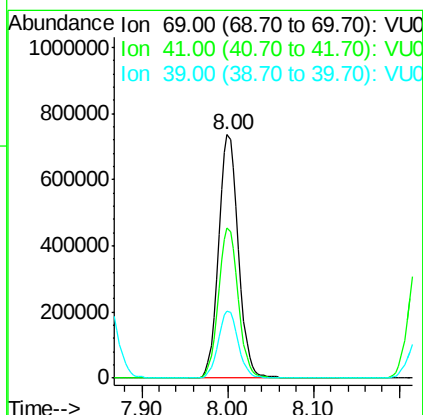
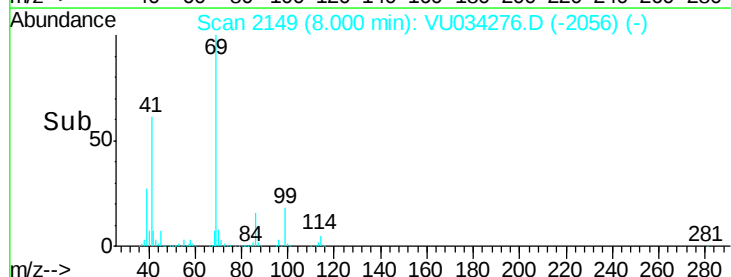
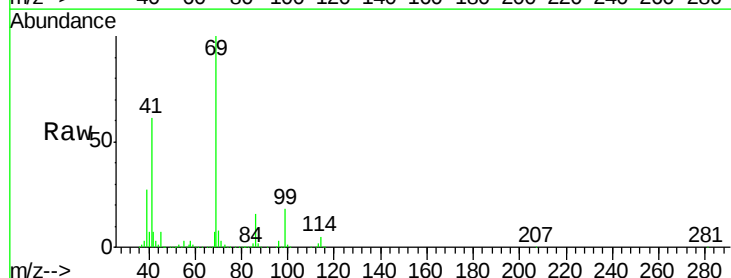
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 213.559 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion:	69	Resp:	1177971
Ion	Ratio	Lower	Upper
69	100		
41	61.7	49.5	74.3
39	27.7	22.5	33.7





#57

1,3-Dichloropropane

Concen: 190.257 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDICC150

Tot Ion: 76 Resp: 1198537

Ion Ratio Lower Upper

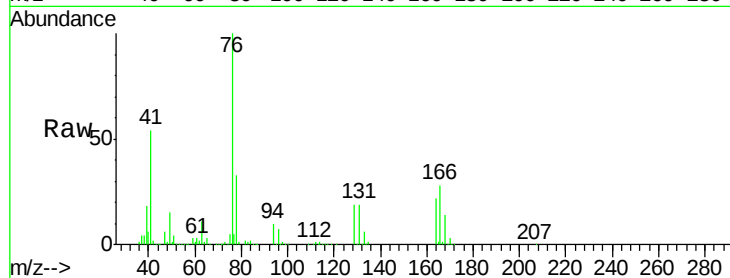
76 100

78 32.4 25.4 38.2

Manual Integrations
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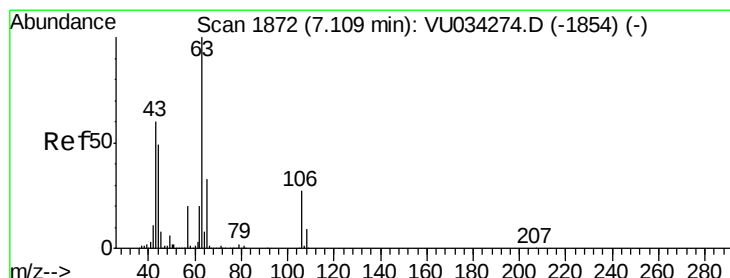
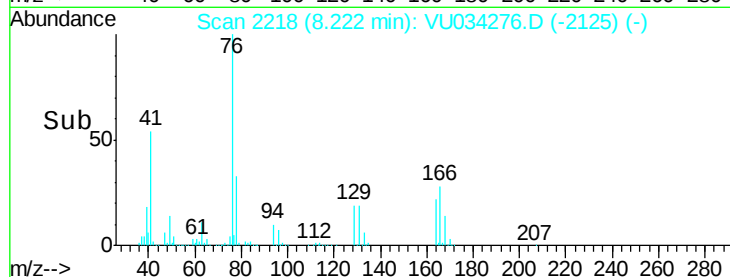
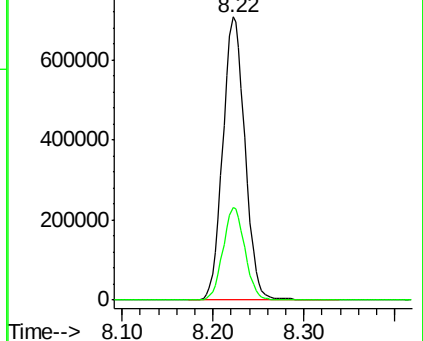
MMDadoda

9/6/2019 3:21:42 PM



Abundance Ion 75.90 (75.60 to 76.60): VU034276.D (-2125) (-)

Ion 77.90 (77.60 to 78.60): VU034276.D (-2125) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 1025.211 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034276.D

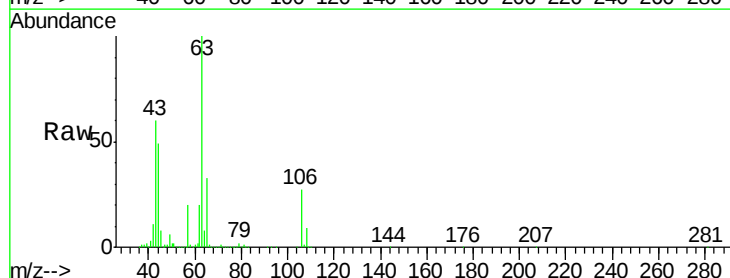
Acq: 05 Sep 2019 11:09

Tgt Ion: 63 Resp: 2041889

Ion Ratio Lower Upper

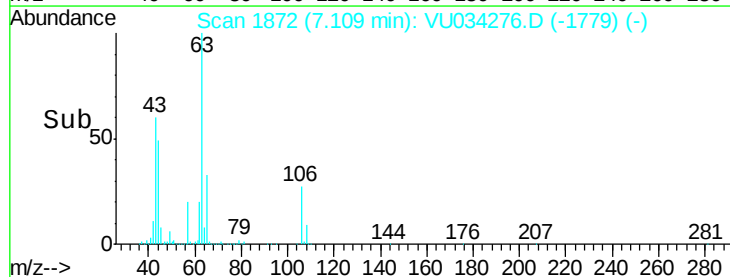
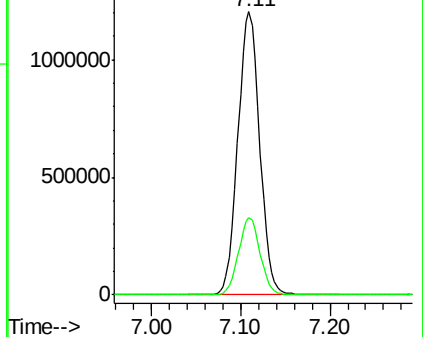
63 100

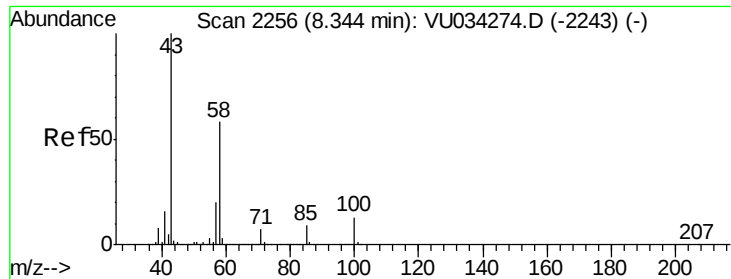
106 26.9 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU034276.D (-1779) (-)

Ion 105.90 (105.60 to 106.60): VU034276.D (-1779) (-)





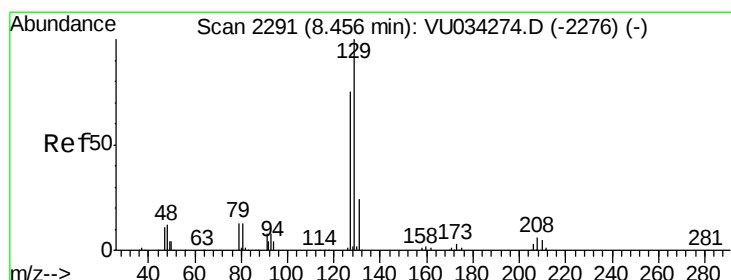
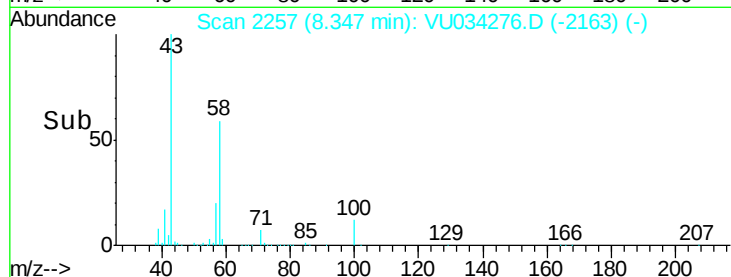
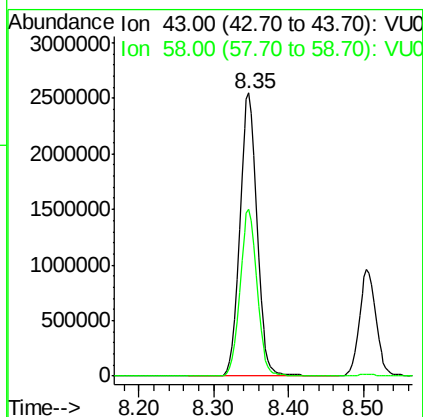
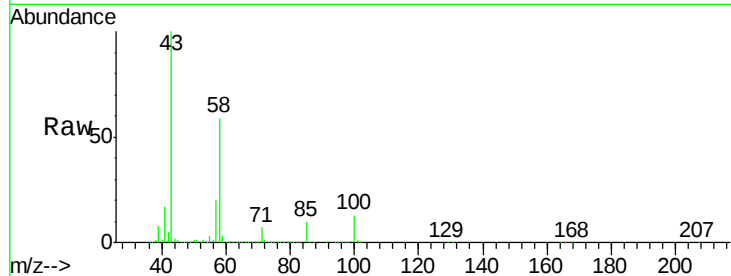
#59
2-Hexanone
Concen: 977.749 ug/l
RT: 8.35 min Scan# 2257
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 43 Resp: 4072322
Ion Ratio Lower Upper
43 100
58 58.6 28.8 86.5

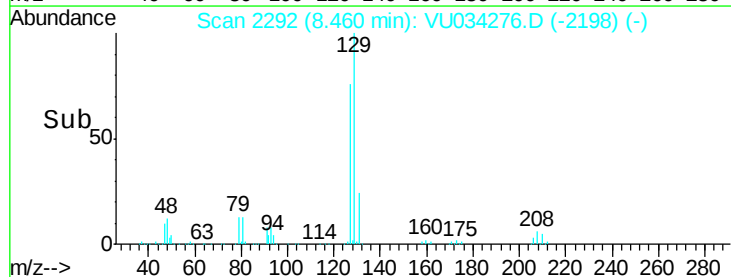
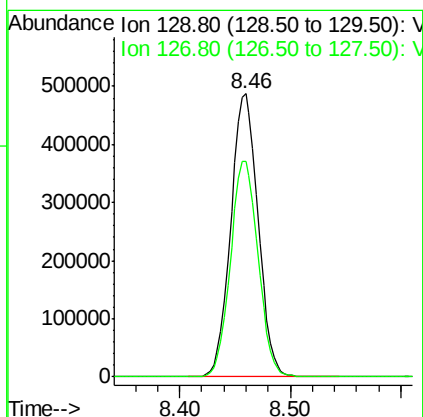
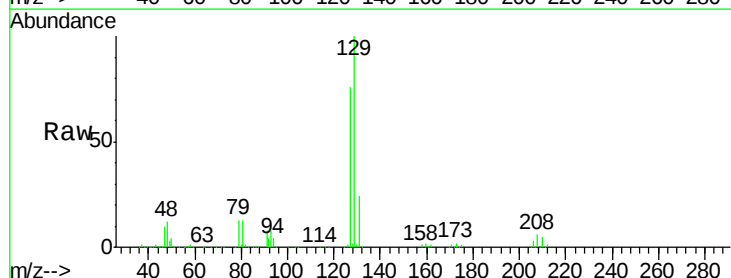
Manual Integrations
APPROVED

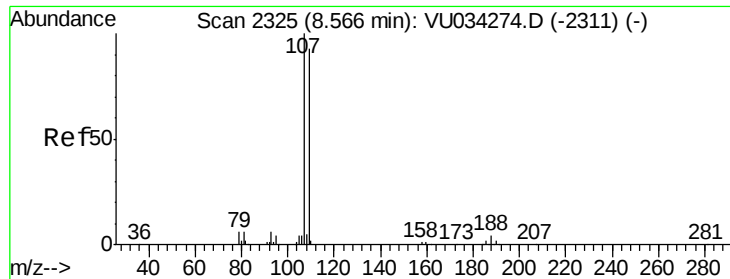
MMDadoda
9/6/2019 3:21:42 PM



#60
Dibromochloromethane
Concen: 208.087 ug/l
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 129 Resp: 838173
Ion Ratio Lower Upper
129 100
127 77.1 37.9 113.7





