

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090719\
 Data File : VU034319.D
 Acq On : 06 Sep 2019 10:31
 Operator : JC/SP
 Sample : VU0907WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 10:48:40 AM

Quant Time: Sep 06 13:02:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	288427	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	424198	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	419243	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	277271	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	224848	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	4.86	113	198689	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	7.54	98	777486	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	
62) 4-Bromofluorobenzene	10.29	95	286276	50.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	56773	18.821	ug/l	98
3) Chloromethane	1.32	50	66896	20.476	ug/l	96
4) Vinyl Chloride	1.40	62	68719	18.281	ug/l	99
5) Bromomethane	1.62	94	42662	19.792	ug/l	99
6) Chloroethane	1.69	64	45684	20.315	ug/l	98
7) Trichlorofluoromethane	1.88	101	96770	19.200	ug/l	98
8) Diethyl Ether	2.09	74	43211	19.491	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.28	101	64439	19.304	ug/l	98
10) Methyl Iodide	2.40	142	41625	16.427	ug/l	98
11) Tert butyl alcohol	2.81	59	89349	96.913	ug/l	100
12) 1,1-Dichloroethene	2.27	96	61623	19.637	ug/l	96
13) Acrolein	2.18	56	59410	76.669	ug/l	99
14) Allyl chloride	2.58	41	97853	16.310	ug/l	90
15) Acrylonitrile	2.92	53	231870	100.994	ug/l	97
16) Acetone	2.31	43	223766	99.084	ug/l	99
17) Carbon Disulfide	2.47	76	124750	17.688	ug/l	98
18) Methyl Acetate	2.60	43	103894	18.907	ug/l	99
19) Methyl tert-butyl Ether	2.98	73	228610	19.987	ug/l	99
20) Methylene Chloride	2.69	84	77562	20.734	ug/l	97
21) trans-1,2-Dichloroethene	2.97	96	63768	19.283	ug/l	97
22) Diisopropyl ether	3.55	45	242597	20.735	ug/l #	90
23) Vinyl Acetate	3.50	43	960519	100.787	ug/l	99
24) 1,1-Dichloroethane	3.43	63	134686	19.277	ug/l	100
25) 2-Butanone	4.24	43	308596	102.368	ug/l	100
26) 2,2-Dichloropropane	4.20	77	110461	19.657	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	81974	20.410	ug/l	97
28) Bromochloromethane	4.52	49	65813	20.479	ug/l	100
29) Tetrahydrofuran	4.62	42	189553	103.333	ug/l	100
30) Chloroform	4.65	83	137030	19.294	ug/l	100
31) Cyclohexane	4.97	56	99082	19.384	ug/l	100
32) 1,1,1-Trichloroethane	4.89	97	110416	19.445	ug/l	98
36) 1,1-Dichloropropene	5.12	75	86344	18.768	ug/l	99
37) Ethyl Acetate	4.36	43	107874	19.833	ug/l	99
38) Carbon Tetrachloride	5.11	117	94514	19.241	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	92932	18.897	ug/l	97
40) Benzene	5.37	78	293285	19.757	ug/l	99
41) Methacrylonitrile	4.52	41	57711	19.919	ug/l	99
42) 1,2-Dichloroethane	5.38	62	100697	19.538	ug/l	100
43) Isopropyl Acetate	5.53	43	165497	19.504	ug/l	99
44) Trichloroethene	6.17	130	79111	19.259	ug/l	98
45) 1,2-Dichloropropane	6.41	63	85934	19.802	ug/l	99
46) Dibromomethane	6.54	93	53184	19.524	ug/l	98
47) Bromodichloromethane	6.74	83	107259	19.129	ug/l	98
48) Methyl methacrylate	6.60	41	77823	19.310	ug/l	99
49) 1,4-Dioxane	6.59	88	34367	390.521	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	580285	98.799	ug/l	100
52) Toluene	7.62	92	183239	19.678	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	111543	19.190	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	125498	19.672	ug/l	100
55) 1,1,2-Trichloroethane	8.05	97	84075	19.883	ug/l	98
56) Ethyl methacrylate	8.00	69	112440	19.502	ug/l	100
57) 1,3-Dichloropropane	8.22	76	133306	19.361	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.11	63	186287	96.630	ug/l	99
59) 2-Hexanone	8.34	43	434956	99.130	ug/l	99
60) Dibromochloromethane	8.46	129	87411	19.273	ug/l	94
61) 1,2-Dibromoethane	8.57	107	80678	19.494	ug/l	98
64) Tetrachloroethene	8.21	164	70663	19.428	ug/l	97
65) Chlorobenzene	9.10	112	211059	19.843	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	79172	19.504	ug/l	100
67) Ethyl Benzene	9.23	91	344114	19.787	ug/l	99
68) m/p-Xylenes	9.36	106	266832	40.745	ug/l	100
69) o-Xylene	9.76	106	129562	20.230	ug/l	99
70) Styrene	9.77	104	232392	20.696	ug/l	99
71) Bromoform	9.94	173	69598	19.784	ug/l #	99
73) Isopropylbenzene	10.15	105	359130	19.903	ug/l	100
74) N-amyl acetate	10.00	43	140614	19.360	ug/l	100
75) 1,1,2,2-Tetrachloroethane	10.44	83	141076	19.315	ug/l	99
76) 1,2,3-Trichloropropane	10.48	75	120980m	19.989	ug/l	
77) Bromobenzene	10.43	156	98397	19.502	ug/l	100
78) n-propylbenzene	10.57	91	417264	20.023	ug/l	99
79) 2-Chlorotoluene	10.64	91	253369	19.926	ug/l	100
80) 1,3,5-Trimethylbenzene	10.75	105	310107	20.549	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	37770m	20.987	ug/l	
82) 4-Chlorotoluene	10.75	91	292492	19.989	ug/l	100
83) tert-Butylbenzene	11.08	119	301059	19.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.13	105	308692	20.321	ug/l	99
85) sec-Butylbenzene	11.30	105	360439	20.223	ug/l	100
86) p-Isopropyltoluene	11.46	119	334442	20.331	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	180106	19.563	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	183777	19.138	ug/l	100
89) n-Butylbenzene	11.87	91	282965	19.794	ug/l	99
90) Hexachloroethane	12.12	117	50001	18.998	ug/l	100
91) 1,2-Dichlorobenzene	11.86	146	175941	19.445	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	25787	19.213	ug/l	96

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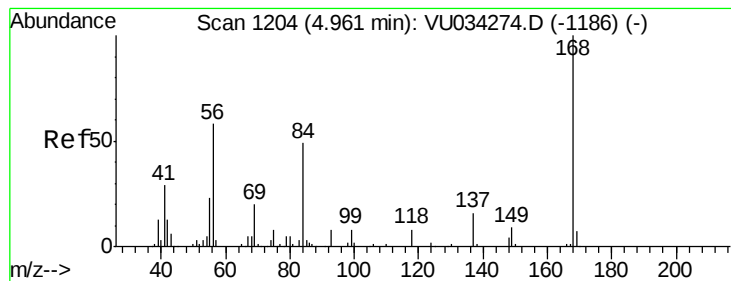
Manual Integrations
APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.49	180	108860	18.895	ug/l	100
94) Hexachlorobutadiene	13.67	225	61360	19.387	ug/l	99
95) Naphthalene	13.73	128	295429	18.685	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	111881	19.359	ug/l	98

(#) = 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: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion:168 Resp: 288427

Ion Ratio Lower Upper

168 100

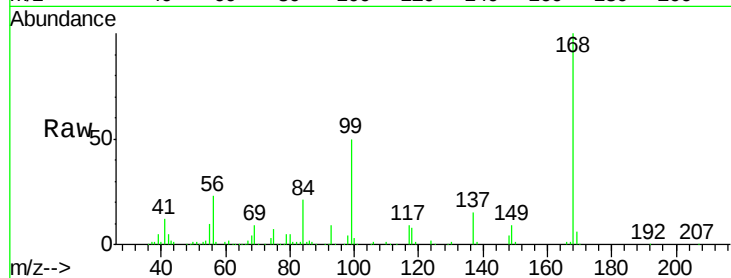
99 49.6 41.6 62.4

Manual Integrations

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

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

4.96

150000

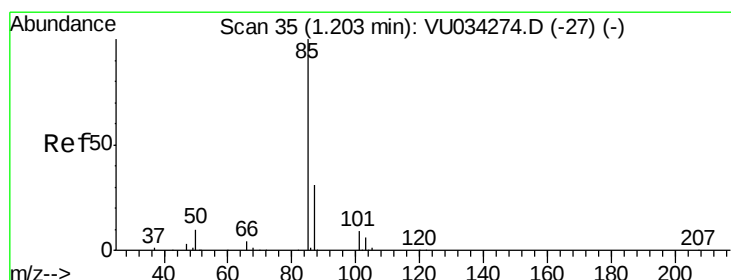
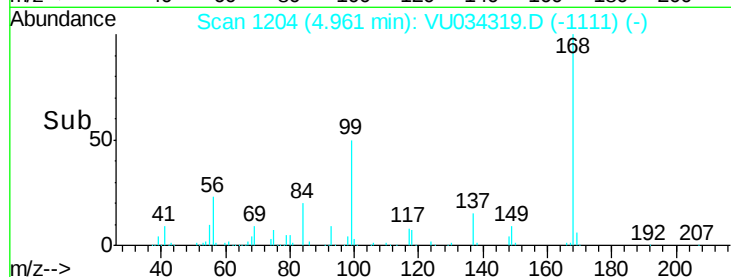
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50000

0

4.85 4.90 4.95 5.00 5.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.821 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034319.D

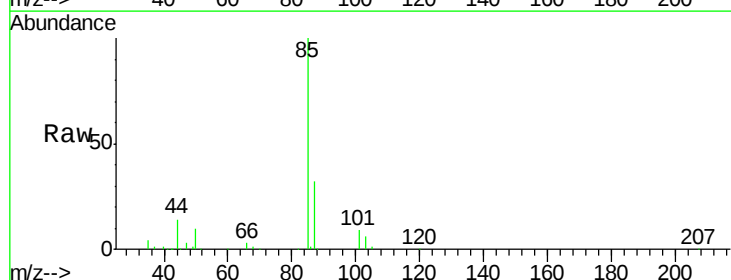
Acq: 06 Sep 2019 10:31

Tgt Ion: 85 Resp: 56773

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.0



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

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

1.20

60000

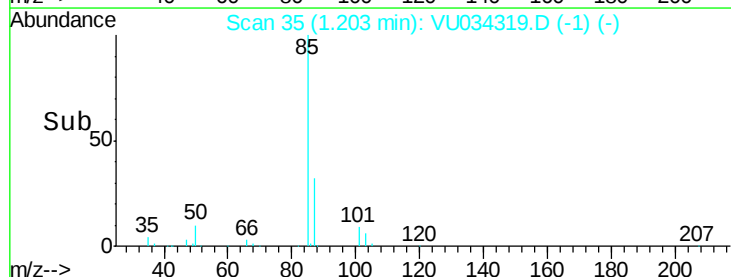
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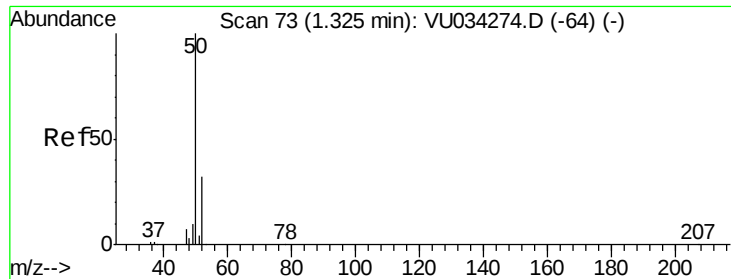
20000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 20.476 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 50 Resp: 66896

Ion Ratio Lower Upper

50 100

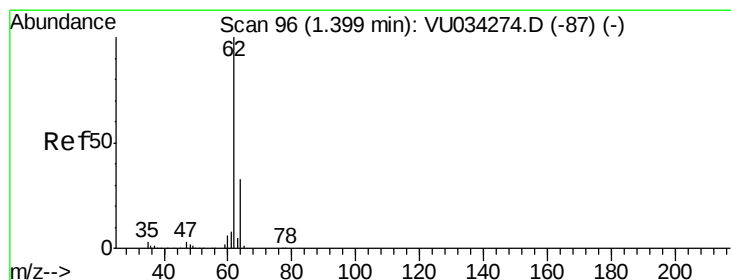
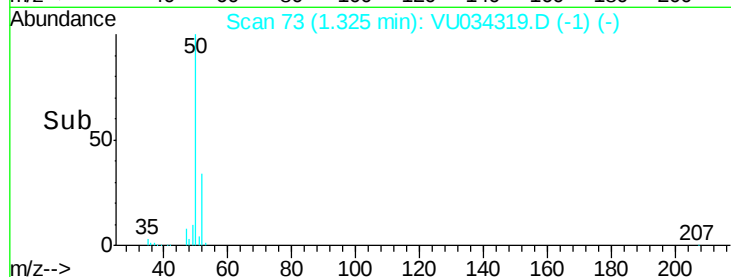
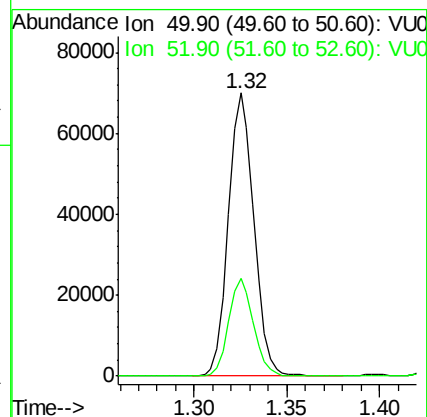
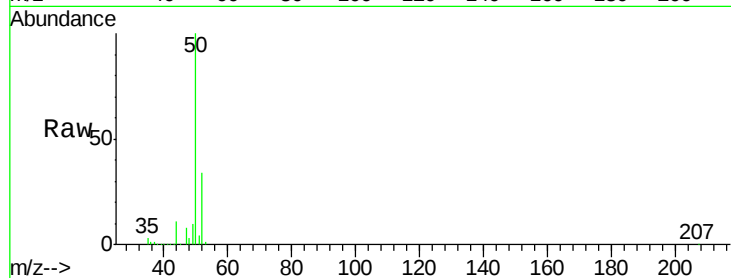
52 34.4 25.8 38.6

Manual Integrations

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9/10/2019 10:48:40 AM



#4

Vinyl Chloride

Concen: 18.281 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034319.D

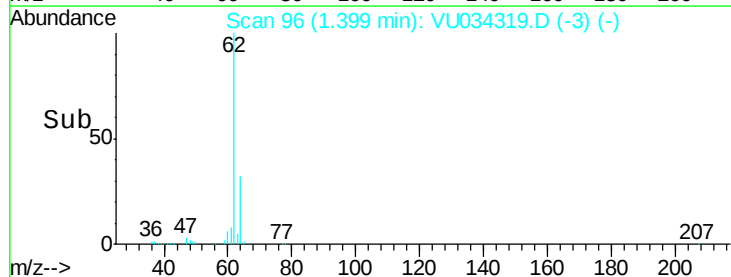
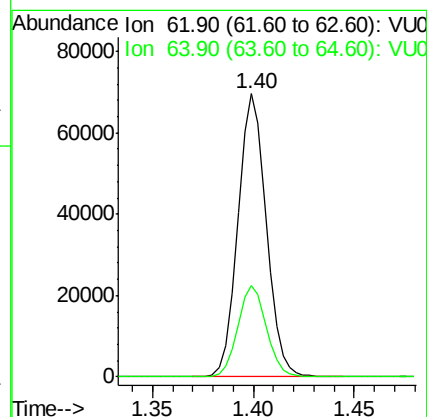
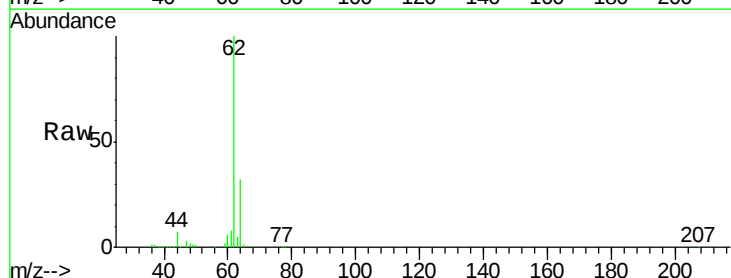
Acq: 06 Sep 2019 10:31