#61

1,2-Dibromoethane

Concen: 189.178 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 737077

Ion Ratio Lower Upper

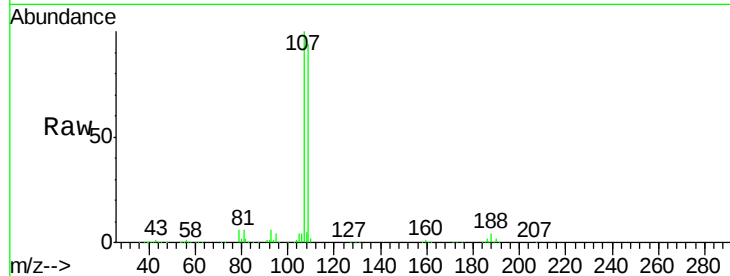
107 100

109 94.0 75.0 112.6

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

8.57

400000

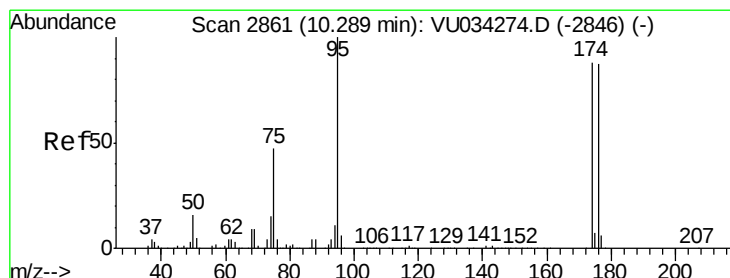
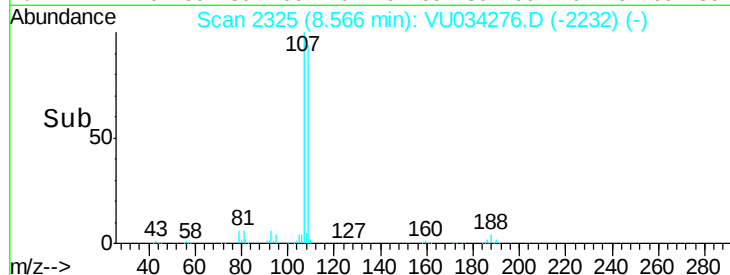
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 190.634 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

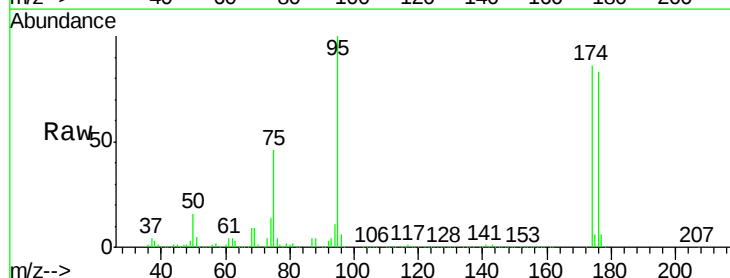
Tgt Ion: 95 Resp: 987756

Ion Ratio Lower Upper

95 100

174 86.8 0.0 175.2

176 84.1 0.0 168.0



Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

10.29

800000

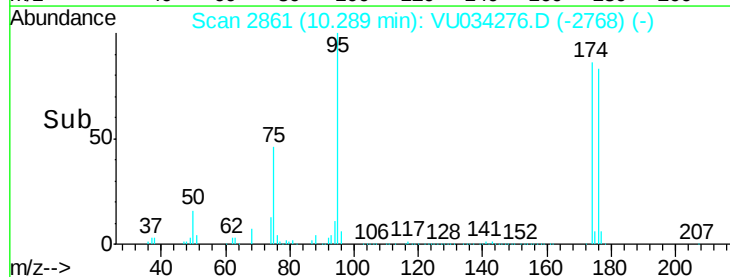
600000

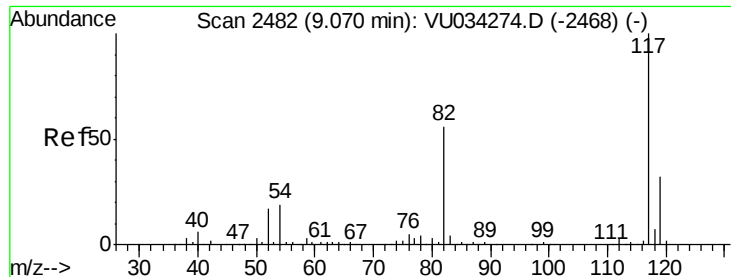
400000

200000

0

Time-->





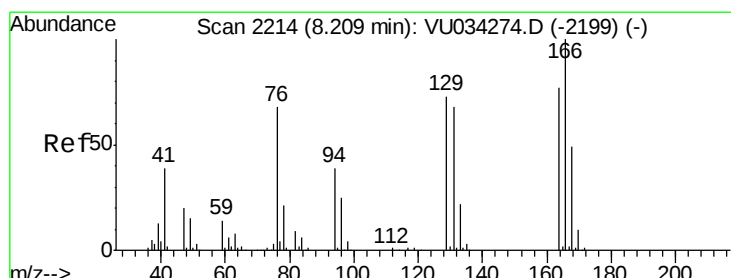
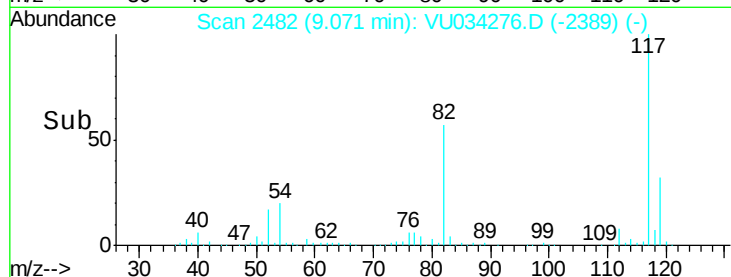
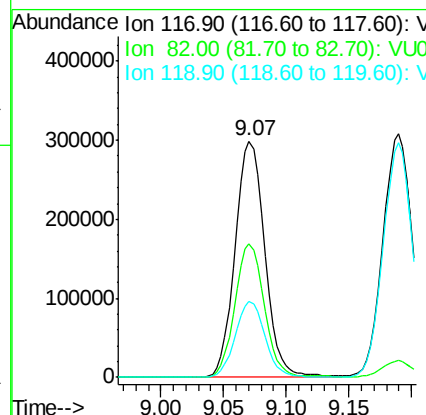
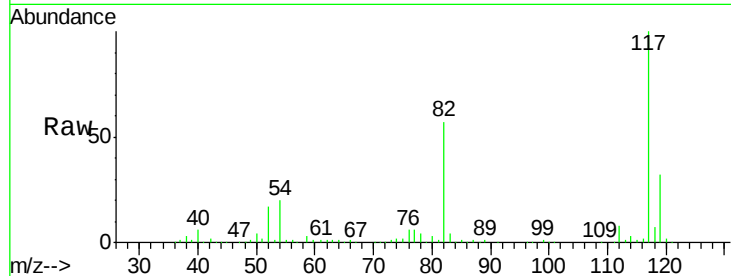
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.7	44.6	67.0
119	32.0	25.9	38.9

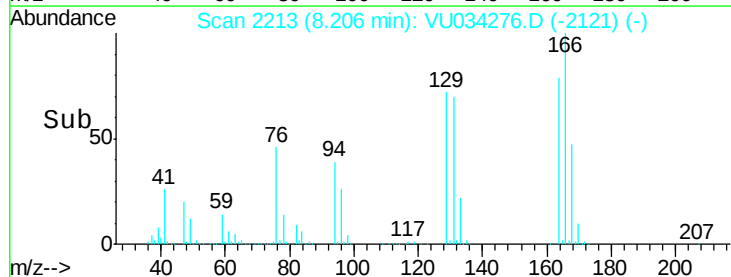
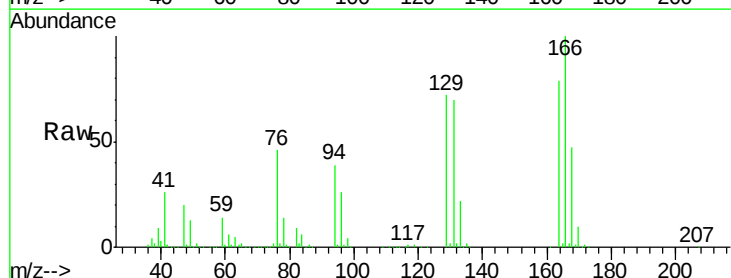
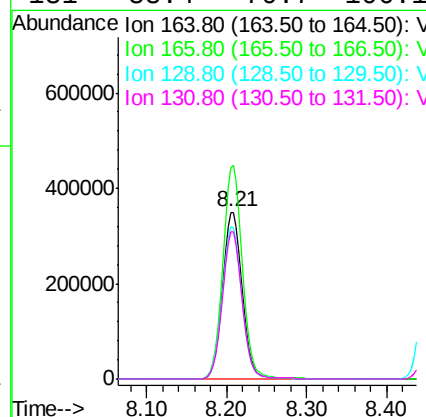
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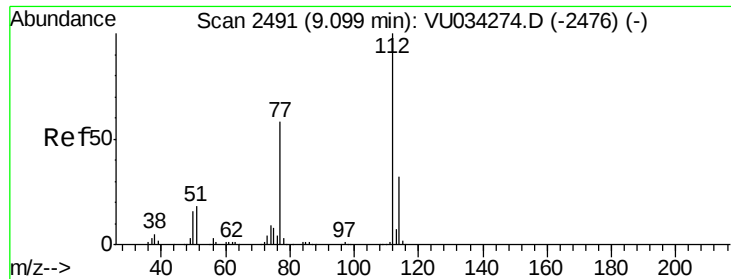
MMDadoda
9/6/2019 3:21:42 PM



#64
Tetrachloroethene
Concen: 177.207 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	103.7	155.5
129	91.5	75.8	113.8
131	88.4	70.7	106.1





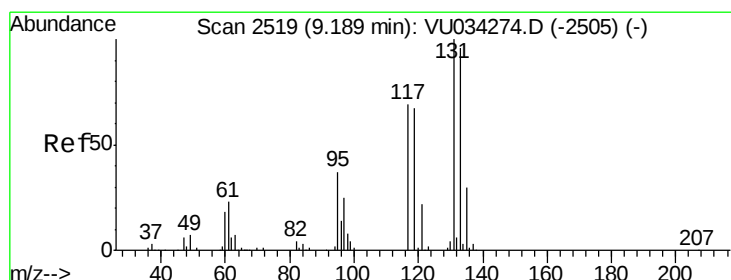
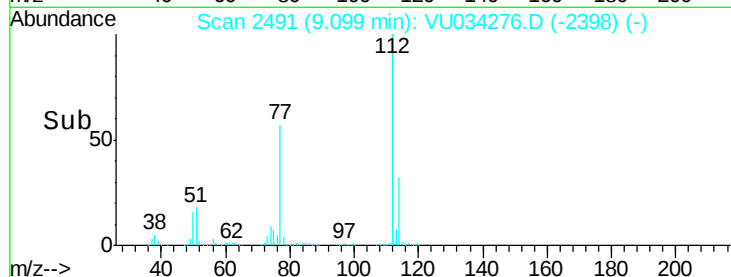
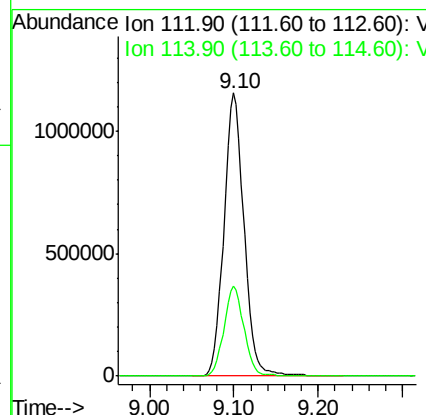
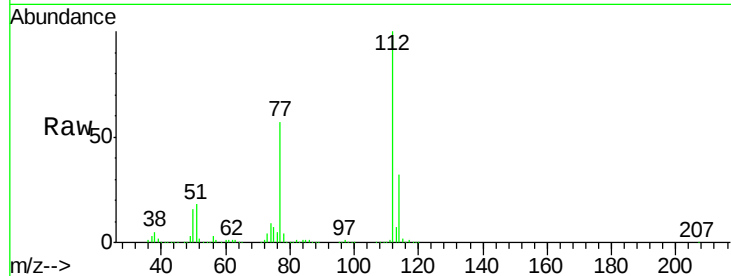
#65
Chlorobenzene
Concen: 184.455 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1911076
Ion Ratio Lower Upper
112 100
114 31.8 25.9 38.9

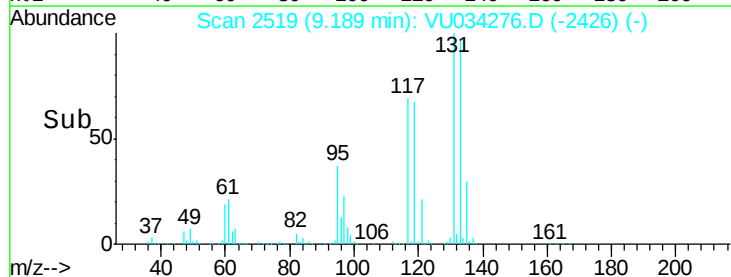
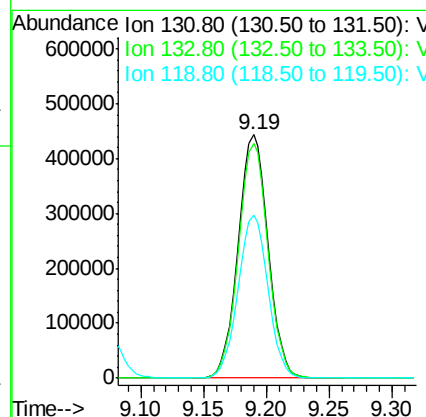
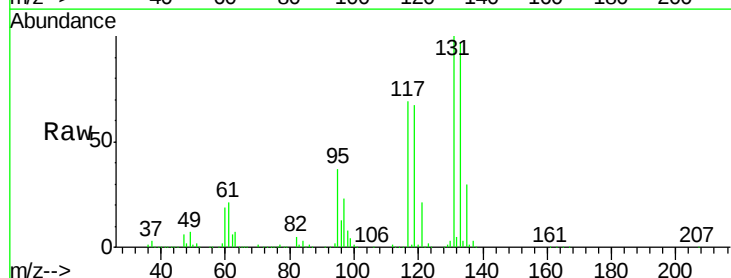
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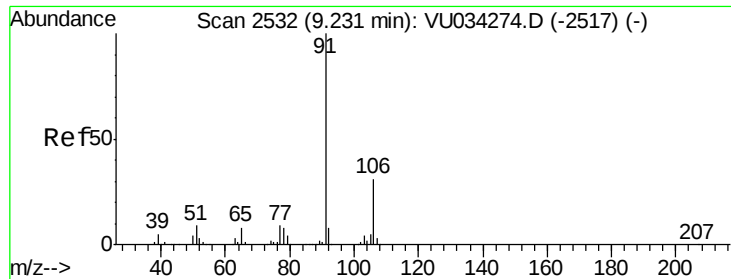
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#66
1,1,1,2-Tetrachloroethane
Concen: 194.126 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion:131 Resp: 734859
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.7
119 66.8 33.1 99.5





#67

Ethyl Benzene

Concen: 187.231 ug/l

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 3264264

Ion Ratio Lower Upper

91 100

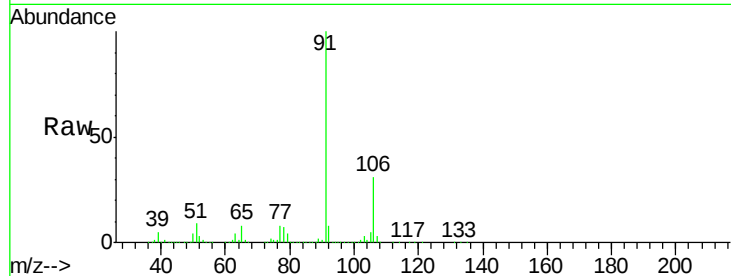
106 31.3 24.8 37.2

Manual Integrations

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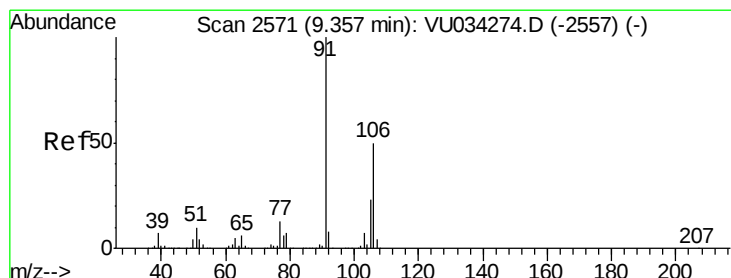
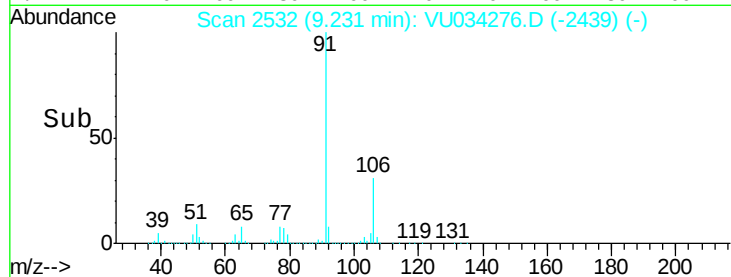
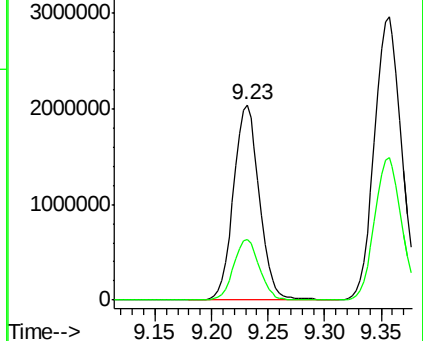
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU034276.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034276.D (-2439) (-)



#68

m/p-Xylenes

Concen: 373.108 ug/l

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034276.D

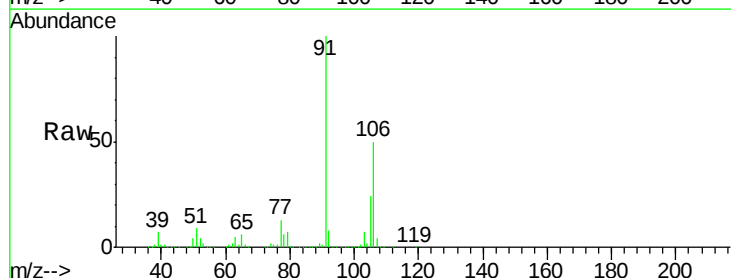
Acq: 05 Sep 2019 11:09

Tgt Ion: 106 Resp: 2482536

Ion Ratio Lower Upper

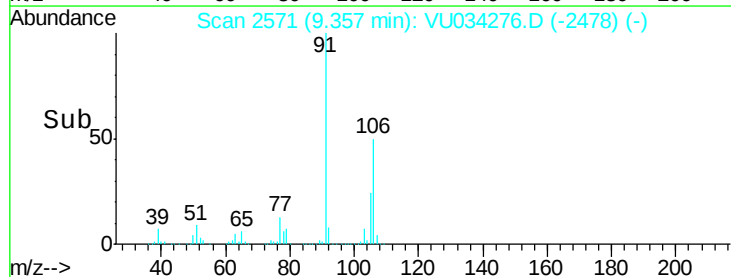
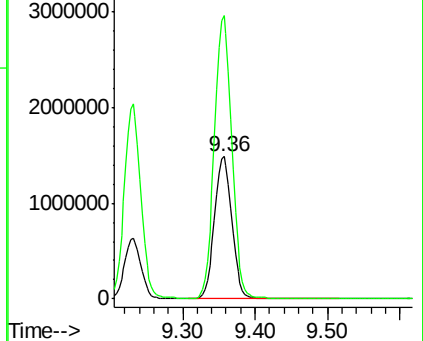
106 100

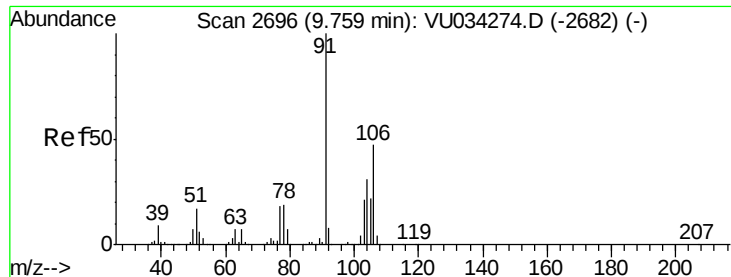
91 199.4 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034276.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034276.D (-2478) (-)





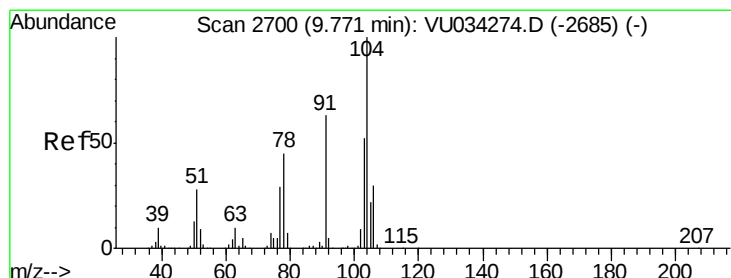
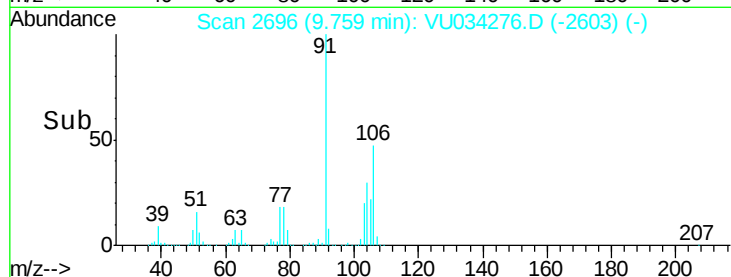
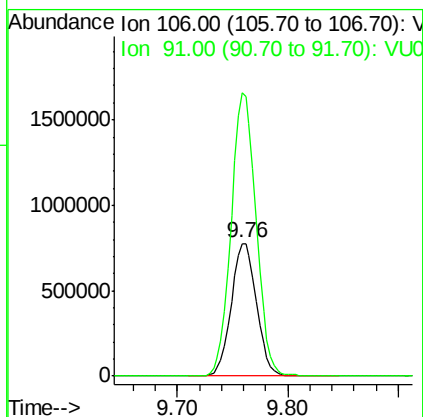
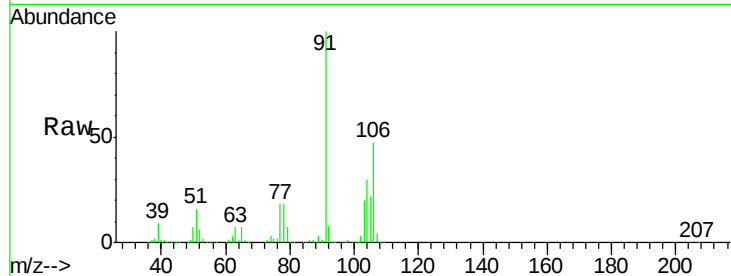
#69
o-Xylene
Concen: 193.248 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	105.1	315.3

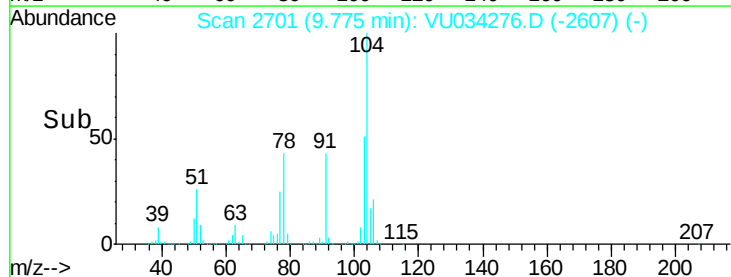
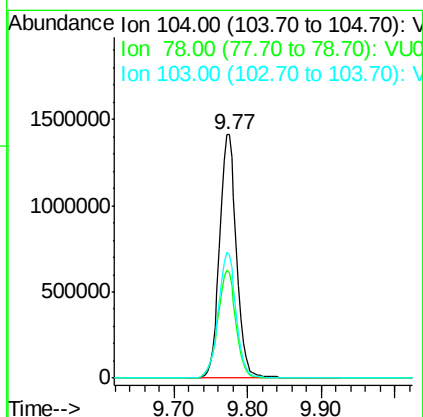
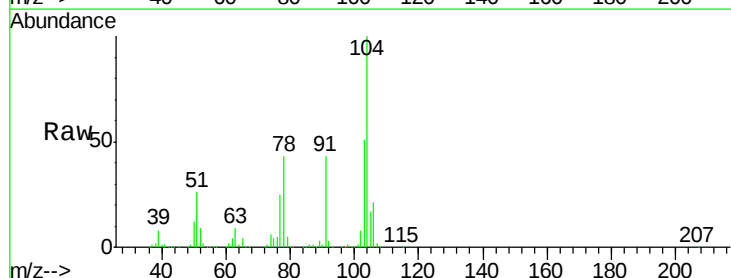
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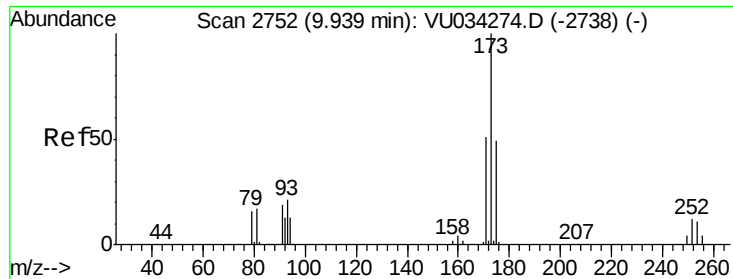
MMDadoda
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#70
Styrene
Concen: 203.344 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	38.6	57.8
103	54.4	44.2	66.4





#71

Bromoform

Concen: 204.573 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:173 Resp: 675015