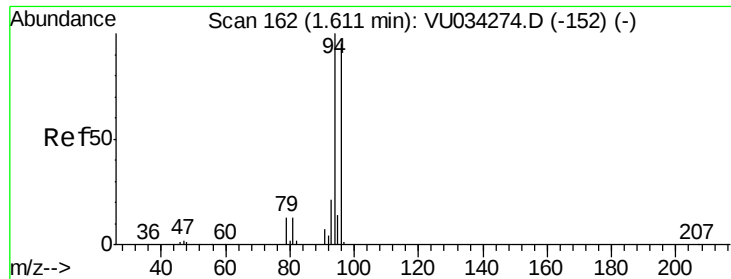
Tgt Ion: 62 Resp: 68719

Ion Ratio Lower Upper

62 100

64 32.4 26.2 39.4





#5

Bromomethane

Concen: 19.792 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 94 Resp: 42662

Ion Ratio Lower Upper

94 100

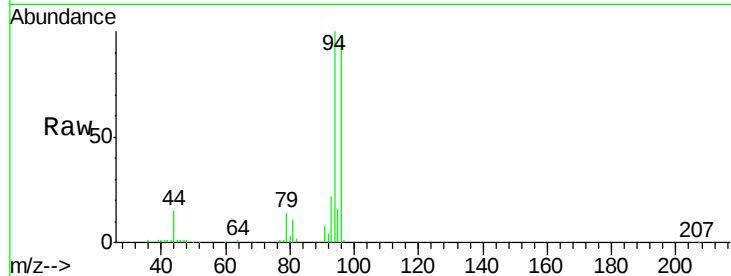
96 95.6 75.7 113.5

Manual Integrations

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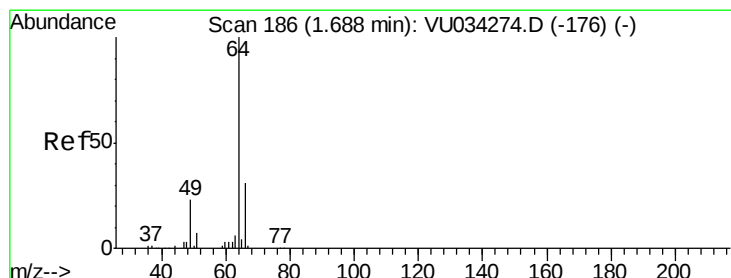
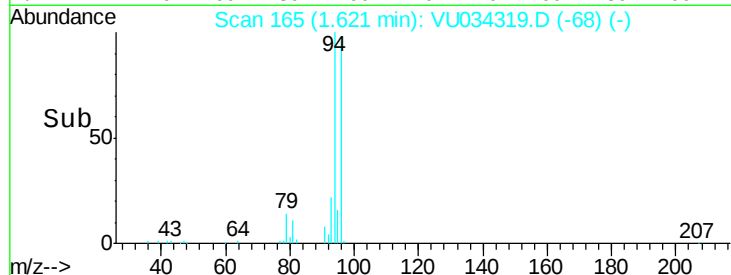
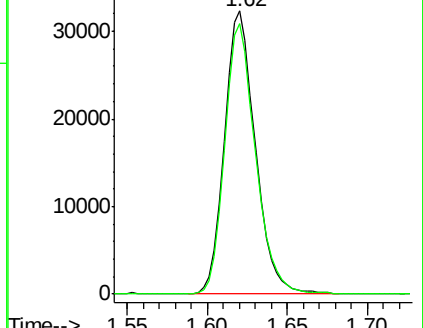
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Abundance Ion 93.90 (93.60 to 94.60): VU034319.D (-68) (-)

Ion 95.90 (95.60 to 96.60): VU034319.D (-68) (-)



#6

Chloroethane

Concen: 20.315 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034319.D

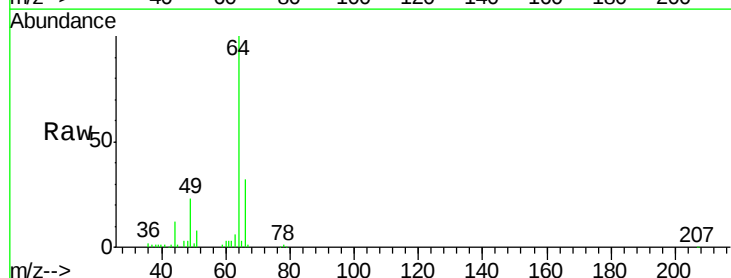
Acq: 06 Sep 2019 10:31

Tgt Ion: 64 Resp: 45684

Ion Ratio Lower Upper

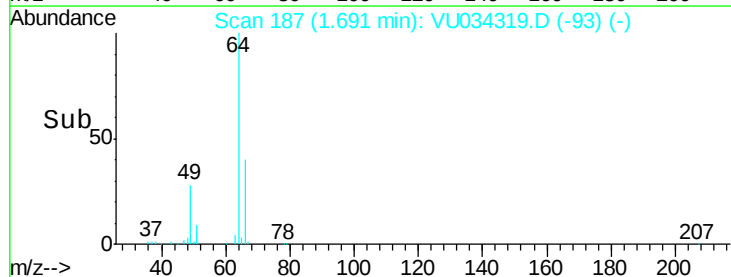
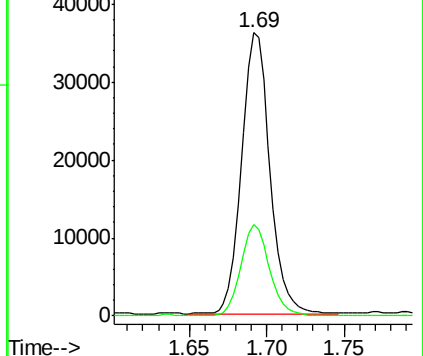
64 100

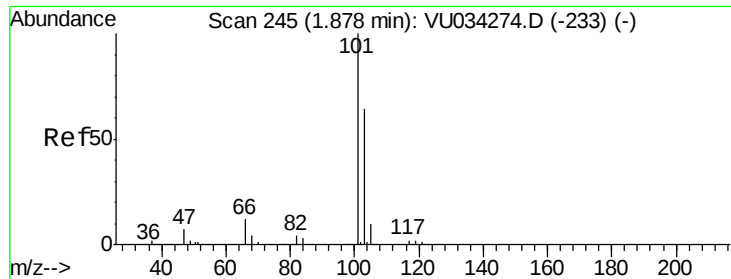
66 32.6 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034319.D (-93) (-)

Ion 65.90 (65.60 to 66.60): VU034319.D (-93) (-)





#7

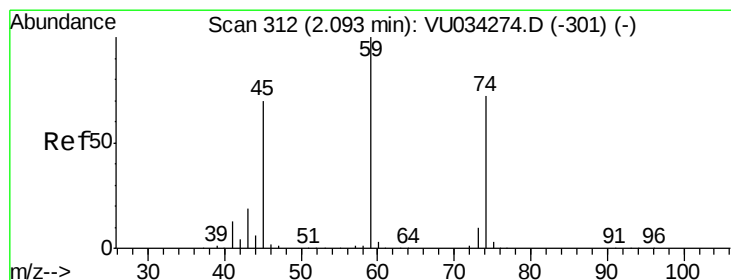
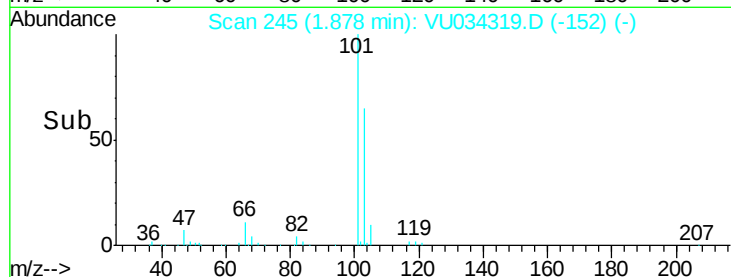
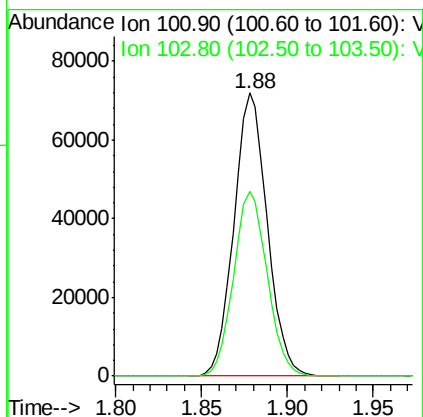
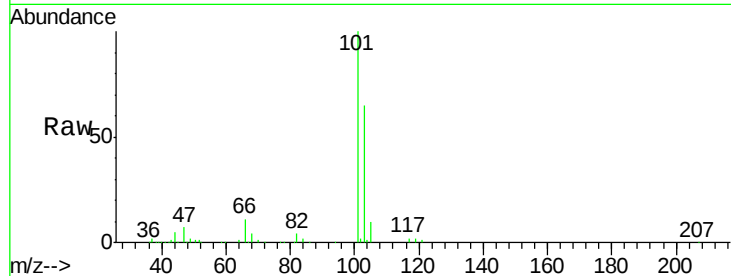
Trichlorofluoromethane
 Concen: 19.200 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

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 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.0	76.6

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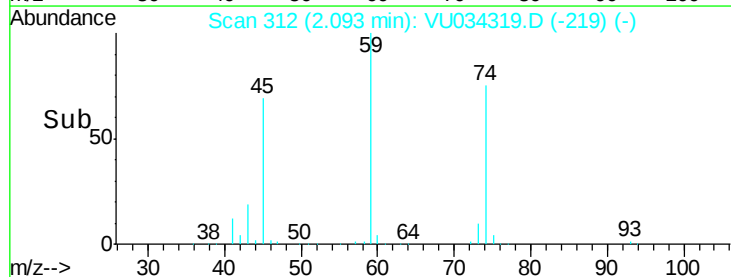
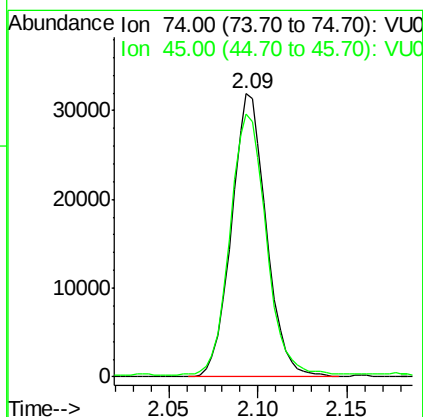
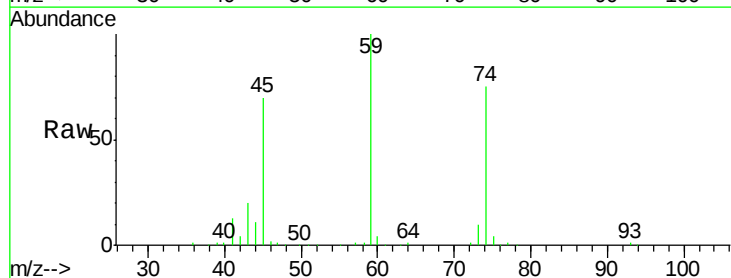
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 9/10/2019 10:48:40 AM



#8

Diethyl Ether
 Concen: 19.491 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.304 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

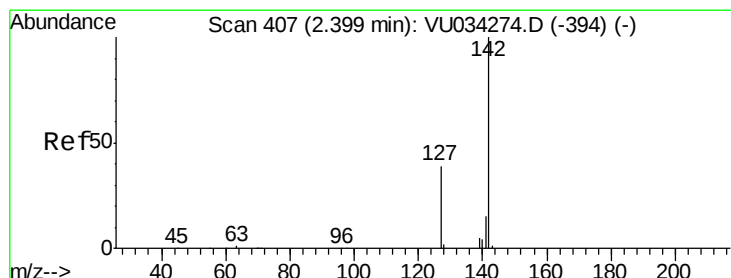
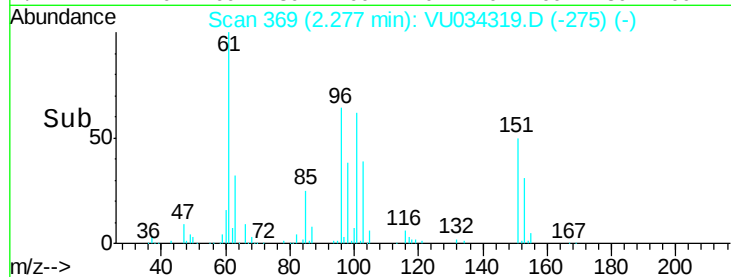
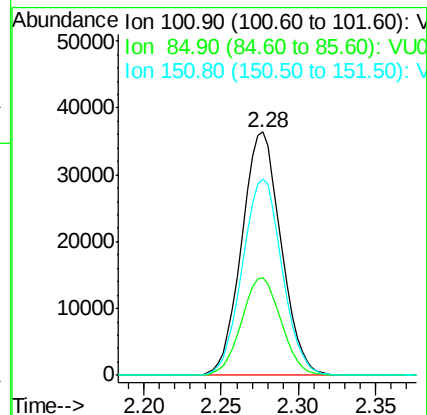
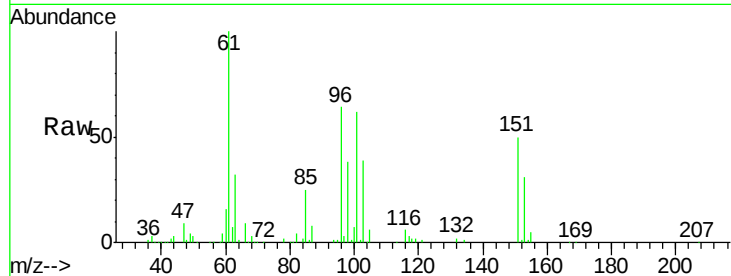
ClientSampleId :

VU0907WBS01

Tot Ion:	101	Resp:	64439
Ion Ratio	Lower	Upper	
101	100		
85	40.2	34.4	51.6
151	81.5	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 16.427 ug/l