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.2

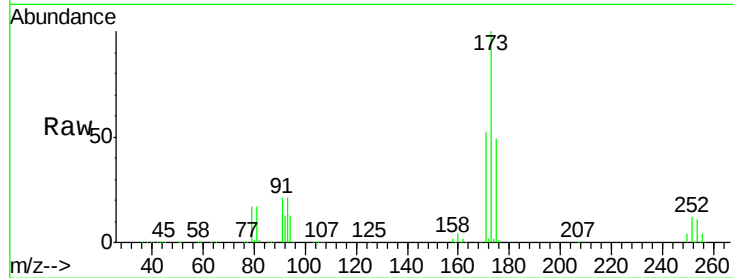
254 0.1 0.0 0.0#

Manual Integrations

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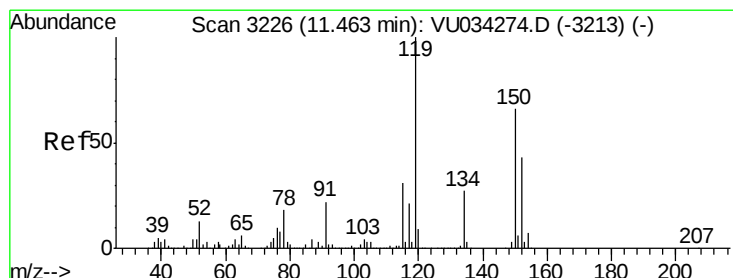
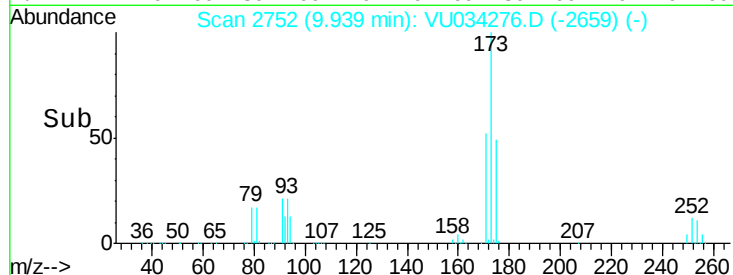
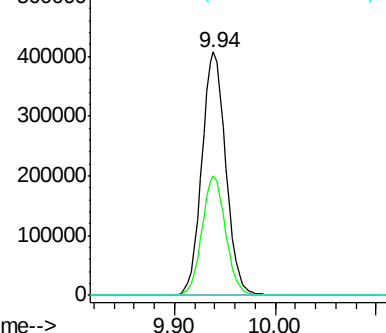
9/6/2019 3:21:42 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

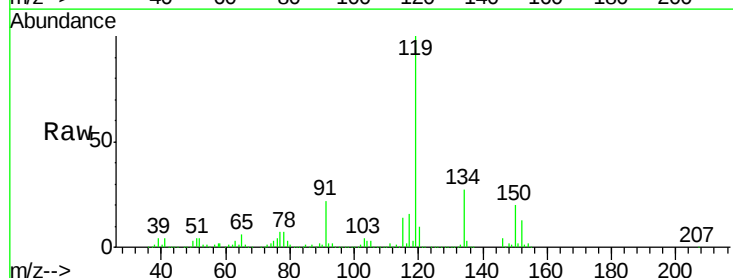
Tgt Ion:152 Resp: 324138

Ion Ratio Lower Upper

152 100

115 123.4 39.1 117.3#

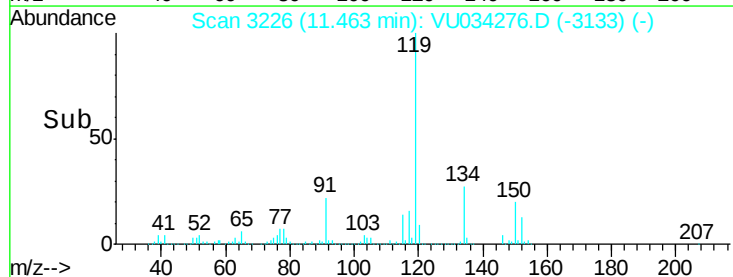
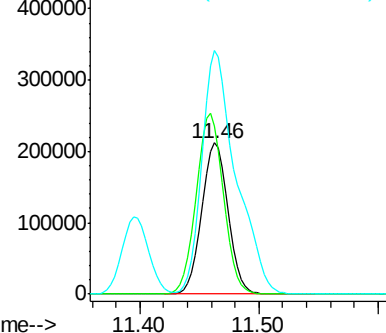
150 208.4 0.0 345.4

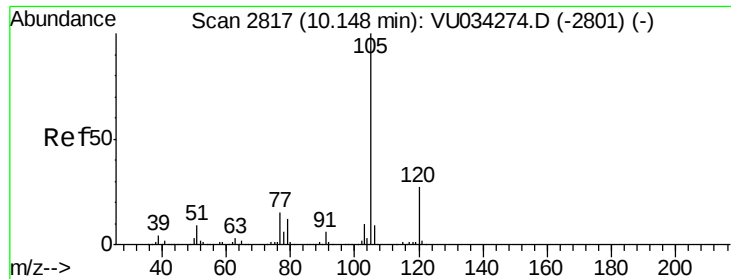


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.280 ug/l

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 3380884

Ion Ratio Lower Upper

105 100

120 26.7

13.4

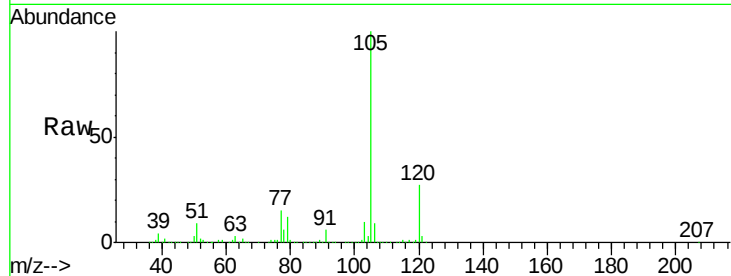
40.2

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

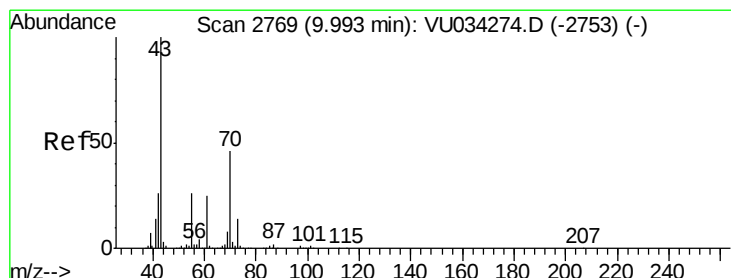
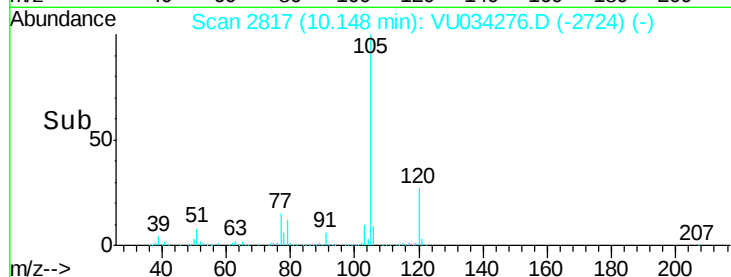
1000000

500000

0

10.10 10.15 10.20 10.30

Time-->



#74

N-ethyl acetate

Concen: 169.527 ug/l

RT: 10.00 min Scan# 2770

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion: 43 Resp: 1502009

Ion Ratio Lower Upper

43 100

70 45.5

36.4

54.6

55 25.1

21.2

31.8

61 26.1

20.4

30.6

Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 70.00 (69.70 to 70.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

1500000

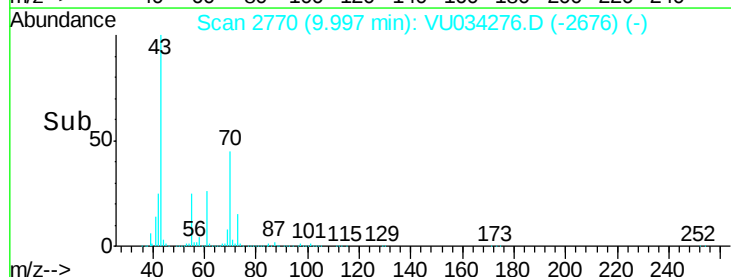
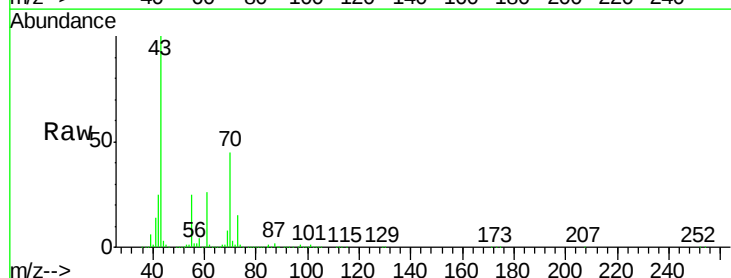
1000000

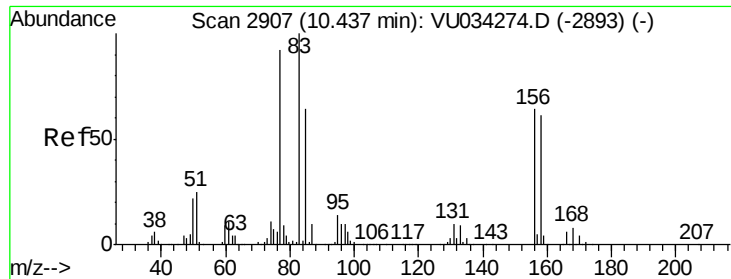
500000

0

9.90 10.00 10.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 148.645 ug/l

RT: 10.44 min Scan# 2908

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 83 Resp: 1221499

Ion Ratio Lower Upper

83 100

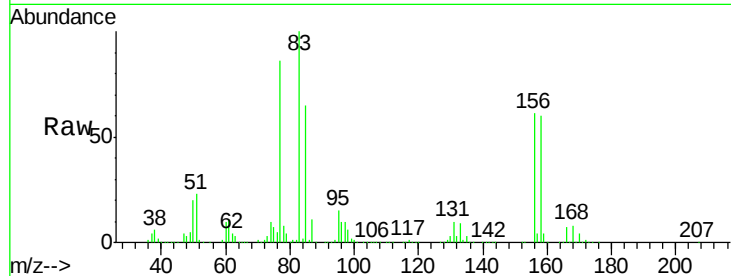
131 10.1 5.1 15.2

85 64.7 32.0 96.2

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Abundance Ion 82.90 (82.60 to 83.60): VU034276.D (-2893) (-)

Ion 130.80 (130.50 to 131.50): VU034276.D (-2893) (-)

Ion 84.90 (84.60 to 85.60): VU034276.D (-2893) (-)

10.44

800000

600000

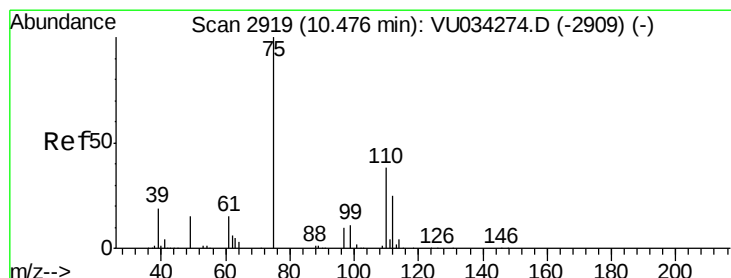
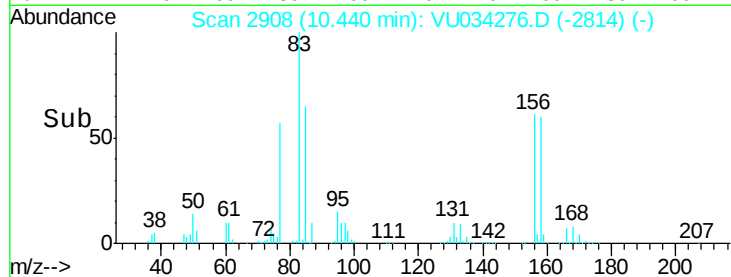
400000

200000

0

10.40 10.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 151.089 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034276.D

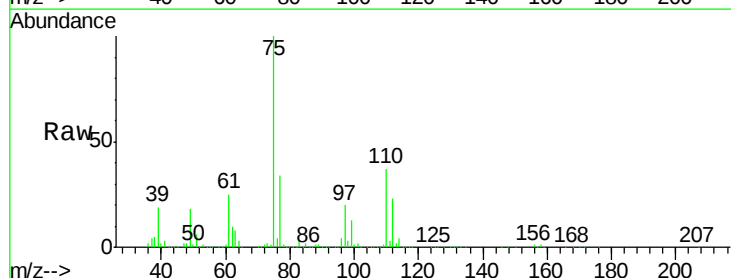
Acq: 05 Sep 2019 11:09

Tgt Ion: 75 Resp: 1068457

Ion Ratio Lower Upper

75 100

77 40.2 20.8 62.2



Abundance Ion 74.90 (74.60 to 75.60): VU034276.D (-2826) (-)

Ion 77.00 (76.70 to 77.70): VU034276.D (-2826) (-)

10.48

800000

600000

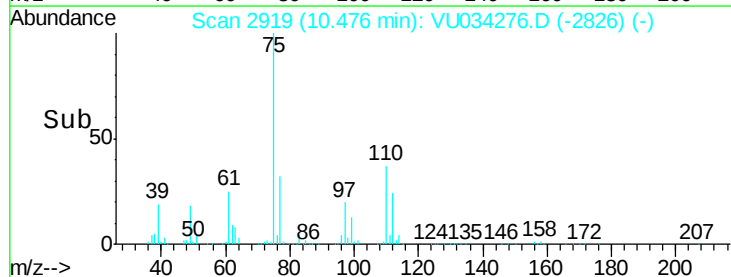
400000

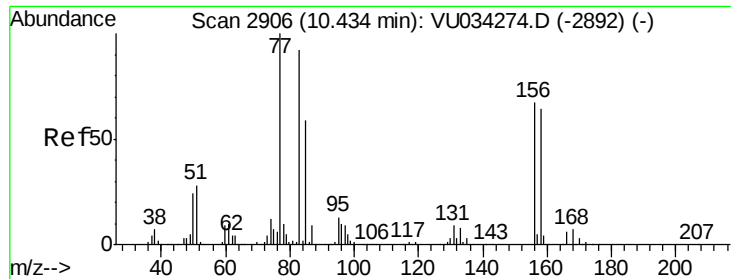
200000

0

10.45 10.50

Time-->





#77

Bromobenzene

Concen: 157.866 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion:156 Resp: 909186

Ion Ratio Lower Upper

156 100

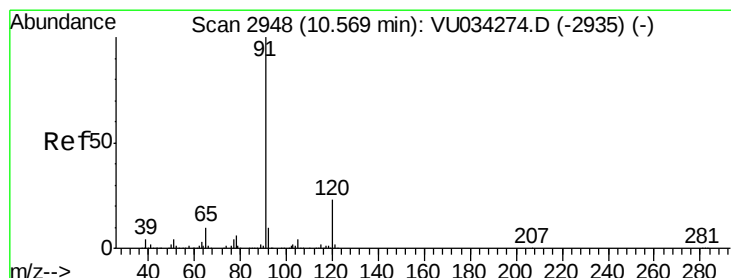
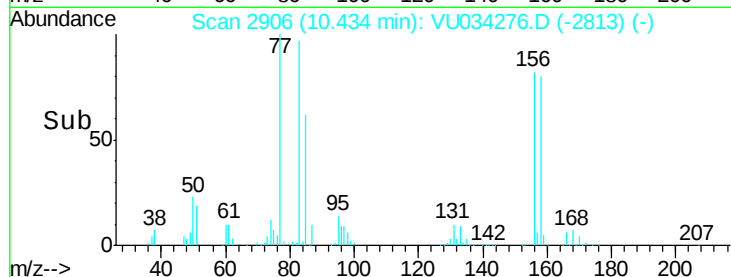
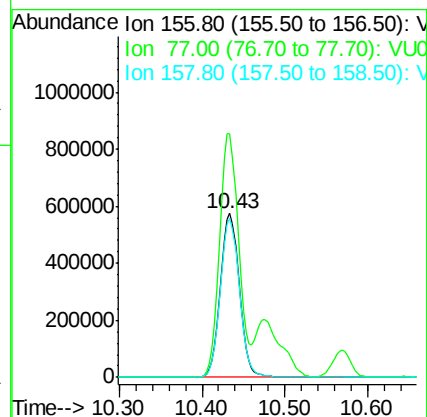
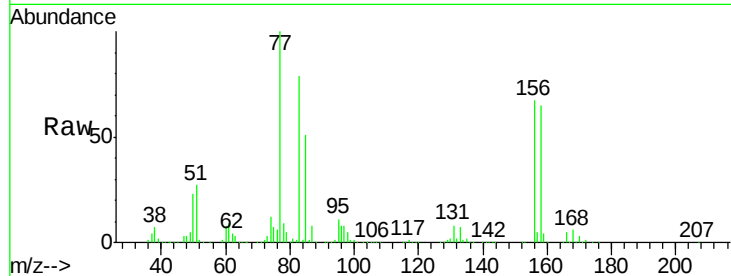
77 150.8 75.6 226.9

158 97.2 48.2 144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 158.930 ug/l

RT: 10.57 min Scan# 2948

Delta R.T. 0.00 min

Lab File: VU034276.D

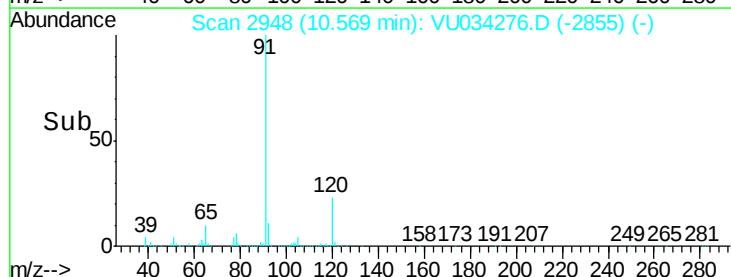
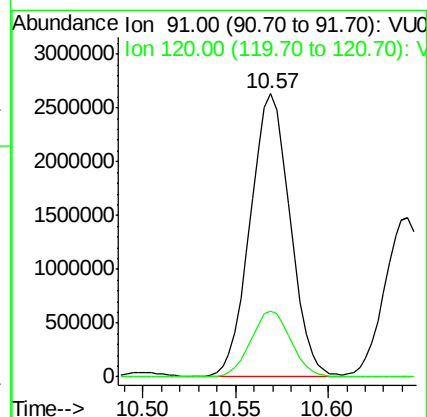
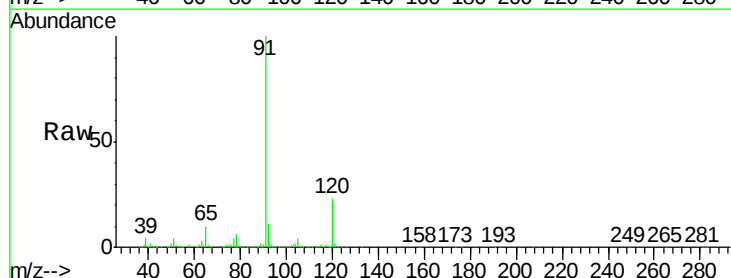
Acq: 05 Sep 2019 11:09

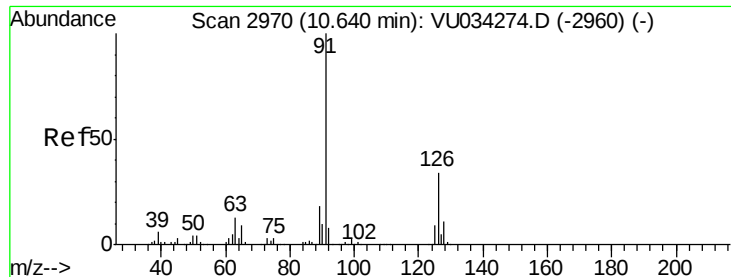
Tgt Ion: 91 Resp: 3931430

Ion Ratio Lower Upper

91 100

120 23.5 11.7 35.0





#79

2-Chlorotoluene

Concen: 155.089 ug/l

RT: 10.64 min Scan# 2971

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Instrument :

MSVOA_U

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 2304426

Ion Ratio Lower Upper

91 100

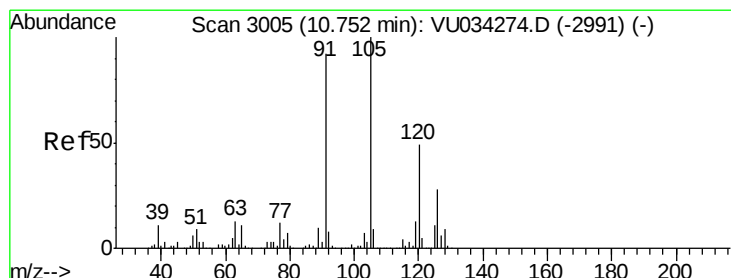
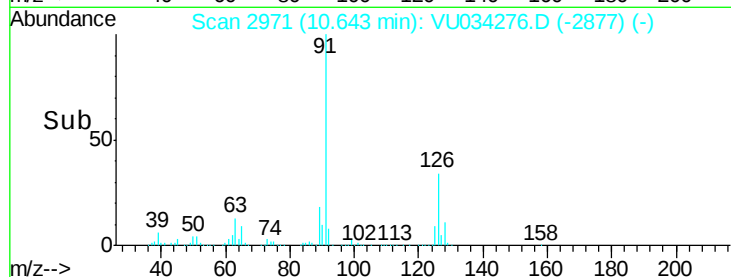
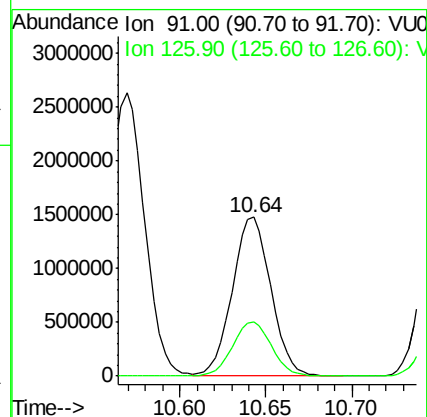
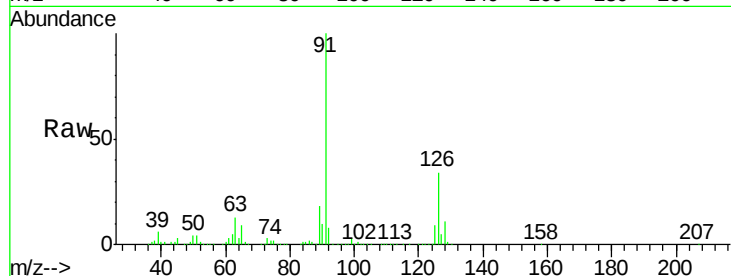
126 34.6 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 160.680 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034276.D

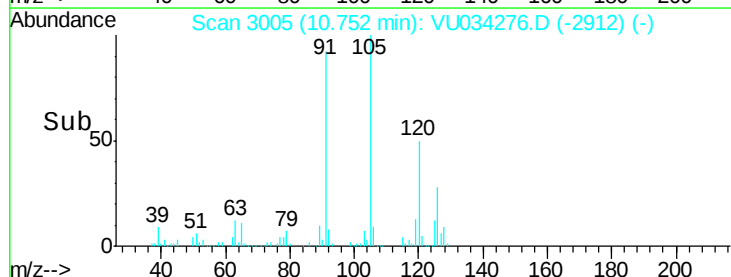
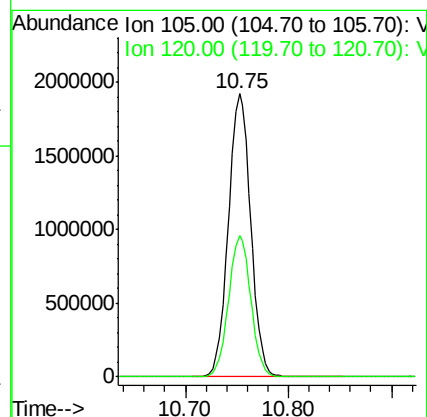
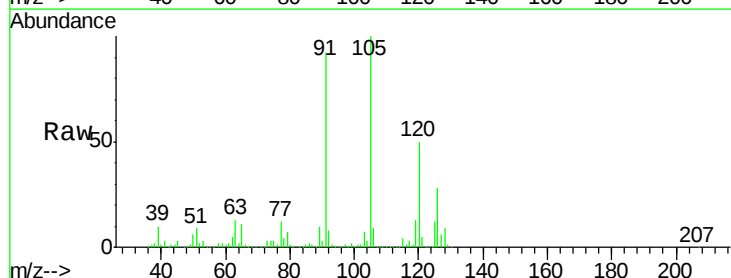
Acq: 05 Sep 2019 11:09

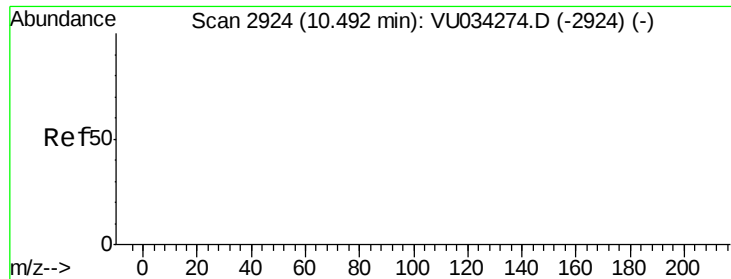
Tgt Ion: 105 Resp: 2891964

Ion Ratio Lower Upper

105 100

120 49.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 168.377 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