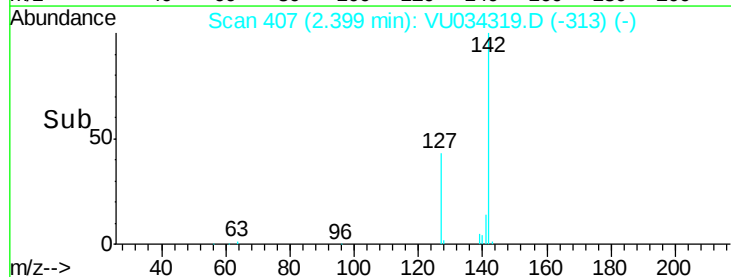
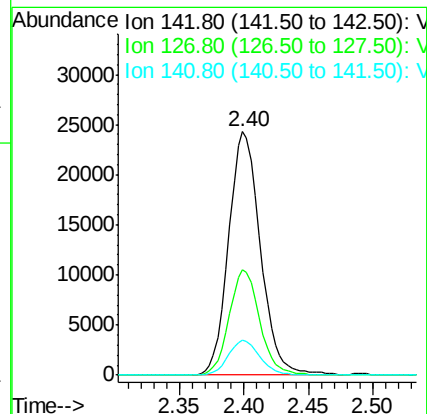
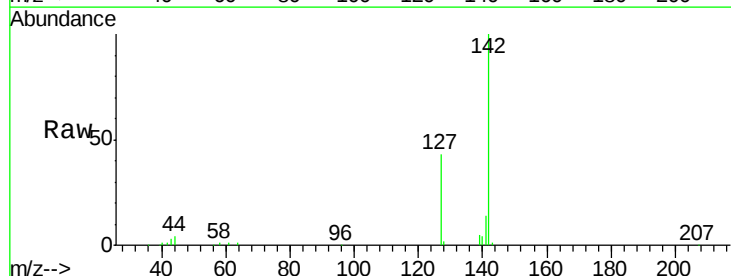
RT: 2.40 min Scan# 407

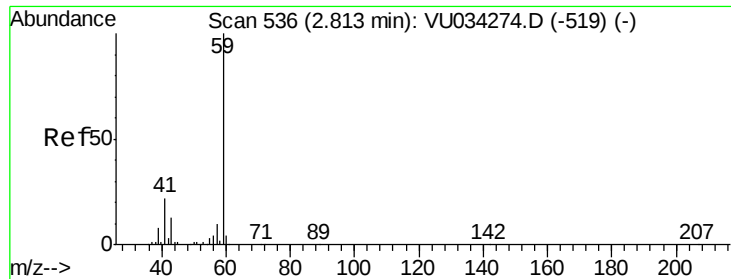
Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion:	142	Resp:	41625
Ion Ratio	Lower	Upper	
142	100		
127	41.3	32.1	48.1
141	14.0	11.5	17.3





#11

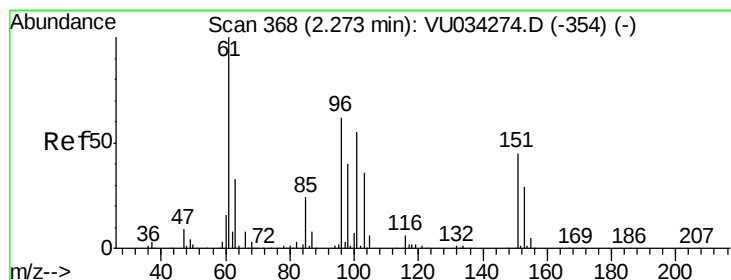
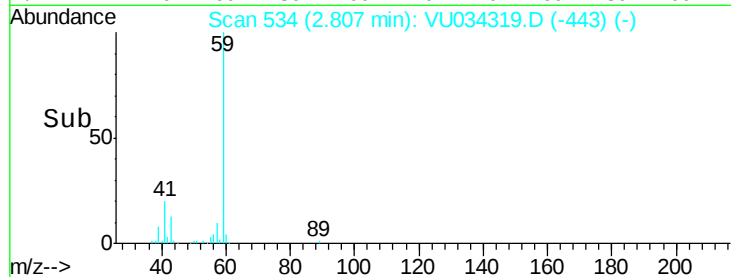
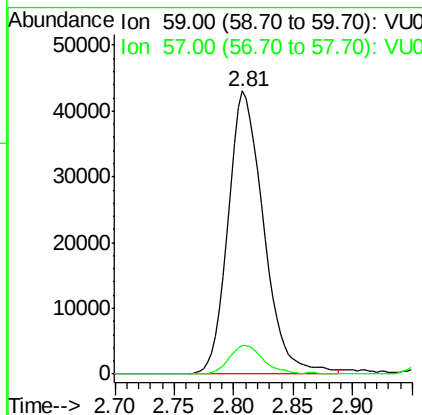
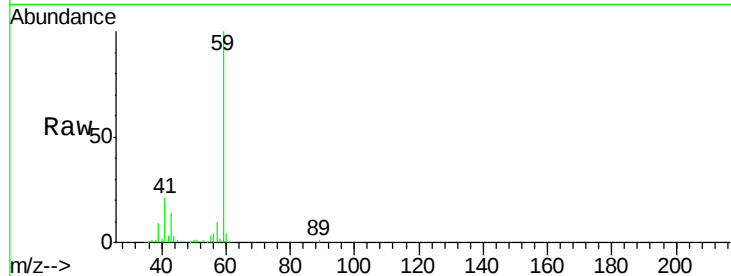
Tert butyl alcohol
 Concen: 96.913 ug/l
 RT: 2.81 min Scan# 534
 Delta R.T. -0.01 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	7.9	11.9

Manual Integrations
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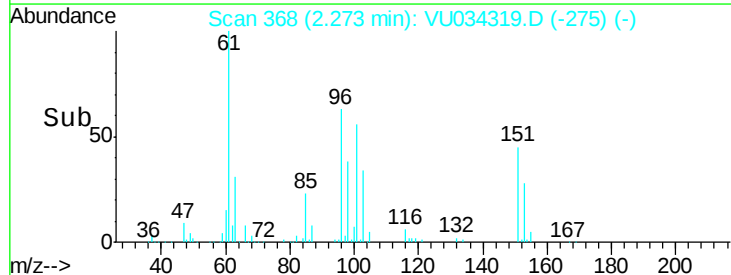
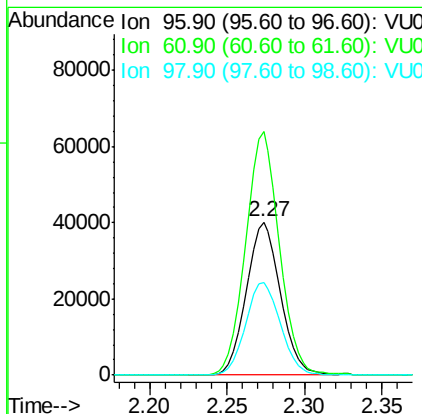
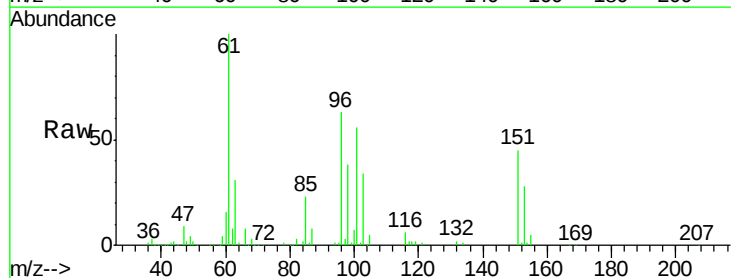
MMDadoda
 9/10/2019 10:48:40 AM

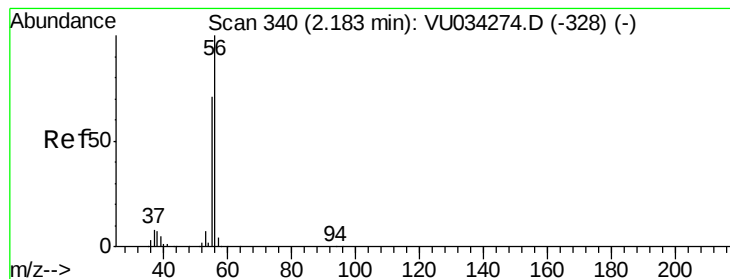


#12

1,1-Dichloroethene
 Concen: 19.637 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	130.0	195.0
98	60.4	52.2	78.4





#13

Acrolein

Concen: 76.669 ug/l

RT: 2.18 min Scan# 340

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 56 Resp: 59410

Ion Ratio Lower Upper

56 100

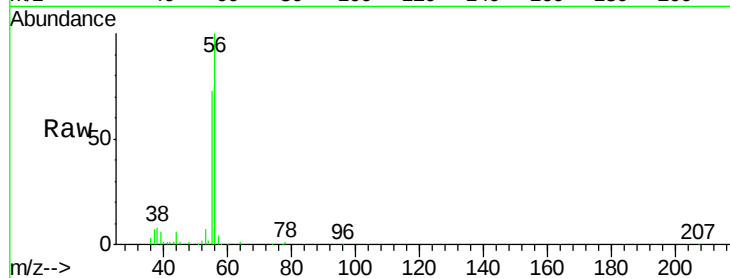
55 72.5 57.4 86.2

Manual Integrations

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

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)

2.18

40000

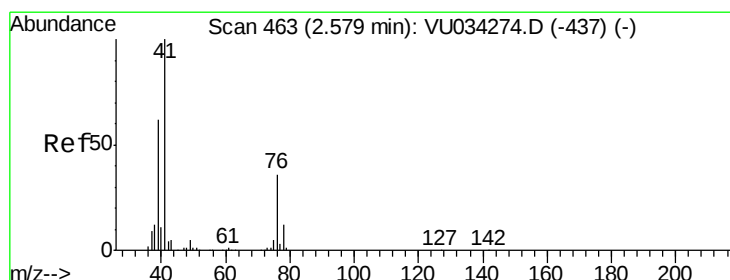
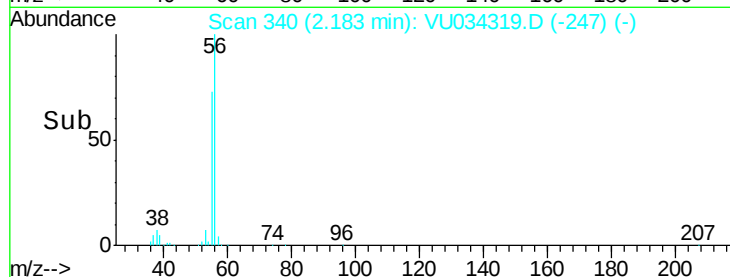
30000

20000

10000

0

Time--> 2.10 2.15 2.20 2.25



#14

Allyl chloride

Concen: 16.310 ug/l

RT: 2.58 min Scan# 463

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

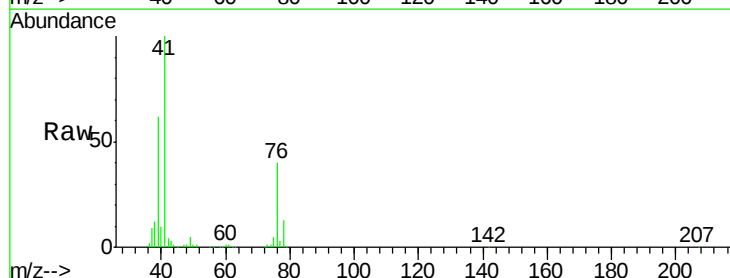
Tgt Ion: 41 Resp: 97853

Ion Ratio Lower Upper

41 100

39 61.8 43.5 65.3

76 39.9 27.0 40.6



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

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)

2.58

80000

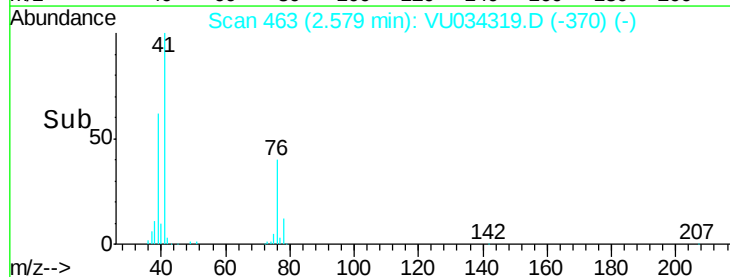
60000

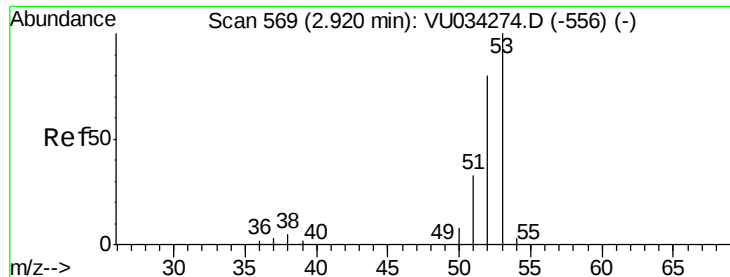
40000

20000

0

Time--> 2.55 2.60 2.65





#15

Acrylonitrile

Concen: 100.994 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

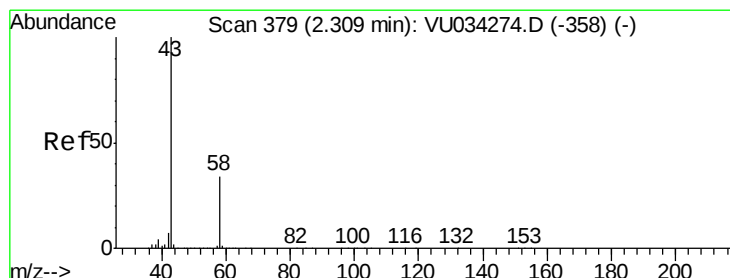
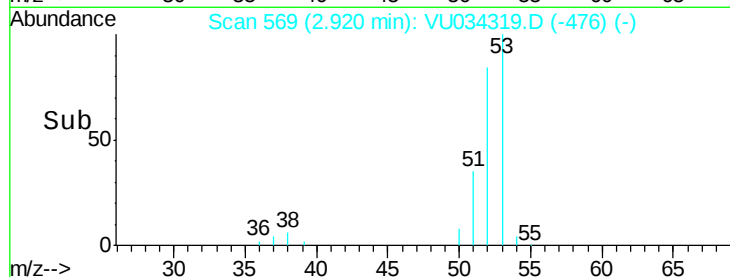
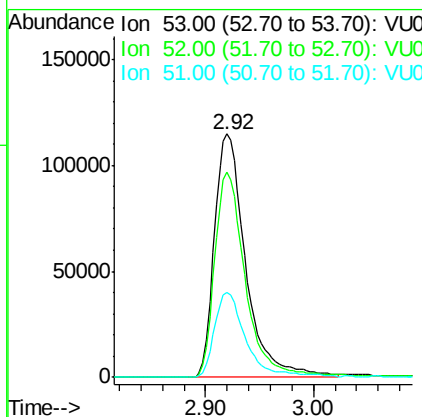
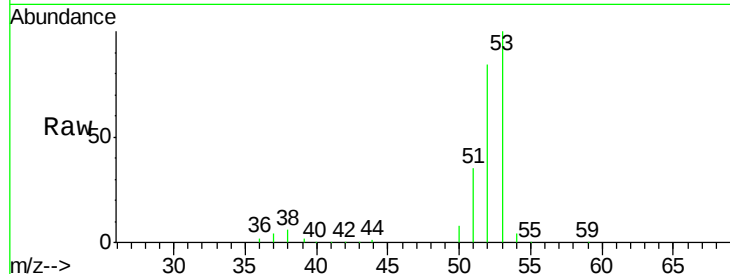
ClientSampleId :

VU0907WBS01

Tot Ion:	53	Resp:	231870
Ion	Ratio	Lower	Upper
53	100		
52	83.1	64.1	96.1
51	35.0	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 99.084 ug/l