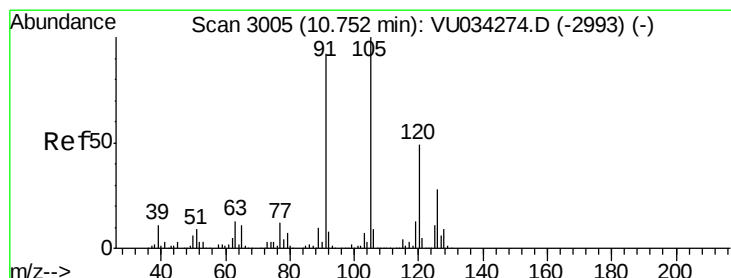
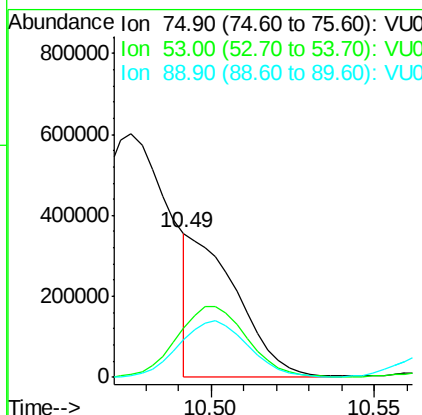
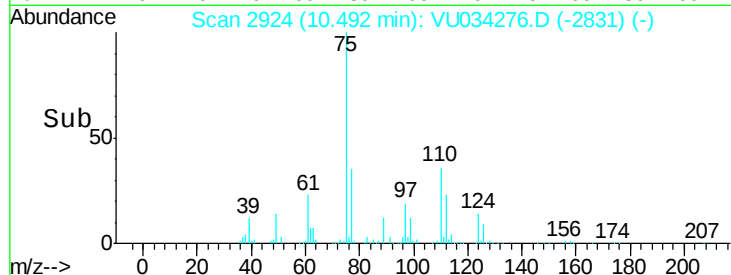
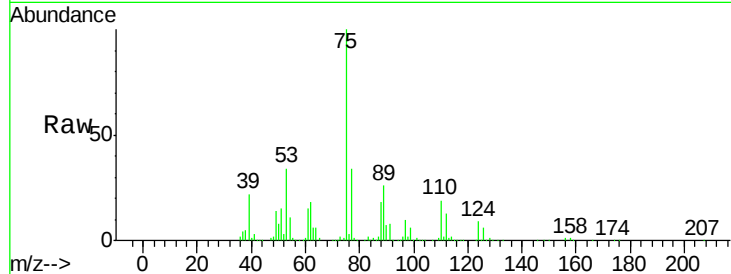
Instrument :
MSVOA_U

ClientSampleId :
VSTDIC150

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 157.892 ug/l

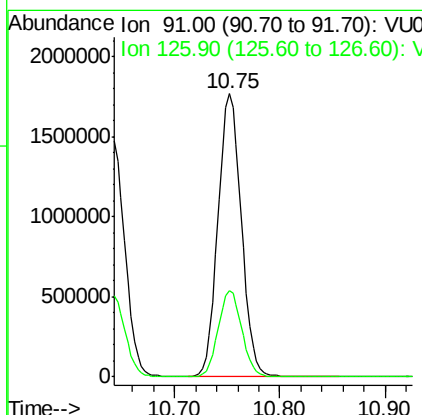
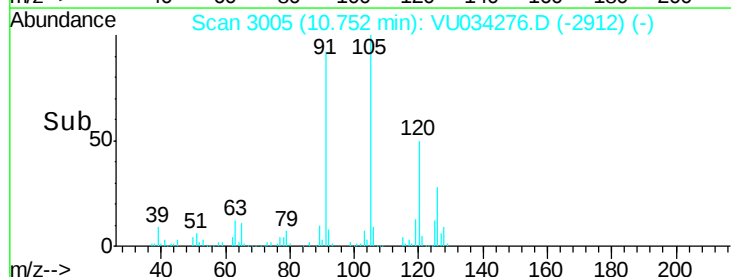
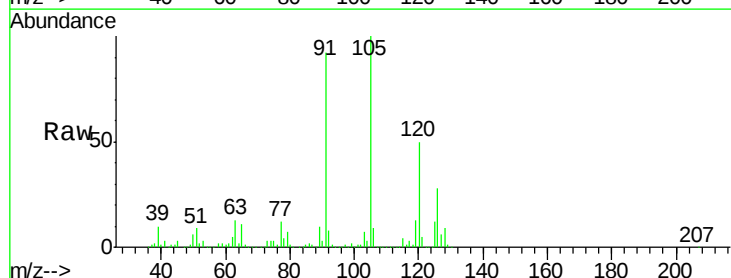
RT: 10.75 min Scan# 3005

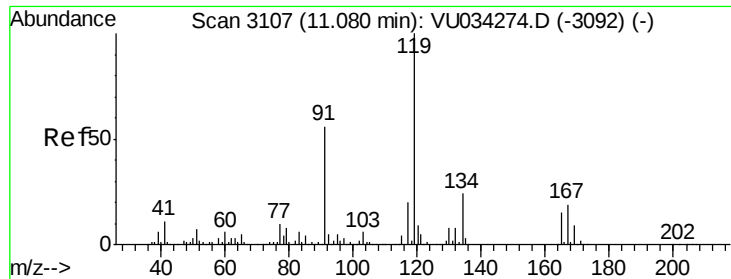
Delta R.T. 0.00 min

Lab File: VU034276.D

Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Resp Lower	Upper
91	100		
126	30.7	15.3	45.8





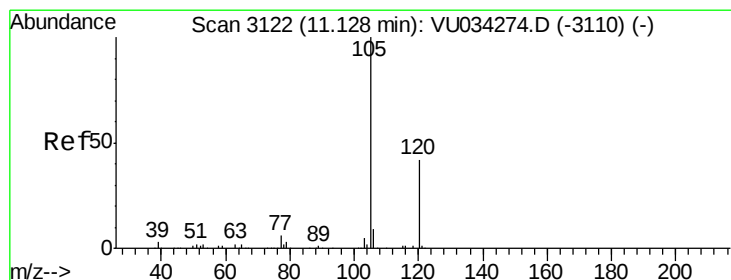
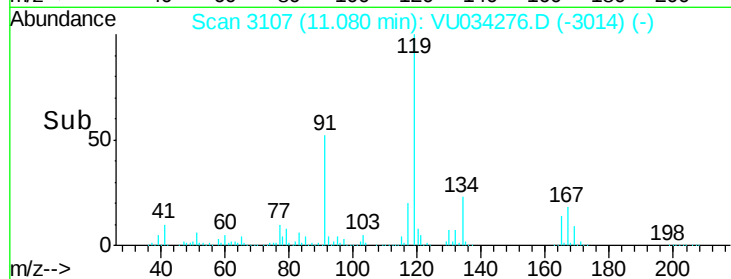
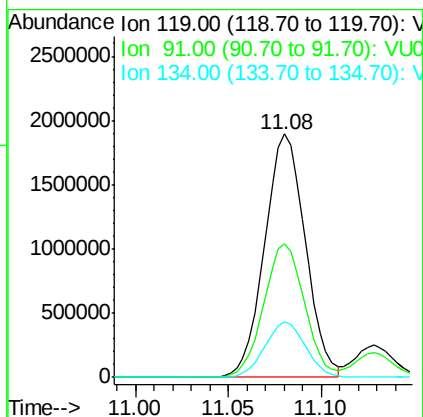
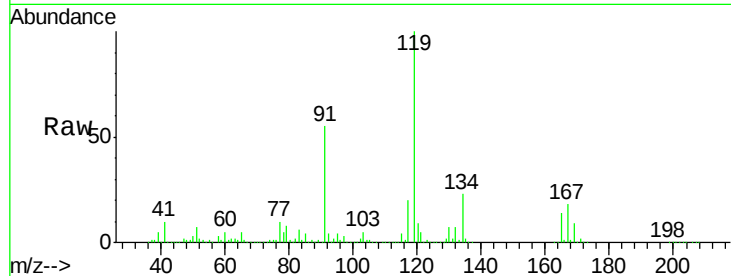
#83
 tert-Butylbenzene
 Concen: 163.212 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.9	27.8	83.4
134	22.8	11.7	35.0

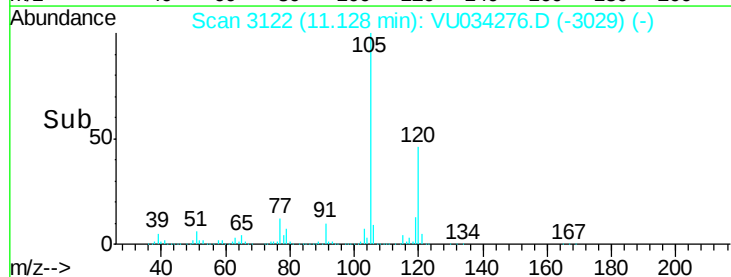
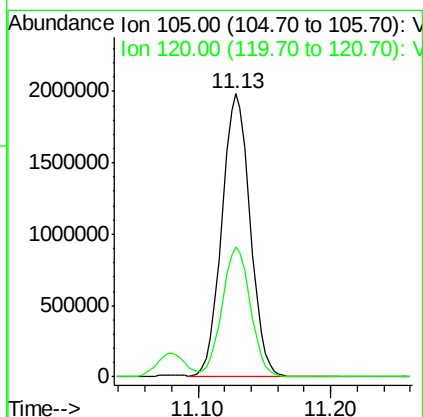
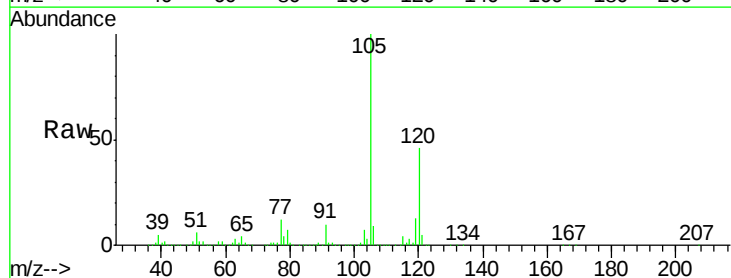
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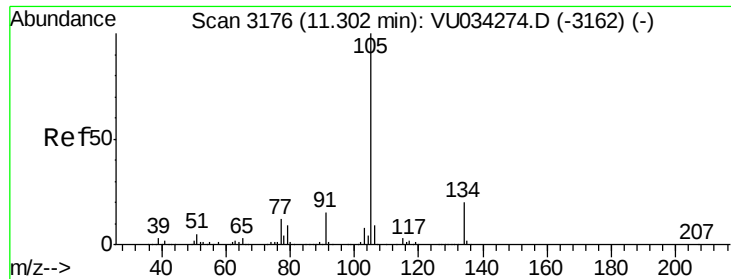
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#84
 1,2,4-Trimethylbenzene
 Concen: 164.027 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.9	68.8





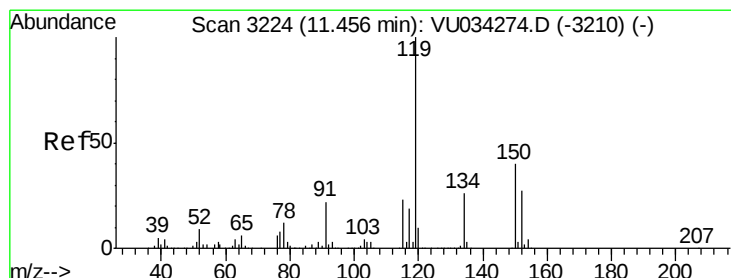
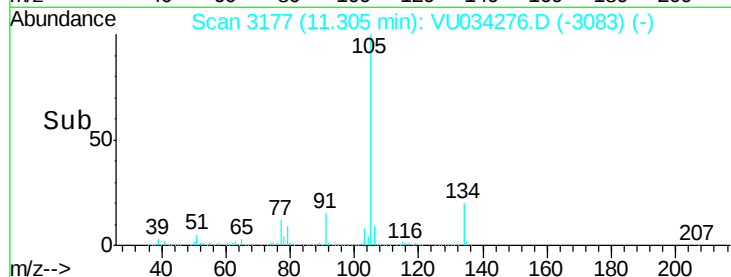
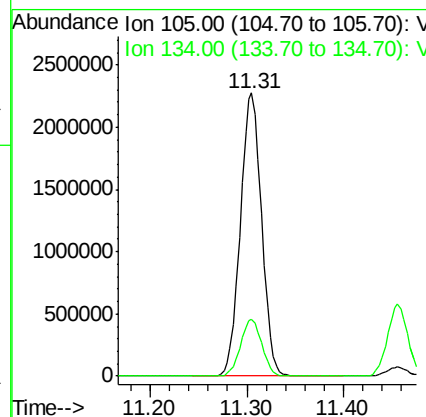
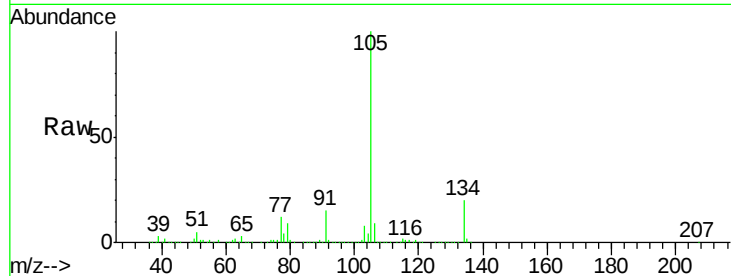
#85
 sec-Butylbenzene
 Concen: 162.429 ug/l
 RT: 11.31 min Scan# 3177
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 3451631
 Ion Ratio Lower Upper
 105 100
 134 20.2 10.1 30.3