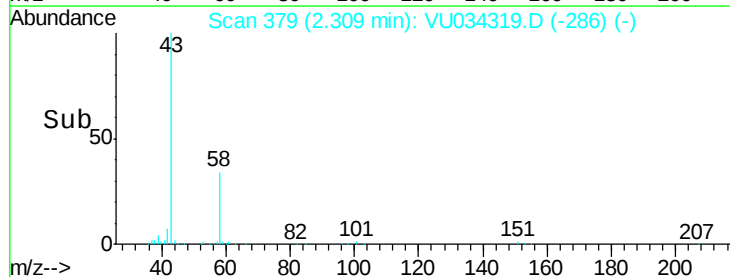
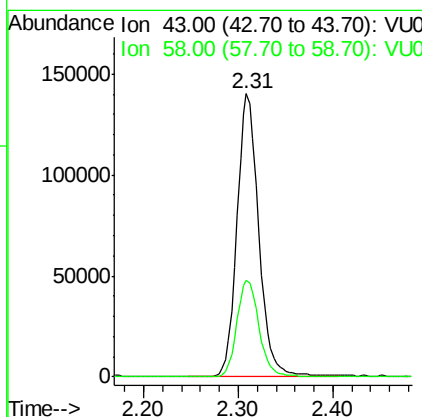
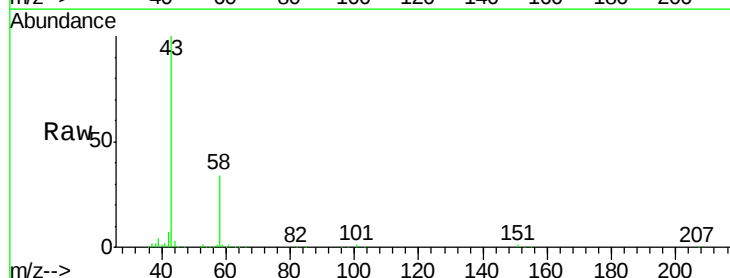
RT: 2.31 min Scan# 379

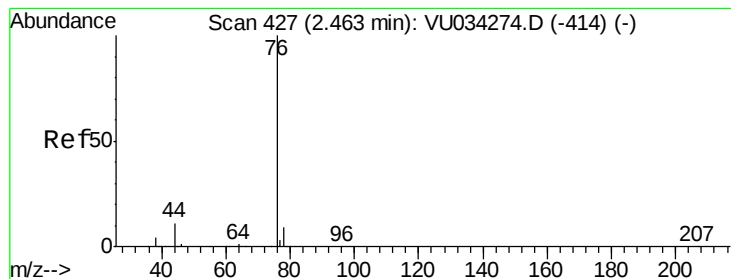
Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion:	43	Resp:	223766
Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.6	41.4





#17

Carbon Disulfide

Concen: 17.688 ug/l

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 76 Resp: 124750

Ion Ratio Lower Upper

76 100

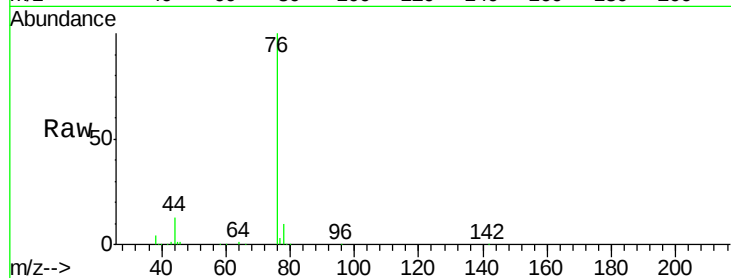
78 9.9 7.2 10.8

Manual Integrations

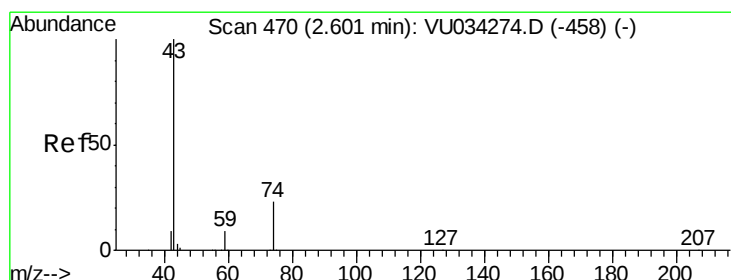
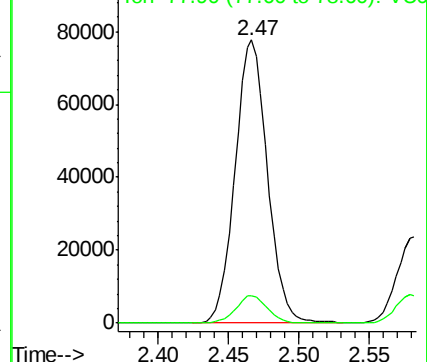
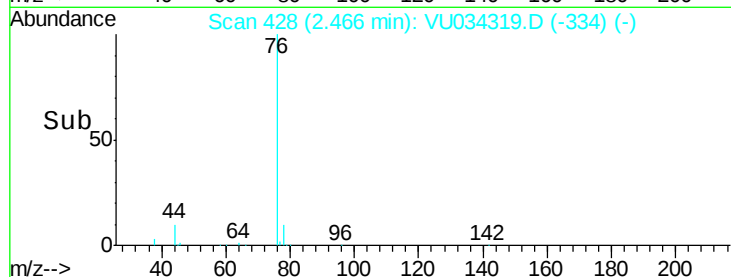
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Abundance Ion 75.90 (75.60 to 76.60): VU034319.D (-334) (-)



#18

Methyl Acetate

Concen: 18.907 ug/l

RT: 2.60 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU034319.D

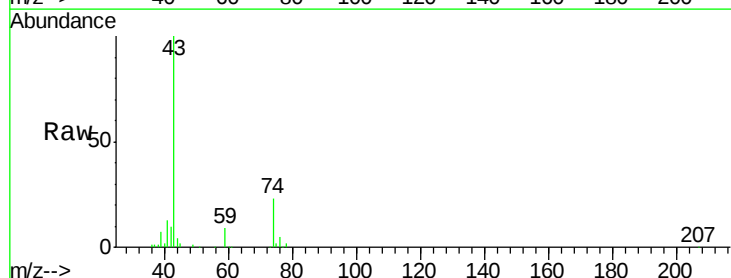
Acq: 06 Sep 2019 10:31

Tgt Ion: 43 Resp: 103894

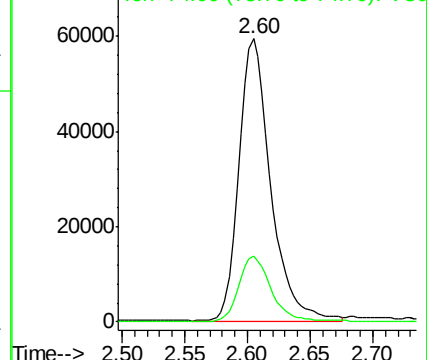
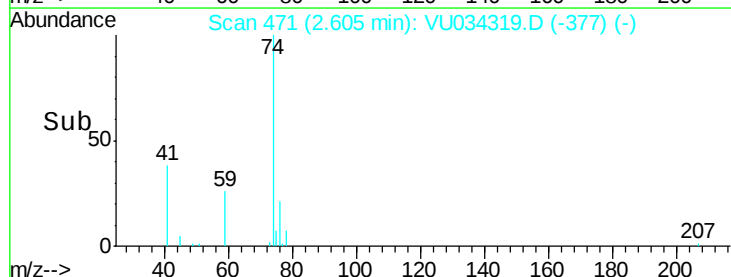
Ion Ratio Lower Upper

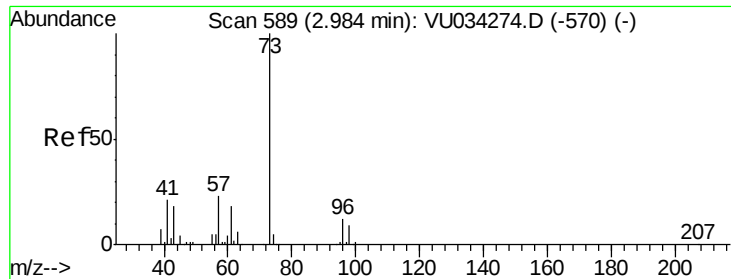
43 100

74 24.3 18.9 28.3



Abundance Ion 43.00 (42.70 to 43.70): VU034319.D (-377) (-)





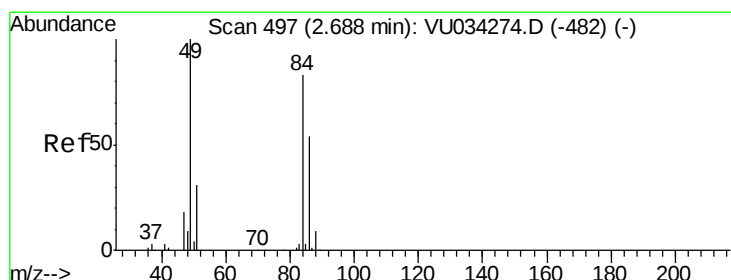
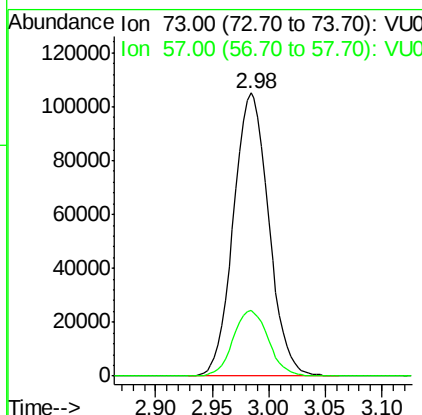
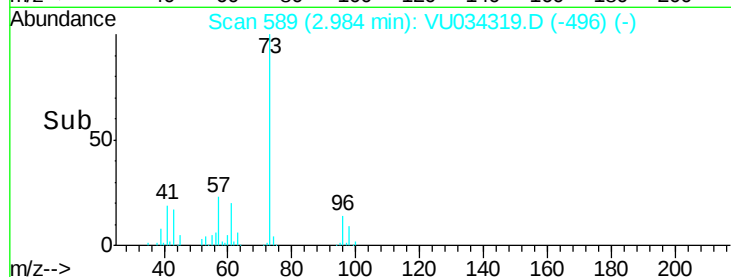
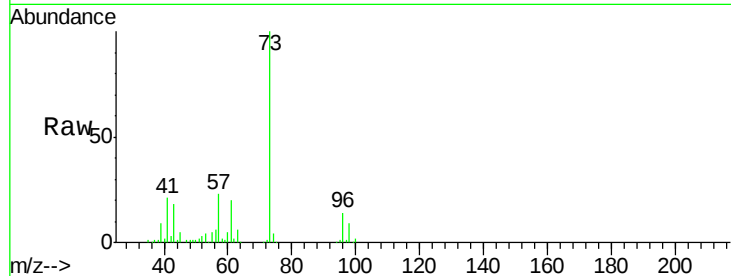
#19
Methvl tert-butvl Ether
Concen: 19.987 ug/l
RT: 2.98 min Scan# 589
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.2	27.4

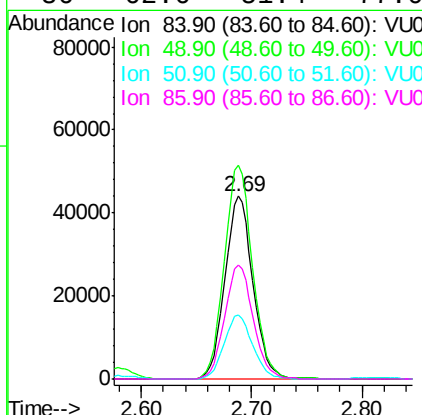
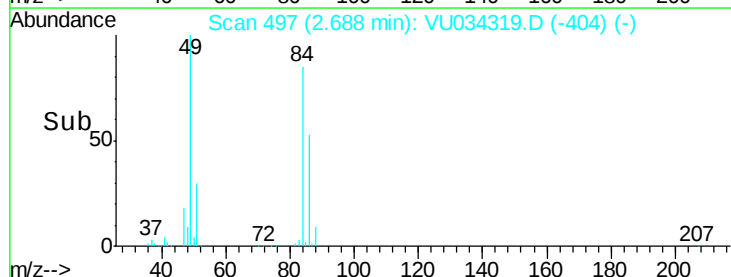
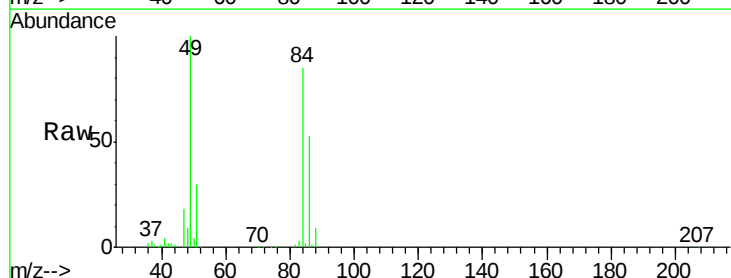
Manual Integrations
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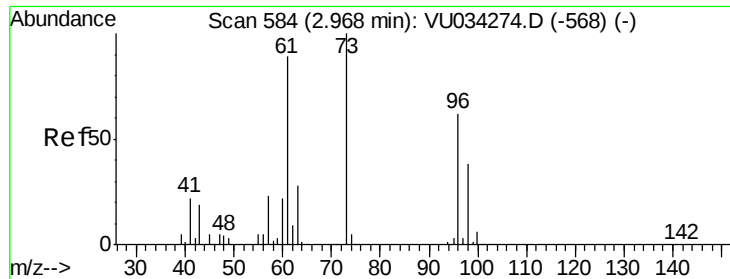
MMDadoda
9/10/2019 10:48:40 AM



#20
Methylene Chloride
Concen: 20.734 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.1	96.0	144.0
51	35.4	30.0	45.0
86	62.6	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 19.283 ug/l

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 96 Resp: 63768

Ion Ratio Lower Upper

96 100

61 138.5 114.8 172.2

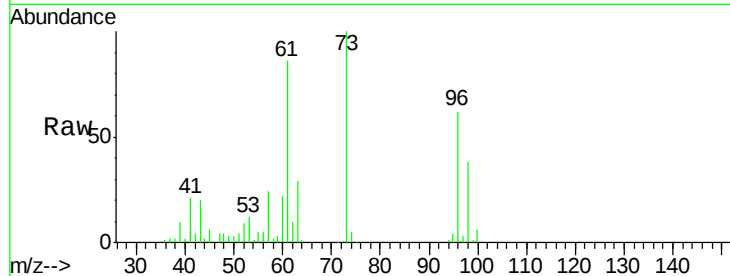
98 61.0 49.8 74.8

Manual Integrations

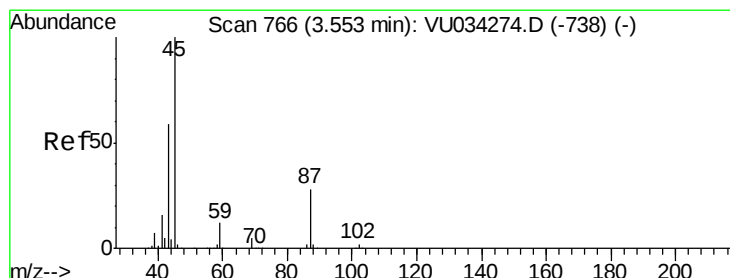
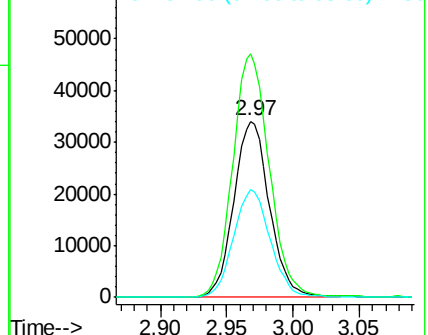
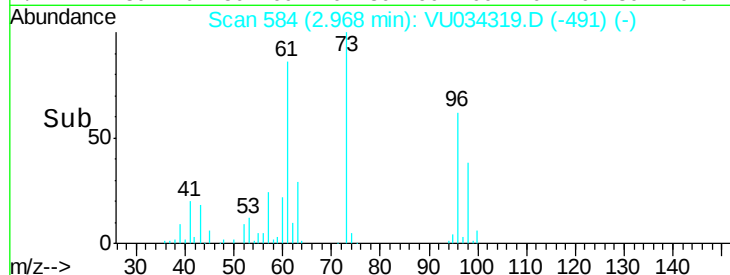
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Abundance Ion 95.90 (95.60 to 96.60): VU034319.D (-491) (-)



#22

Diisopropyl ether

Concen: 20.735 ug/l

RT: 3.55 min Scan# 765

Delta R.T. -0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion: 45 Resp: 242597

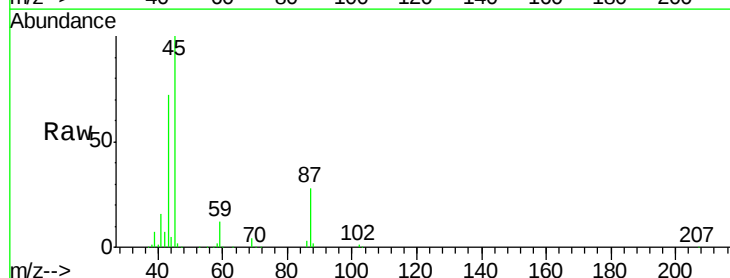
Ion Ratio Lower Upper

45 100

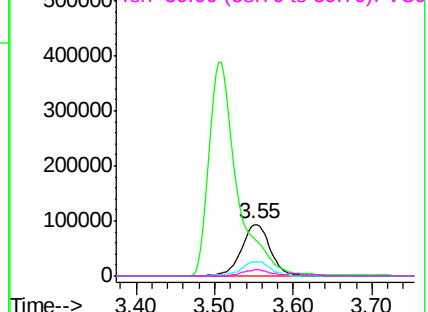
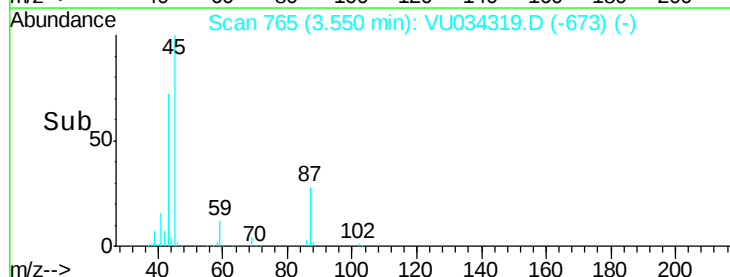
43 72.0 47.5 71.3#

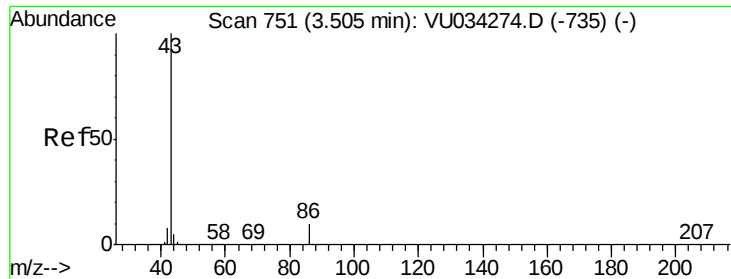
87 27.7 22.2 33.4

59 11.8 9.4 14.2



Abundance Ion 45.00 (44.70 to 45.70): VU034319.D (-673) (-)





#23

Vinyl Acetate

Concen: 100.787 ug/l

RT: 3.50 min Scan# 751

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 43 Resp: 960519

Ion Ratio Lower Upper

43 100

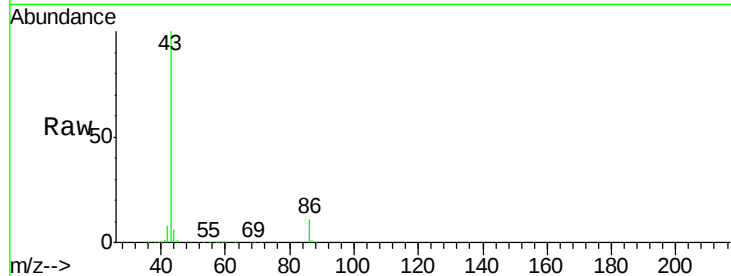
86 10.8 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034319.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034319.D (-658) (-)

3.50

400000

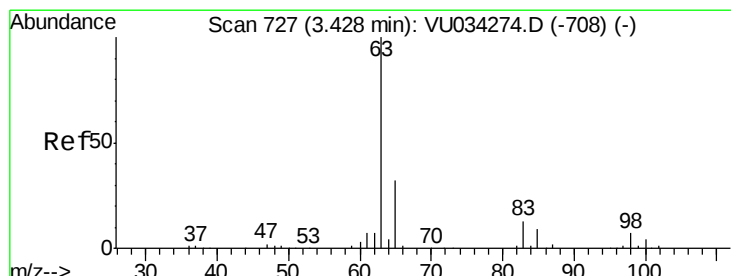
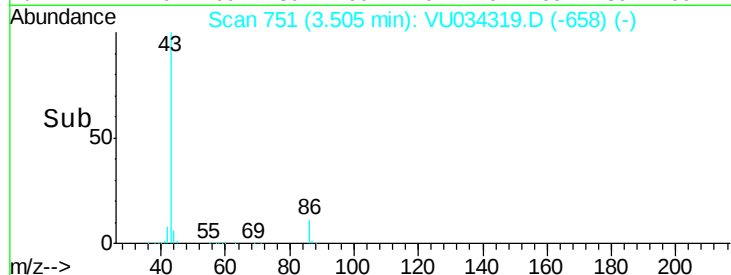
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.277 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

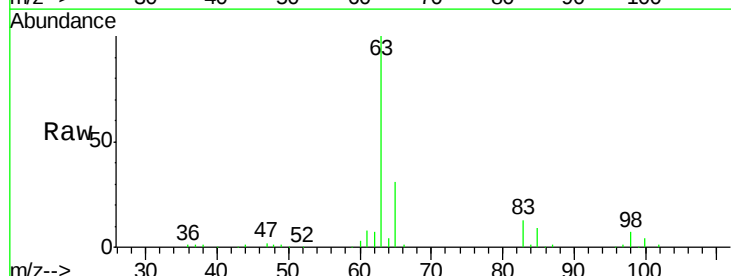
Tgt Ion: 63 Resp: 134686

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034319.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034319.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034319.D (-634) (-)

80000

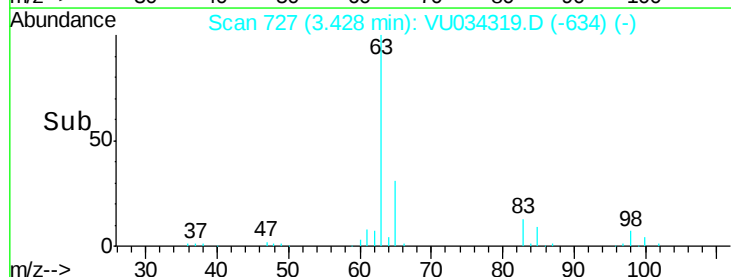
60000

40000

20000

0

Time-->





#25

2-Butanone

Concen: 102.368 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 43 Resp: 308596

Ion Ratio Lower Upper

43 100

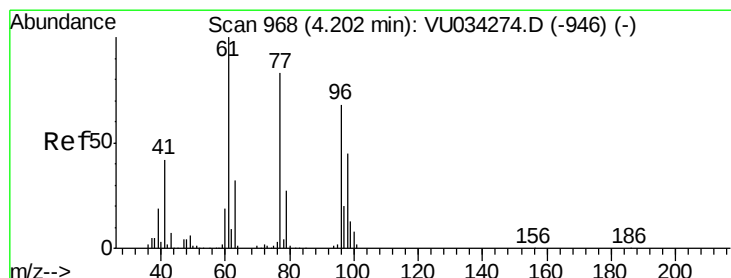
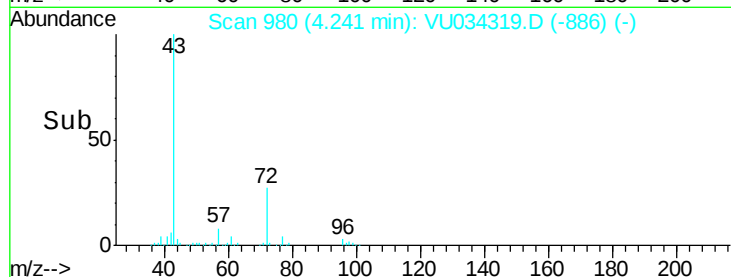
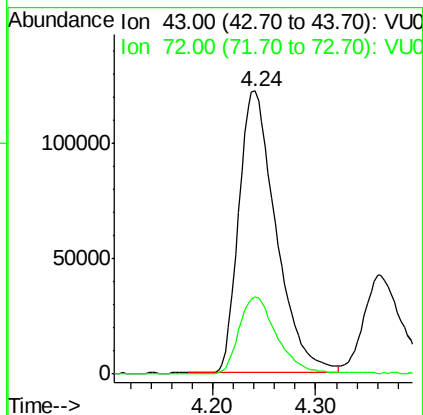
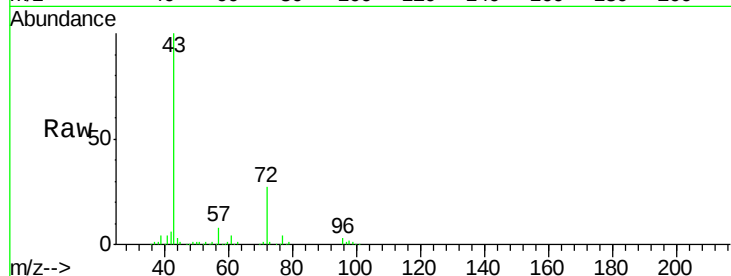
72 27.3 21.8 32.6

Manual Integrations

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MMDadoda

9/10/2019 10:48:40 AM



#26

2,2-Dichloropropane

Concen: 19.657 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034319.D

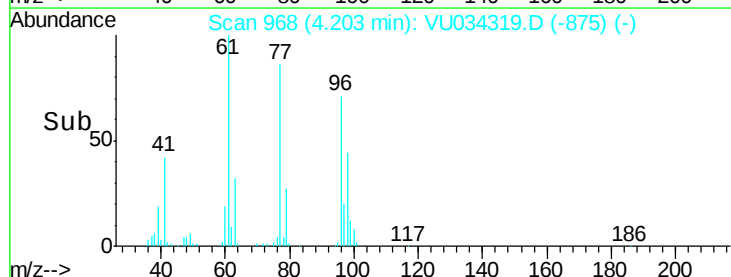
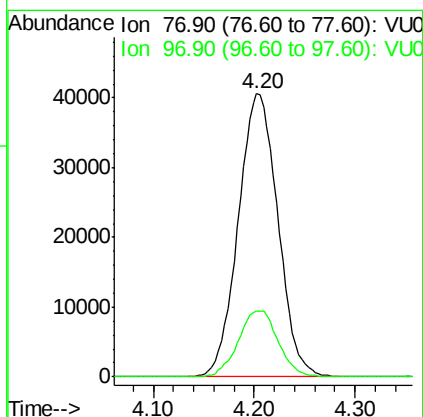
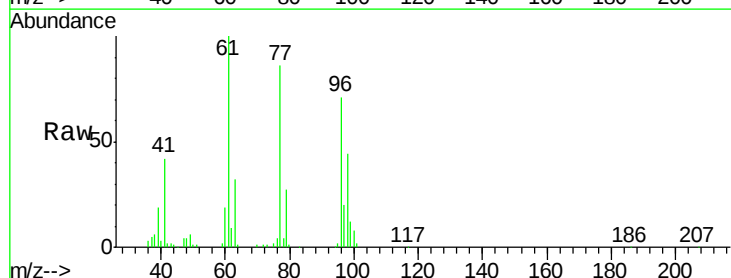
Acq: 06 Sep 2019 10:31

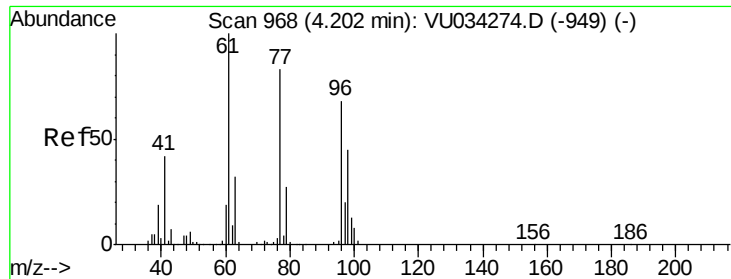
Tgt Ion: 77 Resp: 110461

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

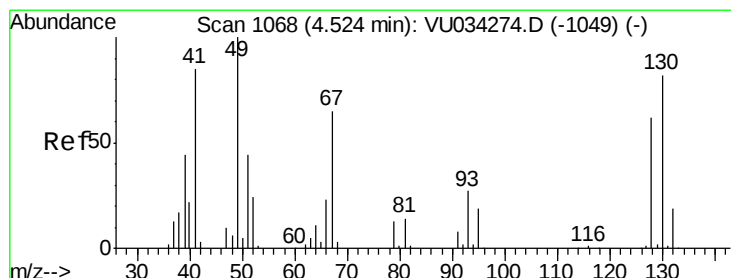
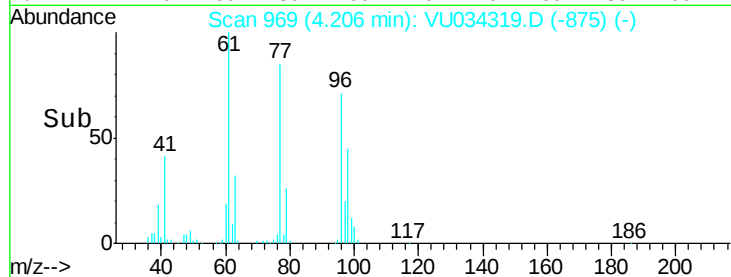
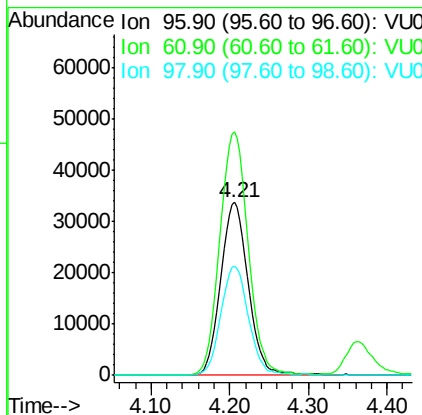
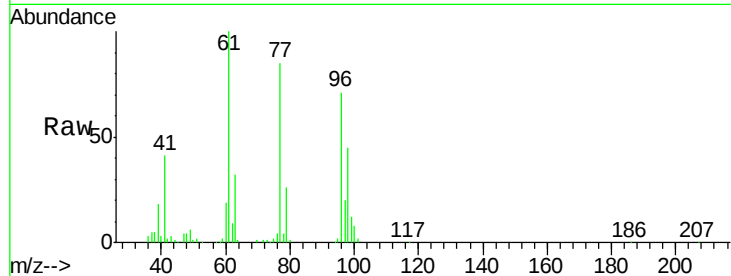
cis-1,2-Dichloroethene
 Concen: 20.410 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.4	0.0	297.4
98	63.0	0.0	130.0