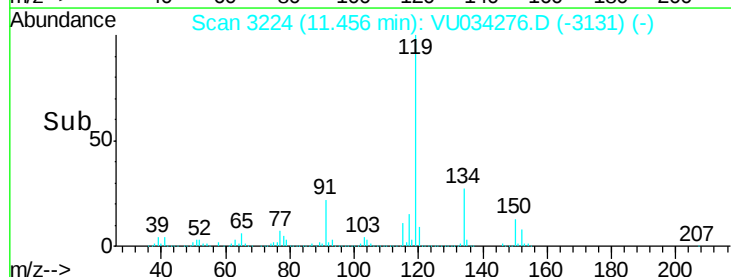
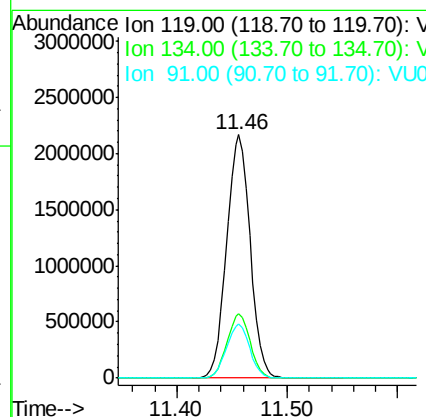
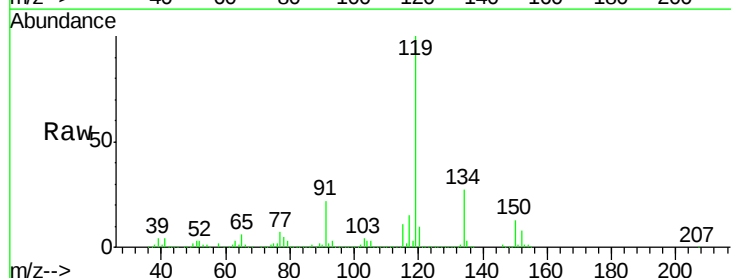
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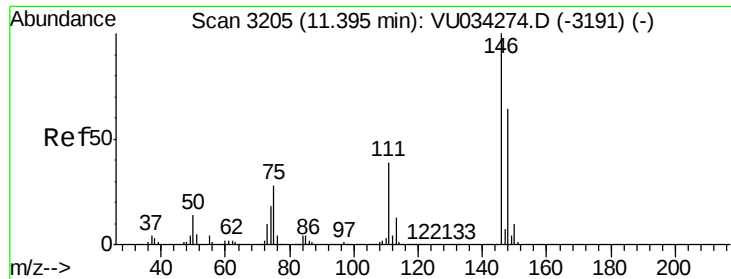
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#86
 p-Isopropyltoluene
 Concen: 165.783 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion:119 Resp: 3188919
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.3 39.8
 91 22.0 11.2 33.6





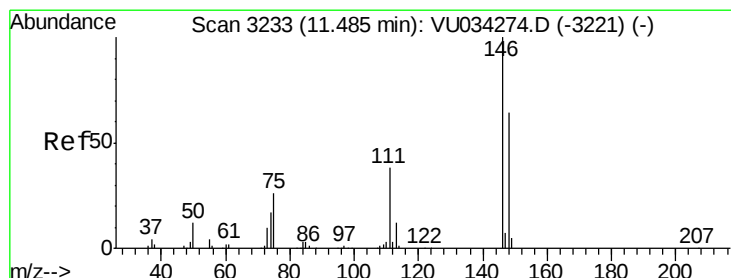
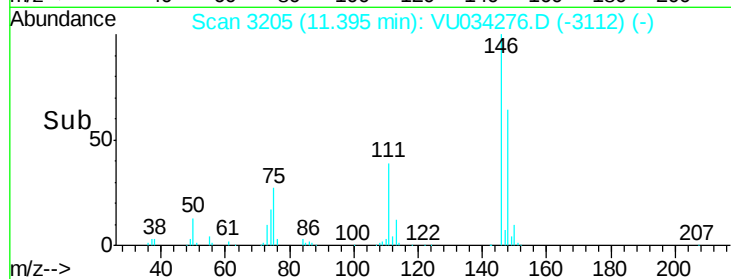
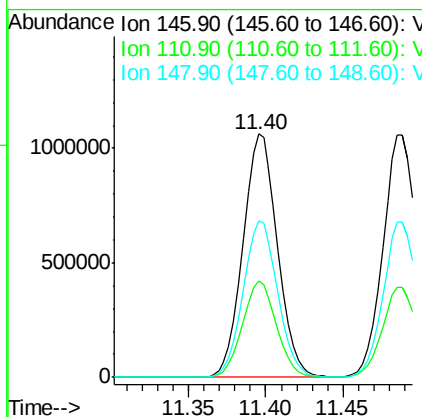
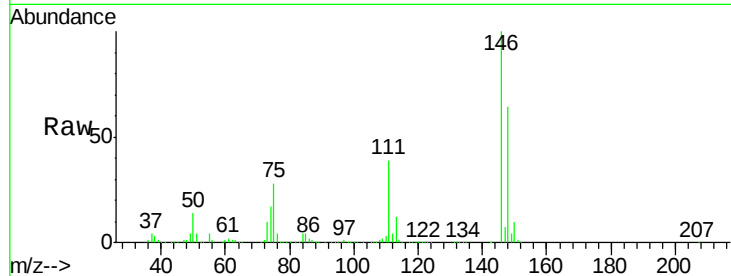
#87
 1,3-Dichlorobenzene
 Concen: 160.880 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.5	58.5
148	64.5	32.1	96.3

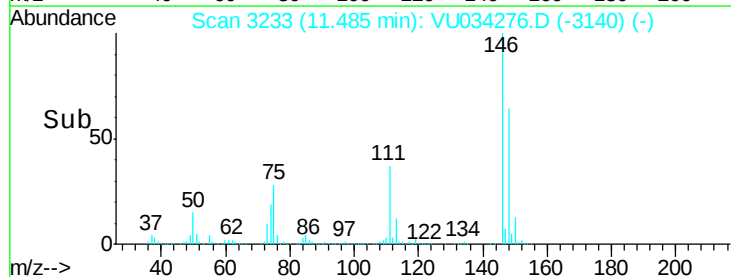
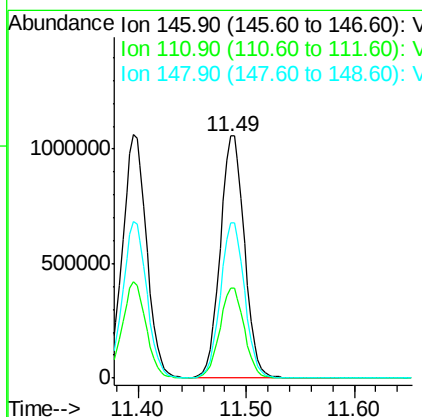
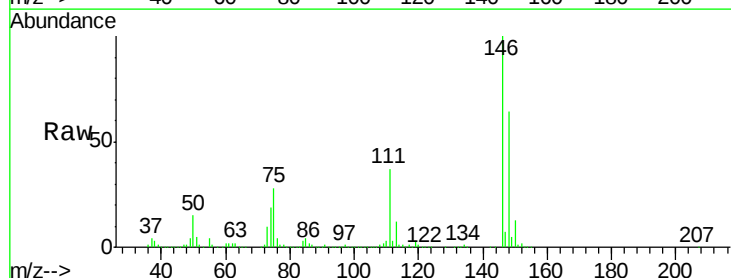
Manual Integrations
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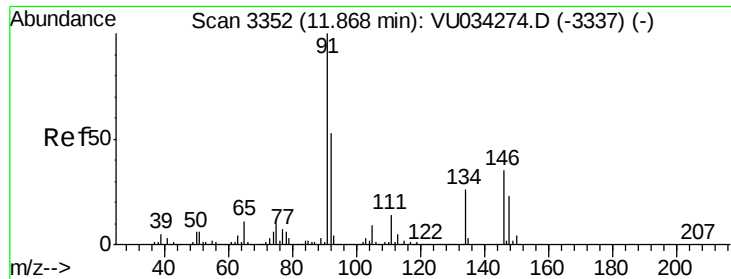
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#88
 1,4-Dichlorobenzene
 Concen: 158.601 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.3
148	64.4	32.0	96.0





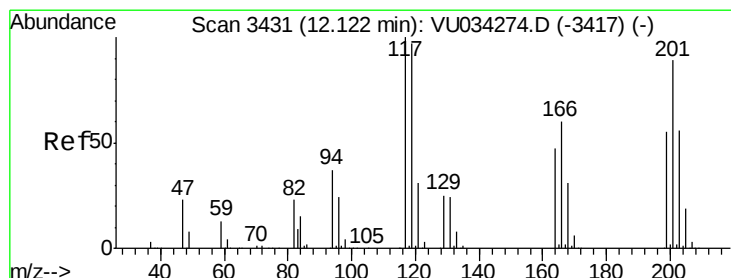
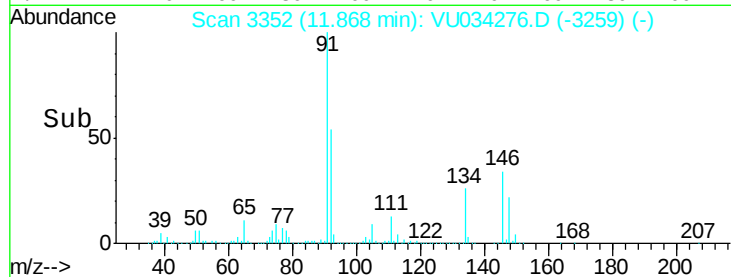
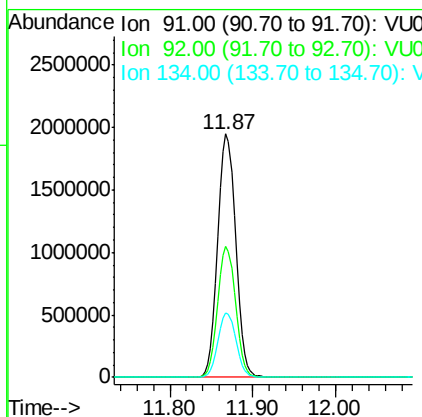
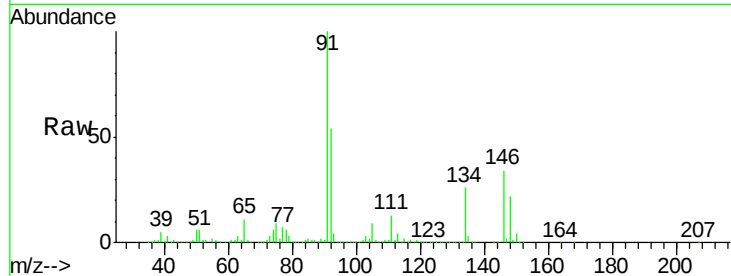
#89
n-Butylbenzene
Concen: 172.770 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2925805
Ion Ratio Lower Upper
91 100
92 53.4 26.5 79.4
134 26.5 13.2 39.6

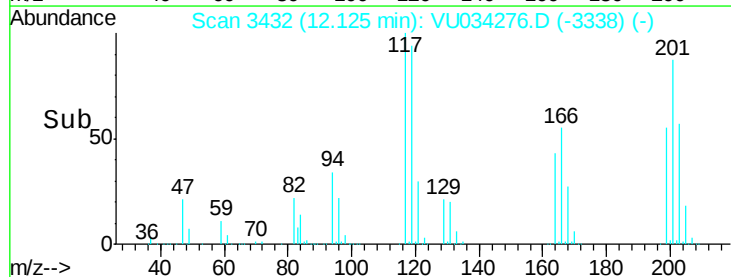
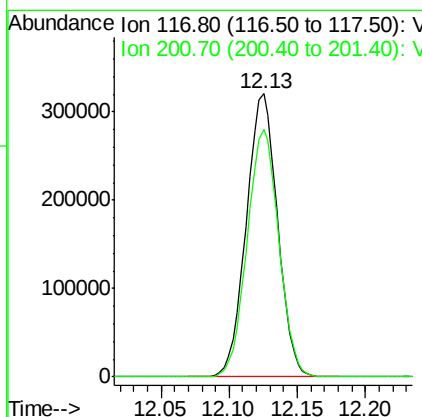
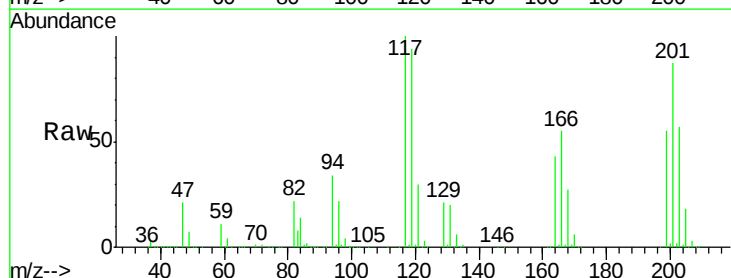
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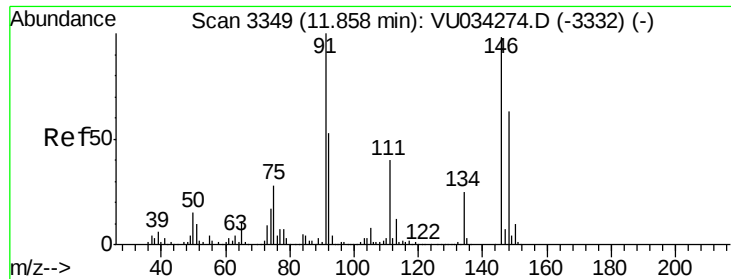
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#90
Hexachloroethane
Concen: 155.186 ug/l
RT: 12.13 min Scan# 3432
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion: 117 Resp: 510439
Ion Ratio Lower Upper
117 100
201 88.3 44.1 132.4