Manual Integrations
 APPROVED

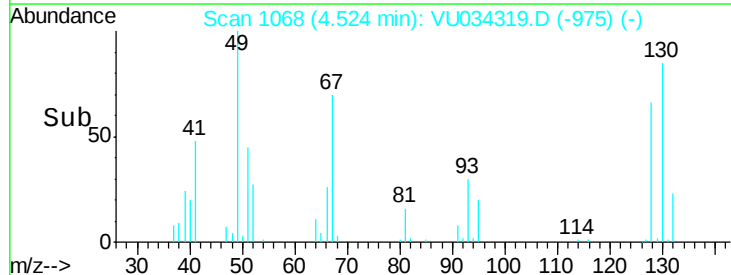
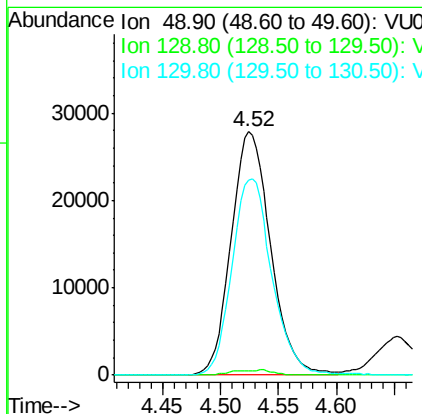
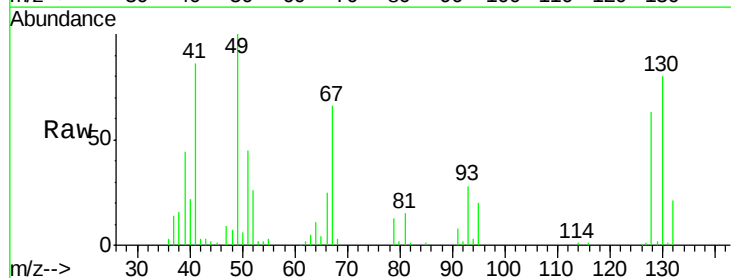
MMDadoda
 9/10/2019 10:48:40 AM

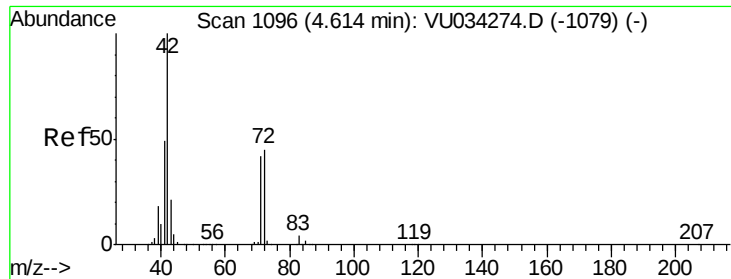


#28

Bromochloromethane
 Concen: 20.479 ug/l
 RT: 4.52 min Scan# 1068
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	81.7	65.2	97.8





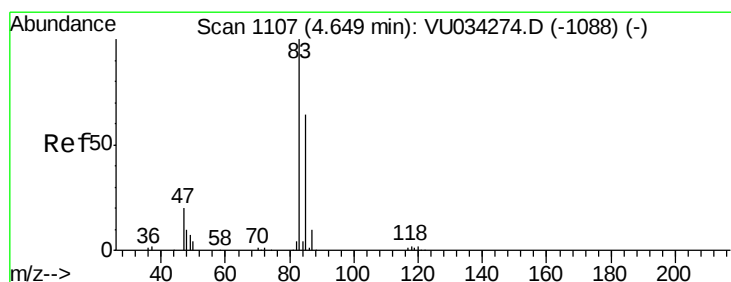
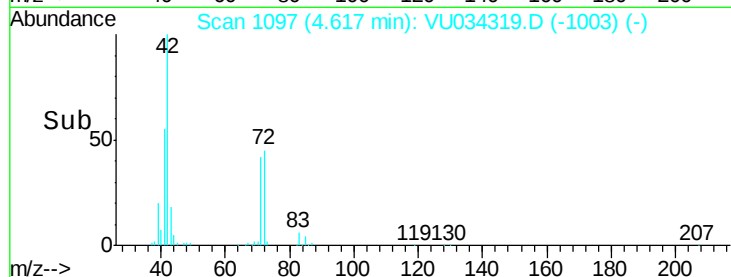
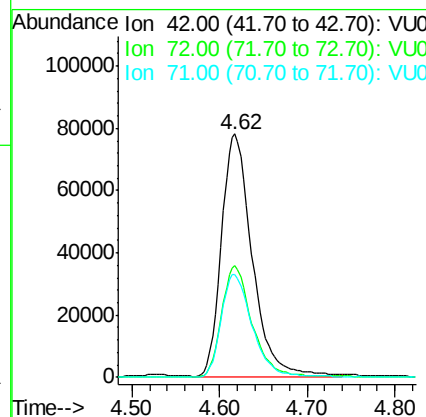
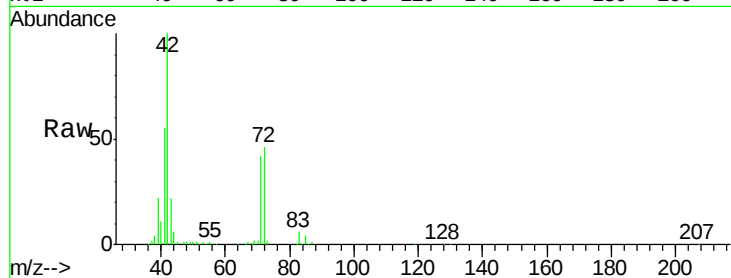
#29
Tetrahydrofuran
Concen: 103.333 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.0	36.6	54.8
71	42.8	34.3	51.5

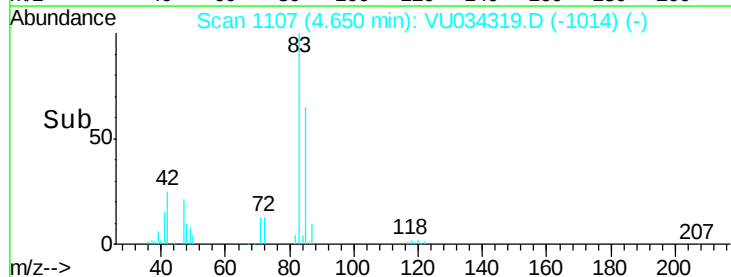
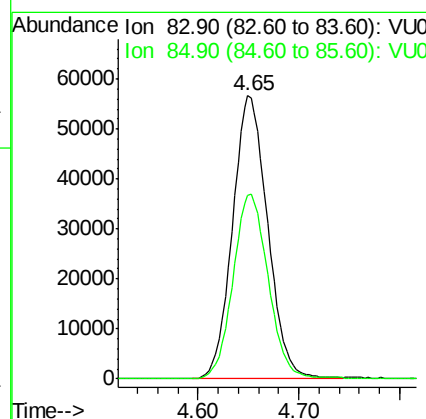
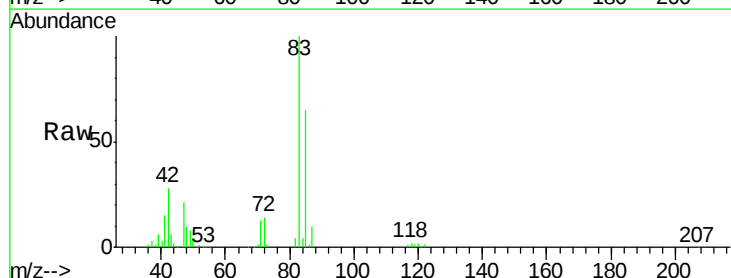
Manual Integrations
APPROVED

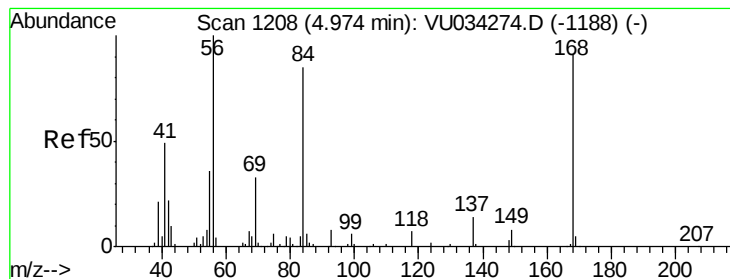
MMDadoda
9/10/2019 10:48:40 AM



#30
Chloroform
Concen: 19.294 ug/l
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





#31

Cyclohexane

Concen: 19.384 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

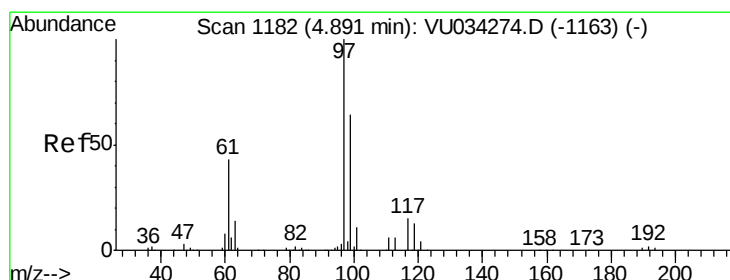
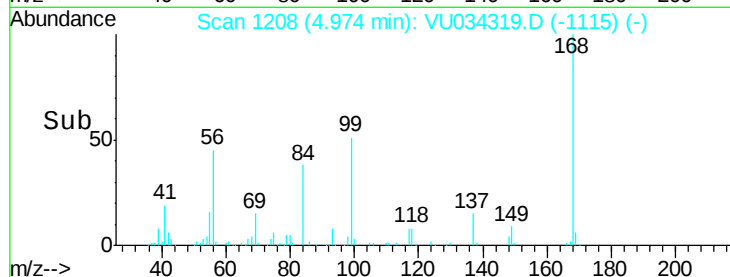
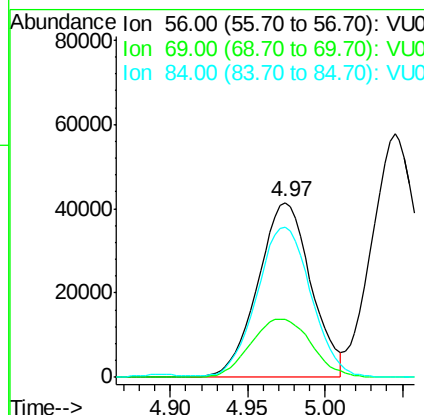
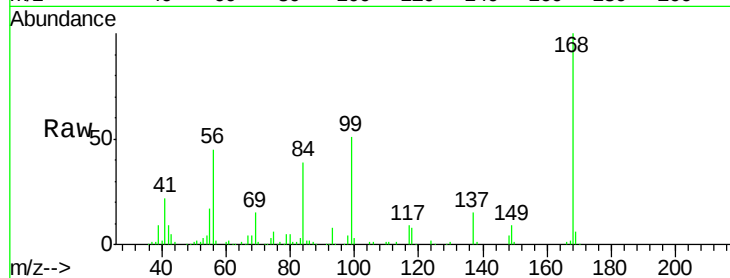
ClientSampleId :

VU0907WBS01

Tot Ion:	56	Resp:	99082
Ion Ratio	Lower	Upper	
56	100		
69	32.9	26.7	40.1
84	85.1	68.2	102.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.445 ug/l

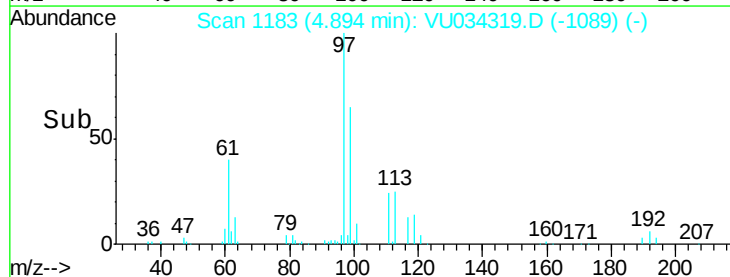
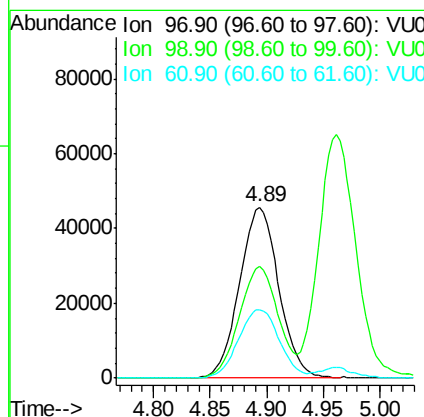
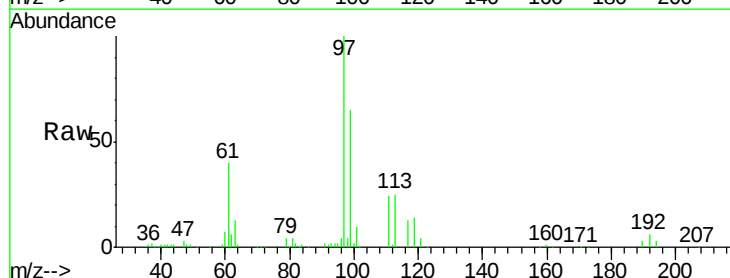
RT: 4.89 min Scan# 1183

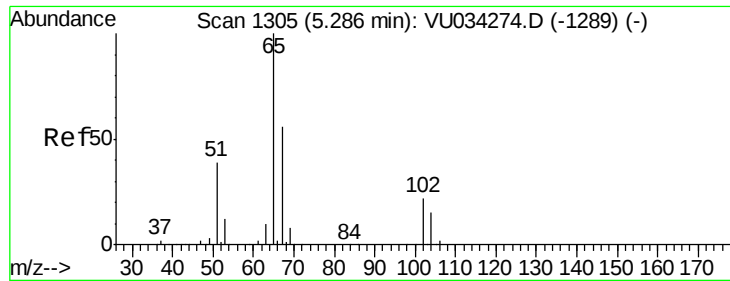
Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion:	97	Resp:	110416
Ion Ratio	Lower	Upper	
97	100		
99	64.8	50.9	76.3
61	41.7	34.7	52.1





#33

1,2-Dichloroethane-d4

Concen: 51.523 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 65 Resp: 224848

Ion Ratio Lower Upper

65 100

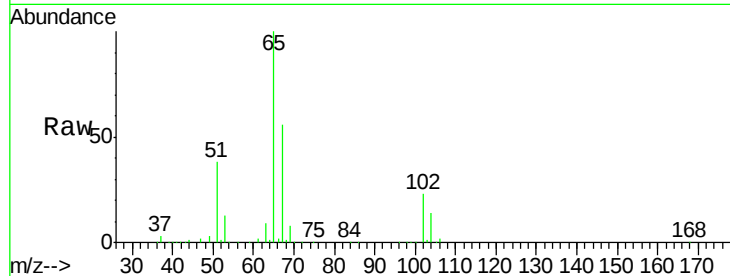
67 56.4 0.0 112.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU034319.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034319.D (-1212) (-)

5.29

120000

100000

80000

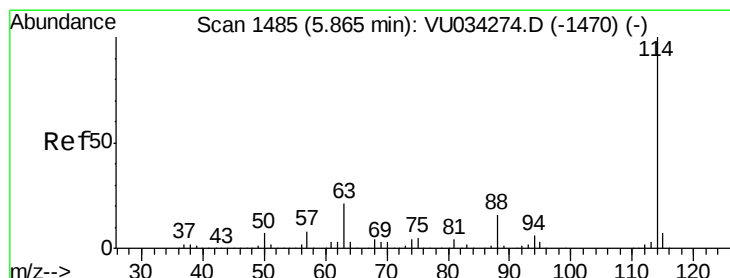
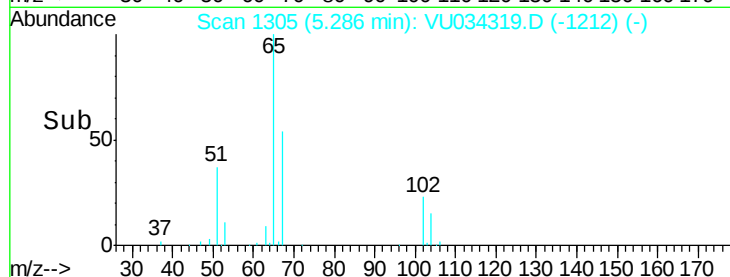
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

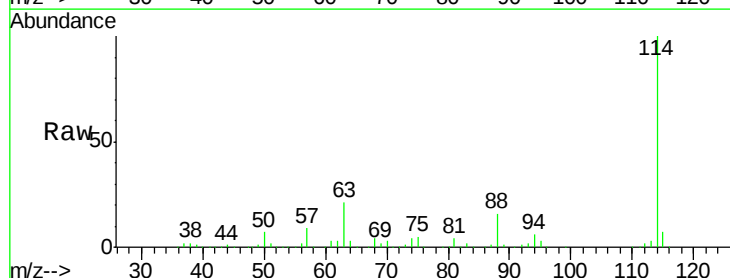
Tgt Ion: 114 Resp: 424198

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.4

88 15.8 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034319.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034319.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034319.D (-1392) (-)

250000

200000

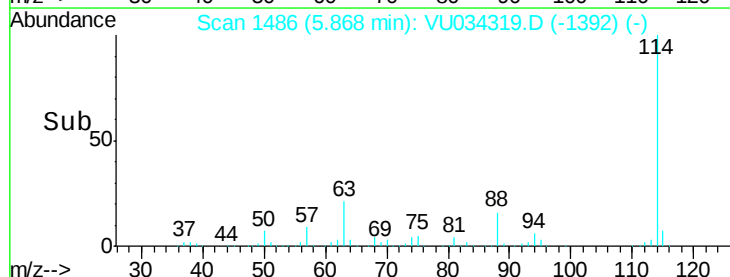
150000

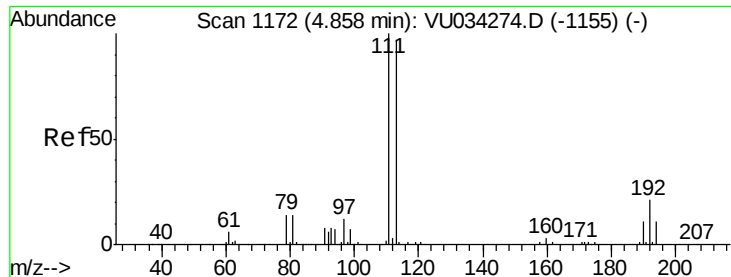
100000

50000

0

Time-->





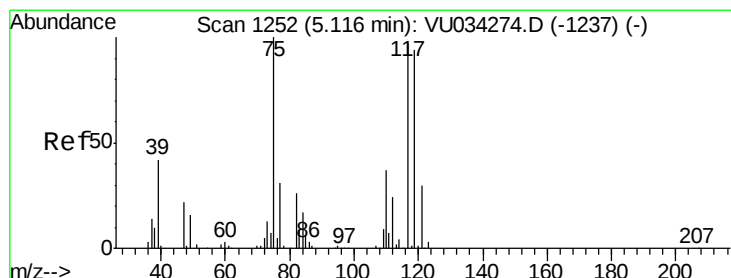
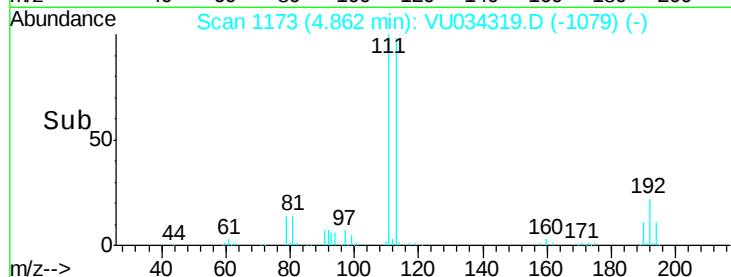
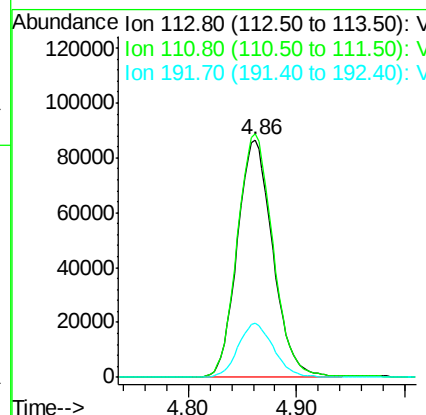
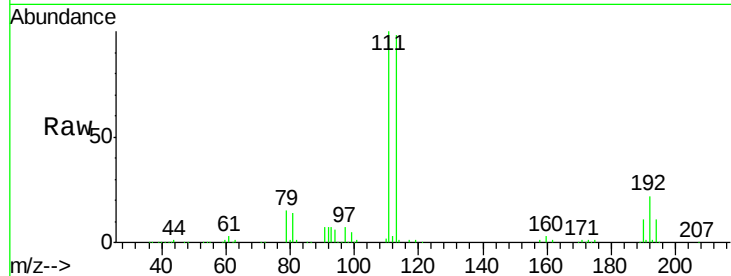
#35
 Dibromofluoromethane
 Concen: 50.337 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198689		
111	102.5	81.5	122.3	
192	22.5	17.8	26.8	

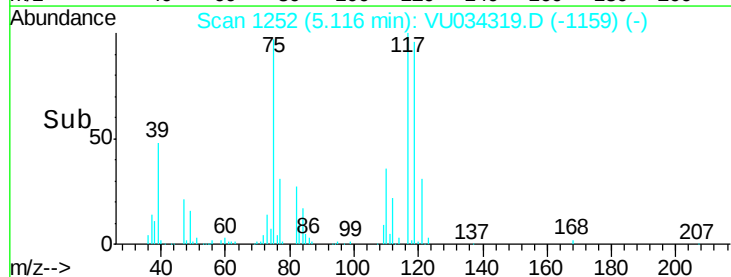
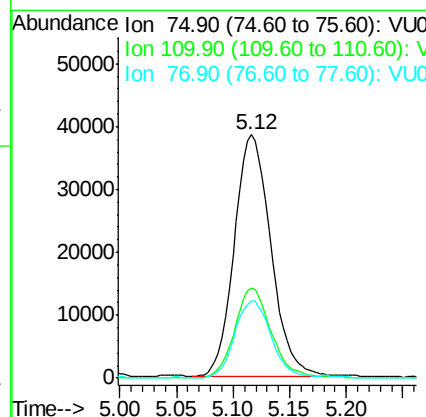
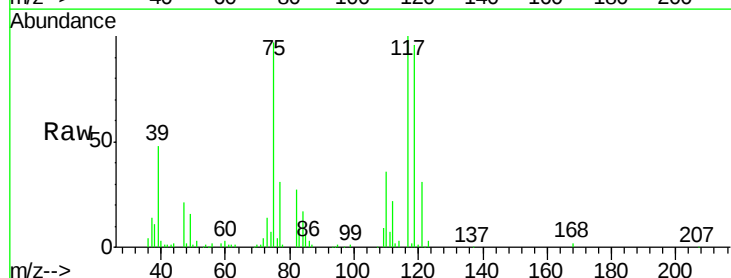
Manual Integrations
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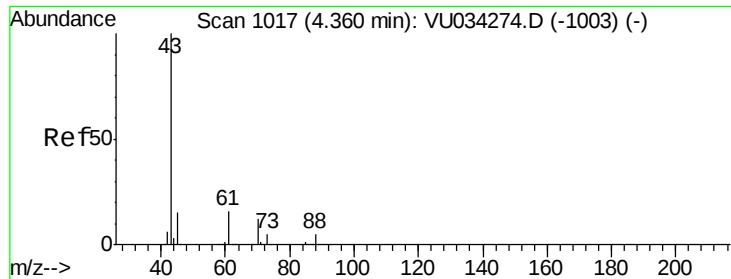
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#36
 1,1-Dichloropropene
 Concen: 18.768 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	86344		
110	37.1	18.3	54.9	
77	32.1	24.9	37.3	





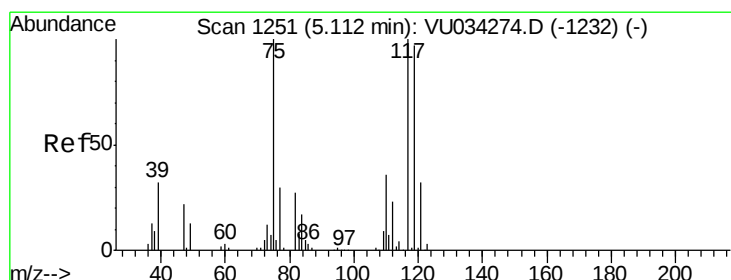
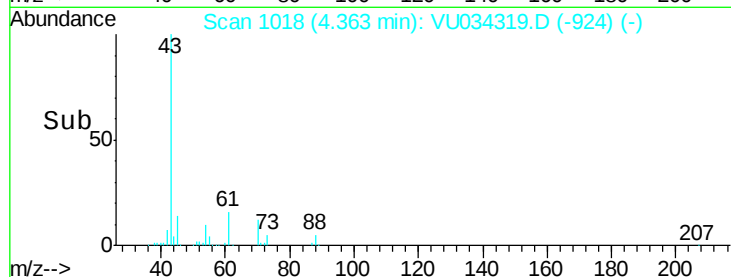
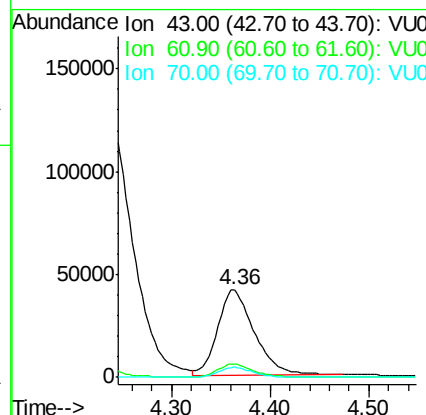
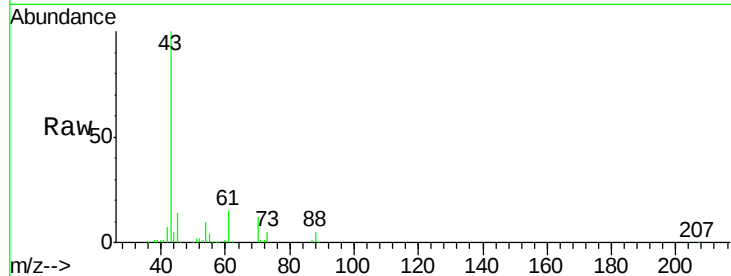
#37
Ethyl Acetate
Concen: 19.833 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	12.3	18.5
70	11.3	9.1	13.7

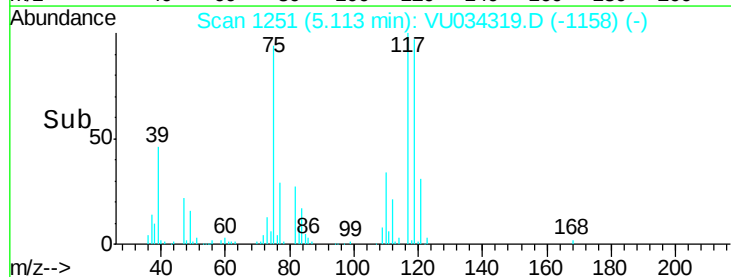
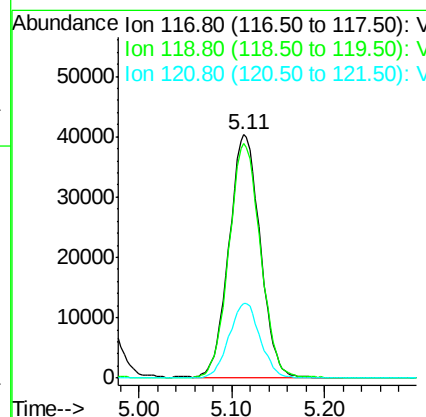
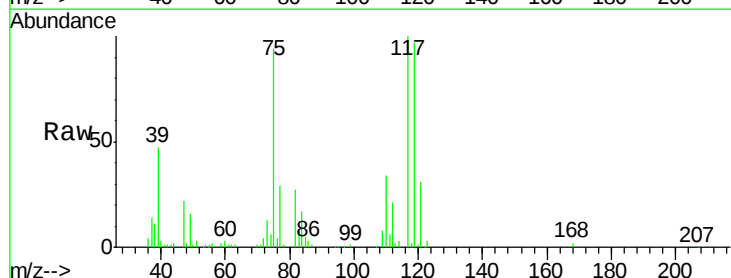
Manual Integrations
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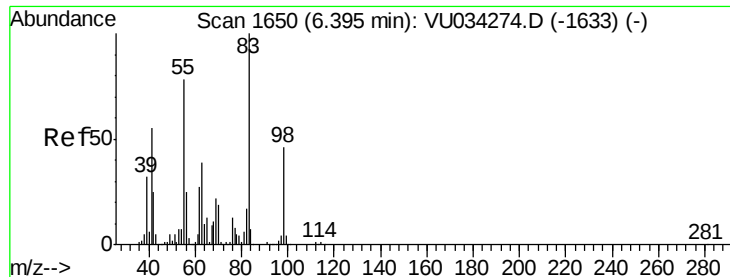
MMDadoda
9/10/2019 10:48:40 AM



#38
Carbon Tetrachloride
Concen: 19.241 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.6
121	30.6	25.2	37.8





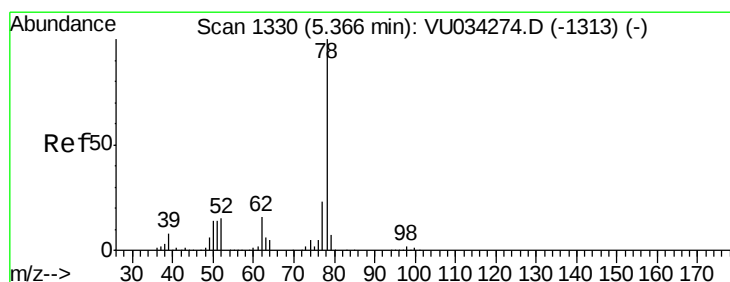
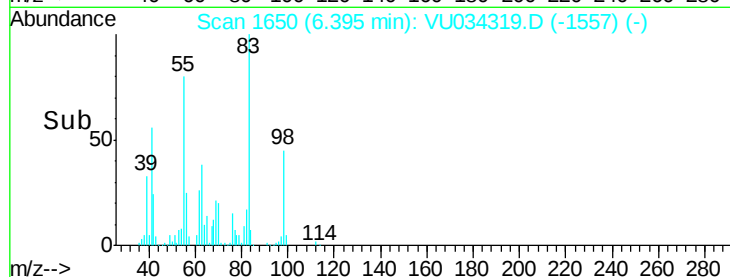
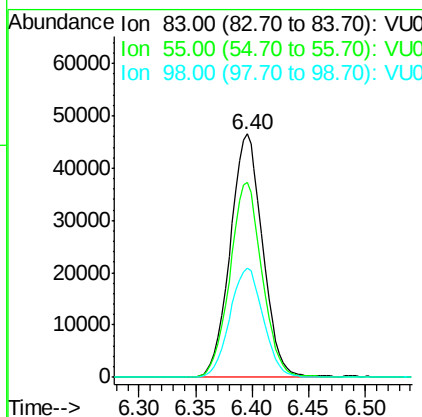
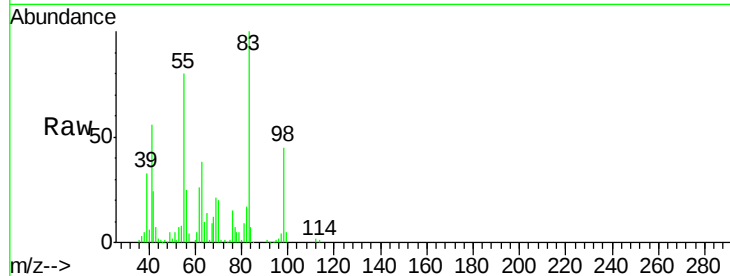
#39
Methvlcvclohexane
Concen: 18.897 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.1	62.1	93.1
98	45.1	37.0	55.6