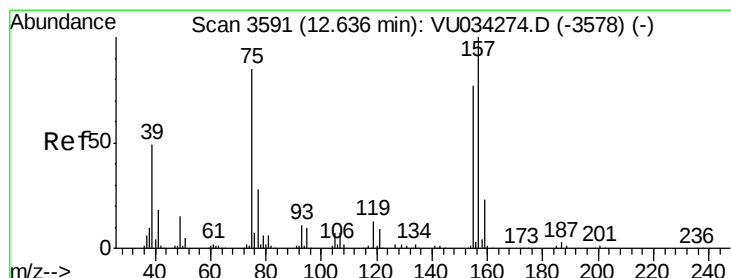
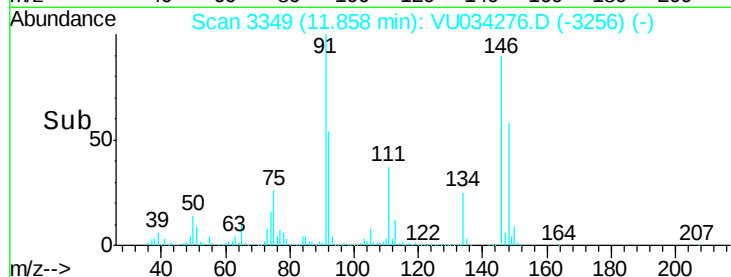
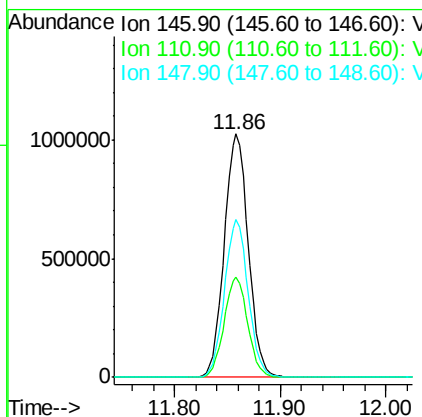
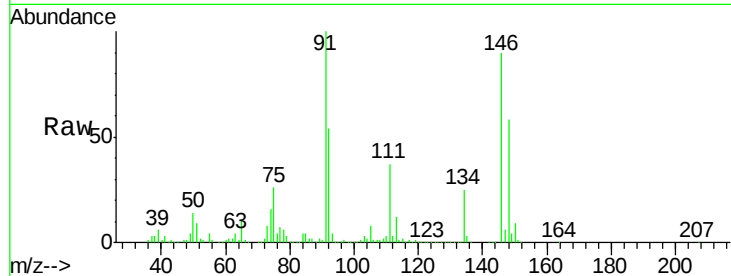
#91
 1,2-Dichlorobenzene
 Concen: 163.714 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.0	60.0
148	64.0	31.6	94.8

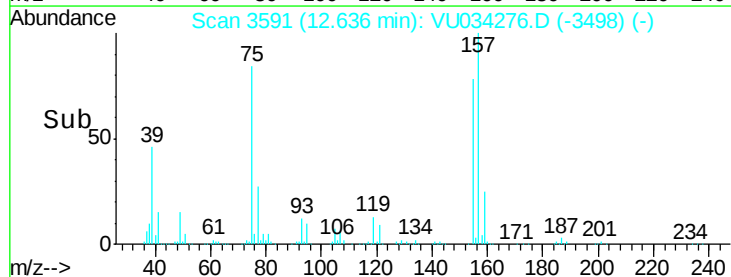
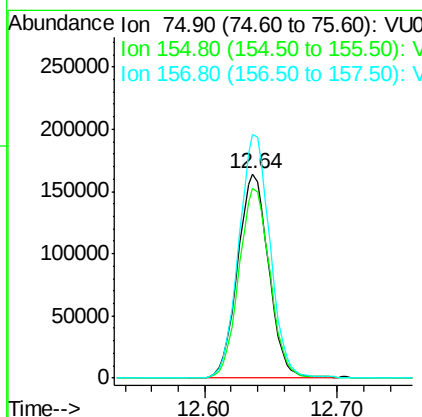
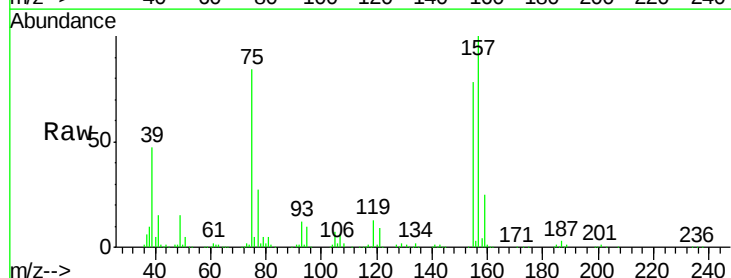
Manual Integrations
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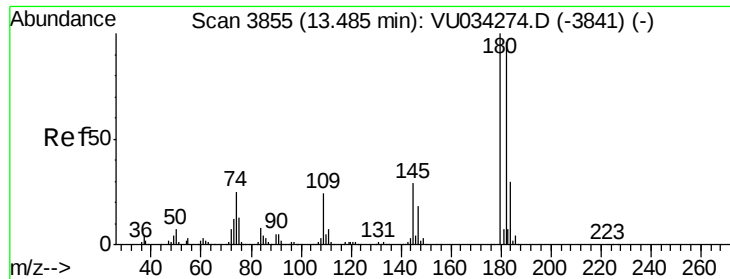
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 164.148 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	44.6	134.0
157	119.7	58.2	174.6





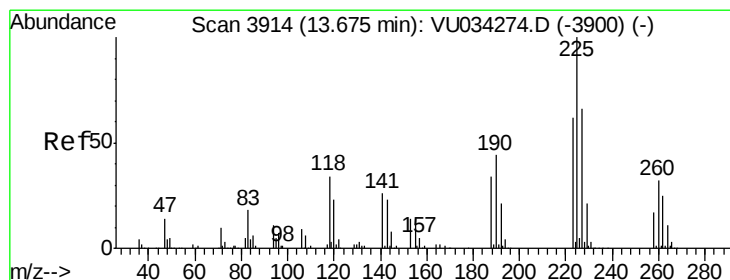
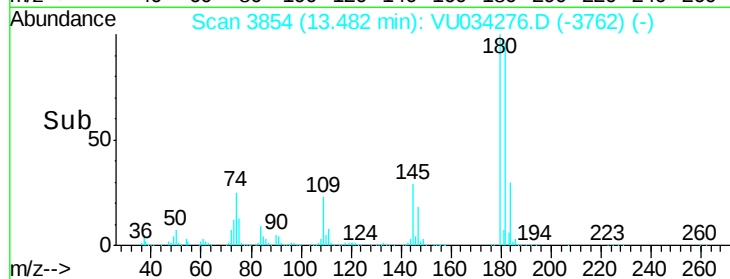
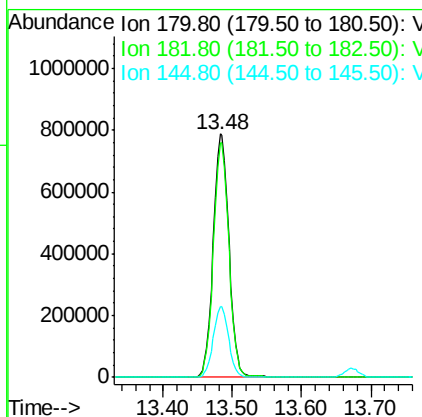
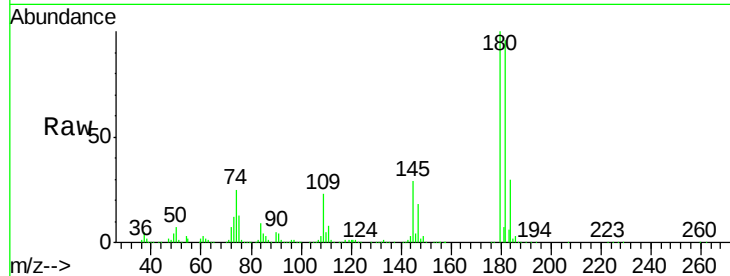
#93
 1,2,4-Trichlorobenzene
 Concen: 206.107 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.9	143.8
145	28.6	14.4	43.0

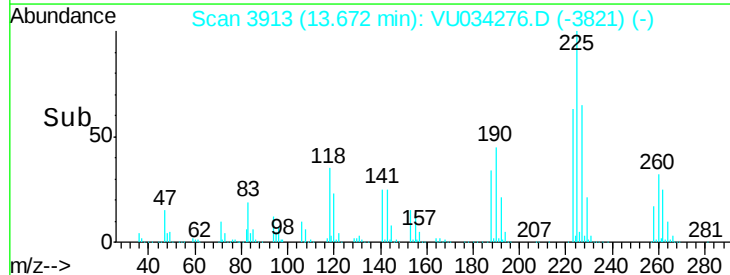
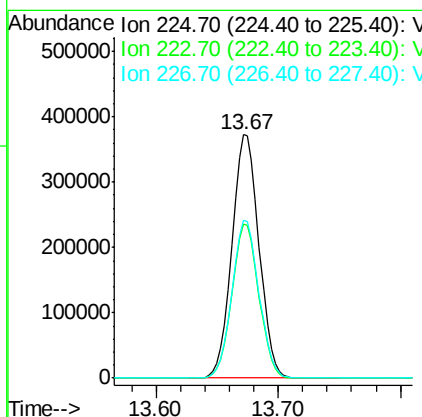
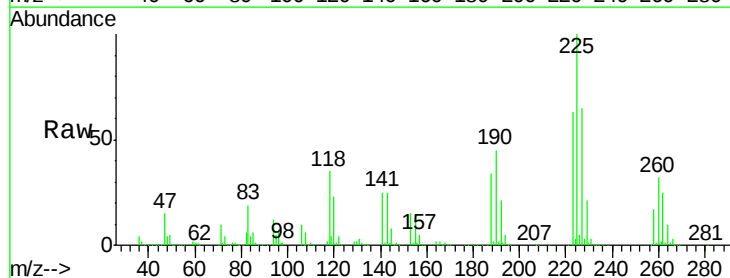
Manual Integrations
 APPROVED

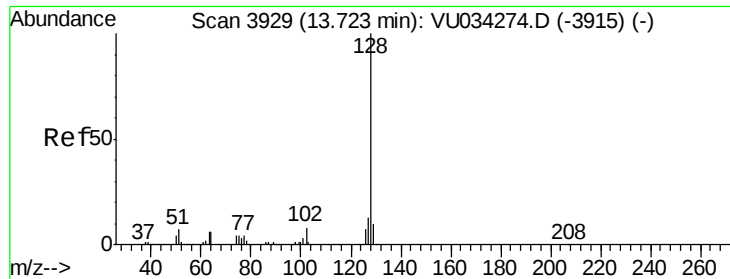
MMDadoda
 9/6/2019 3:21:42 PM



#94
 Hexachlorobutadiene
 Concen: 151.882 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034276.D
 Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.6	94.7
227	64.5	32.3	96.8





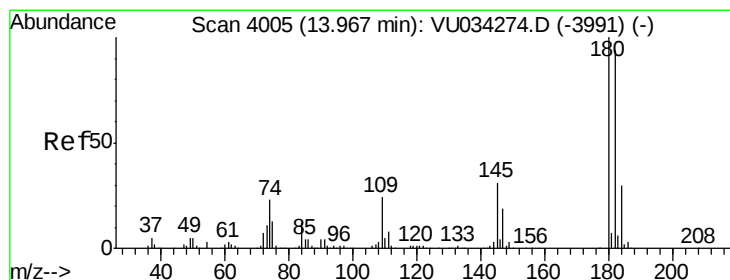
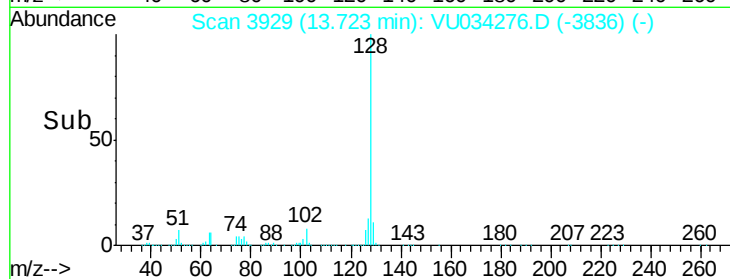
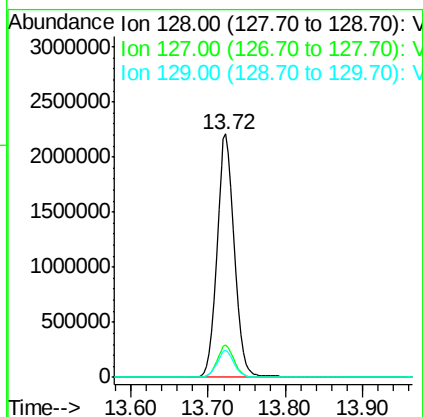
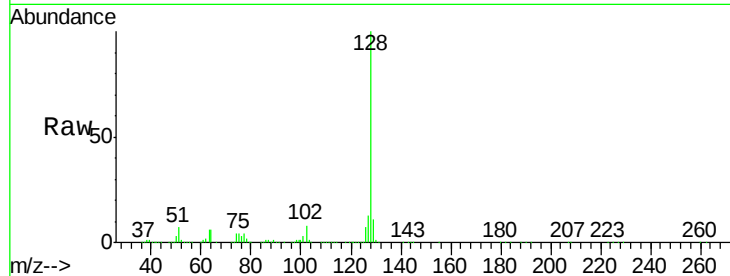
#95
Naphthalene
Concen: 212.106 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Instrument :
MSVOA_U
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.8	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/6/2019 3:21:42 PM



#96
1,2,3-Trichlorobenzene
Concen: 186.912 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034276.D
Acq: 05 Sep 2019 11:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.4	145.0
145	30.4	15.4	46.4