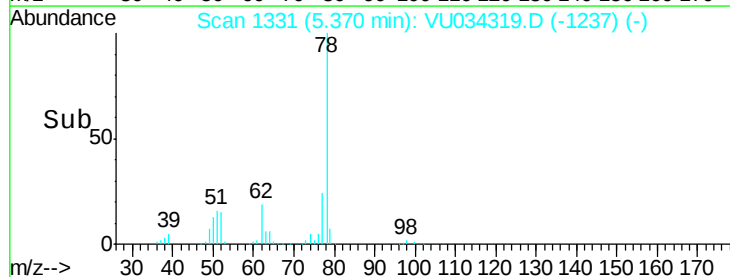
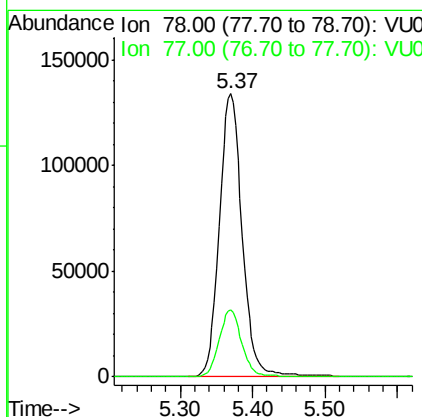
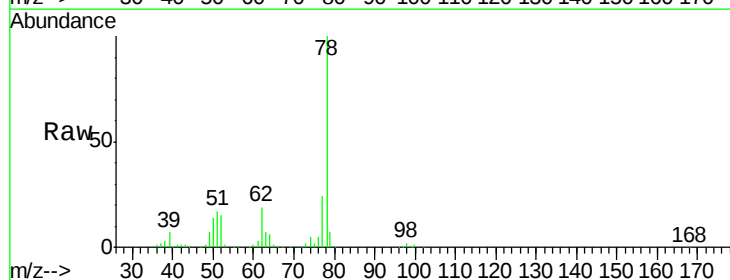
Manual Integrations
APPROVED

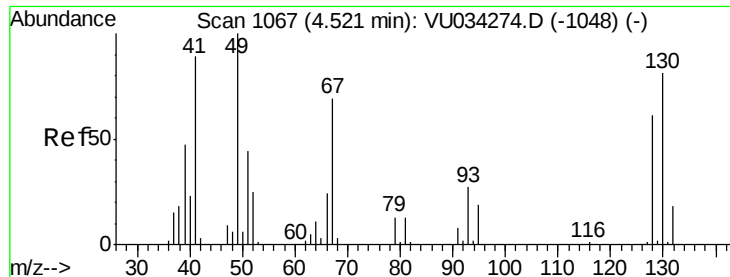
MMDadoda
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#40
Benzene
Concen: 19.757 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





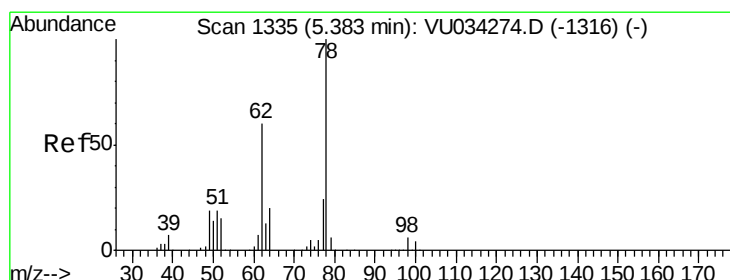
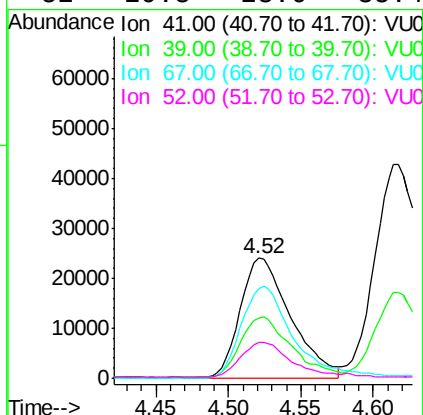
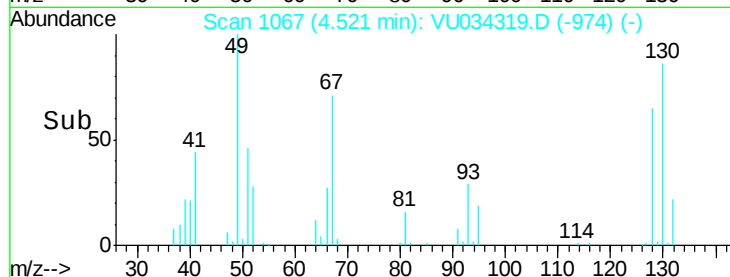
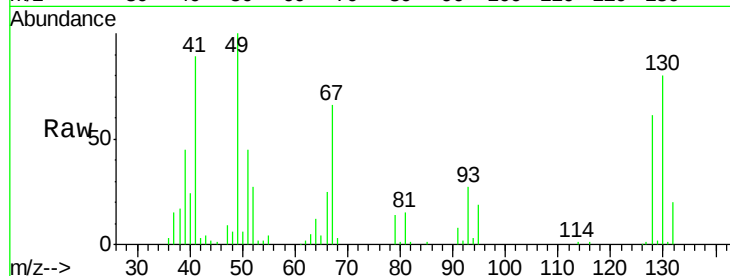
#41
Methacrylonitrile
Concen: 19.919 ug/l
RT: 4.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.4	41.0	61.4	
67	80.0	62.4	93.6	
52	29.8	23.6	35.4	

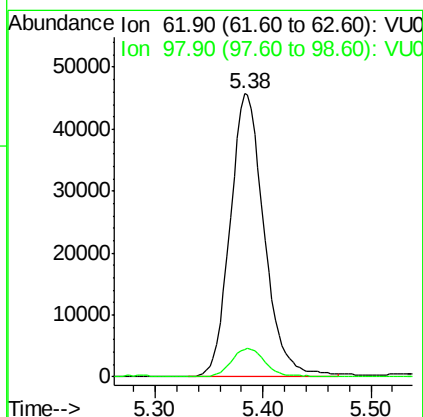
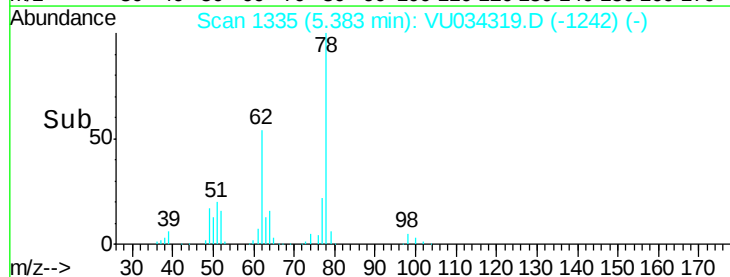
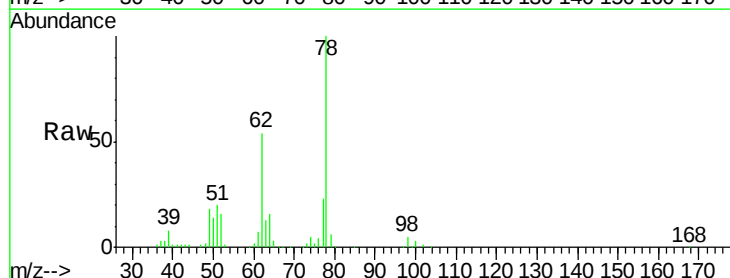
Manual Integrations
APPROVED

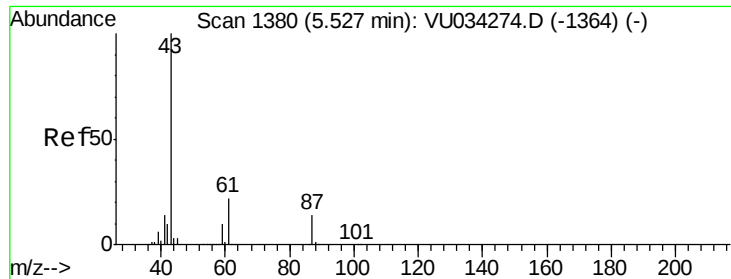
MMDadoda
9/10/2019 10:48:40 AM



#42
1,2-Dichloroethane
Concen: 19.538 ug/l
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

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





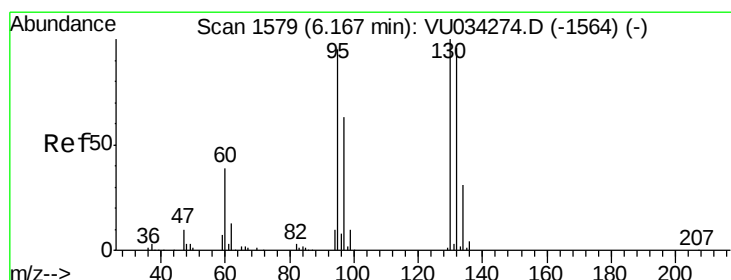
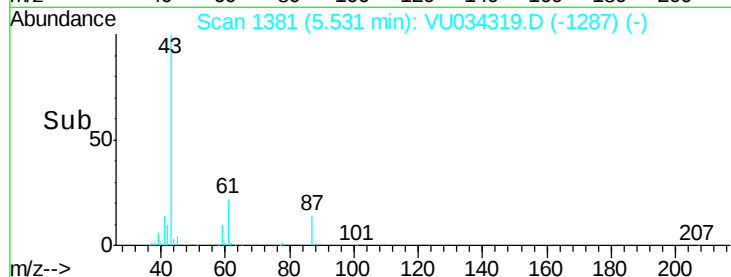
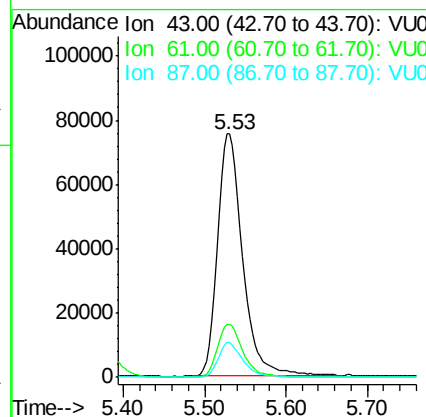
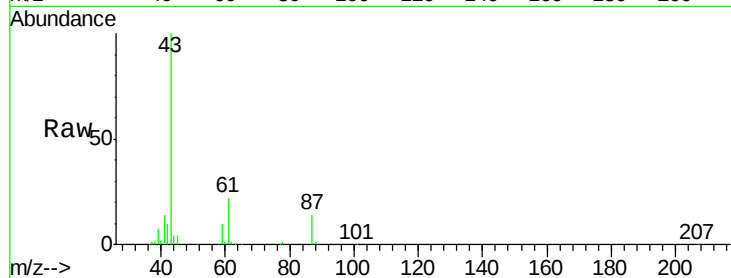
#43
Isopropyl Acetate
Concen: 19.504 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.2	17.1	25.7
87	14.0	11.1	16.7

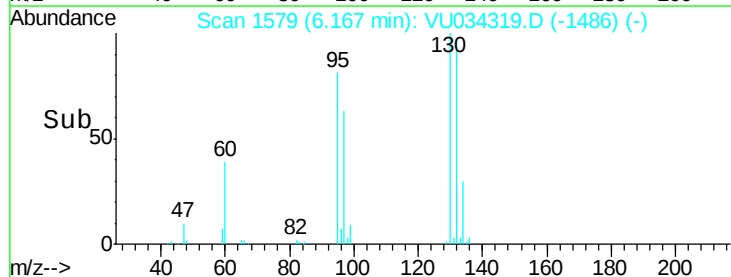
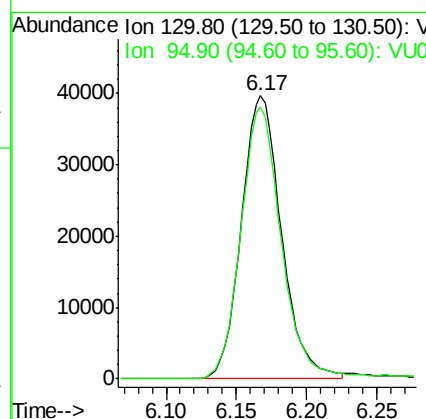
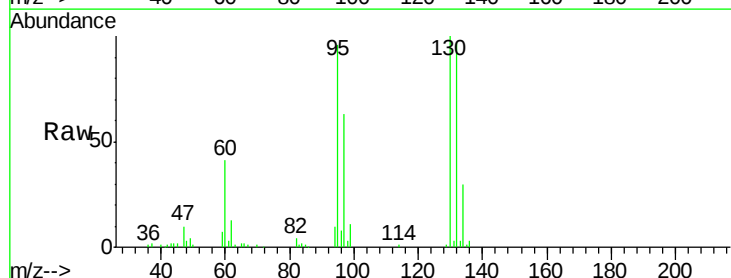
Manual Integrations
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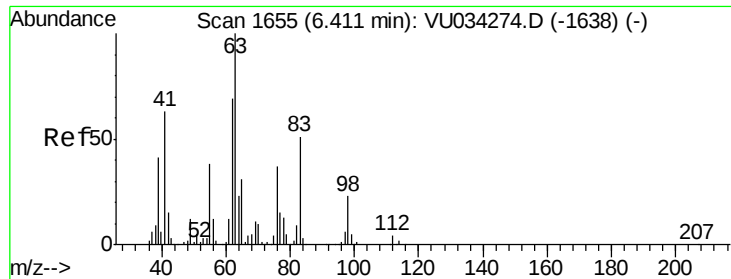
MMDadoda
9/10/2019 10:48:40 AM



#44
Trichloroethene
Concen: 19.259 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	189.2





#45

1,2-Dichloropropane

Concen: 19.802 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 63 Resp: 85934

Ion Ratio Lower Upper

63 100

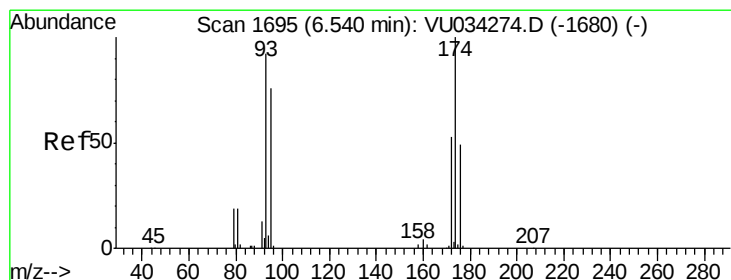
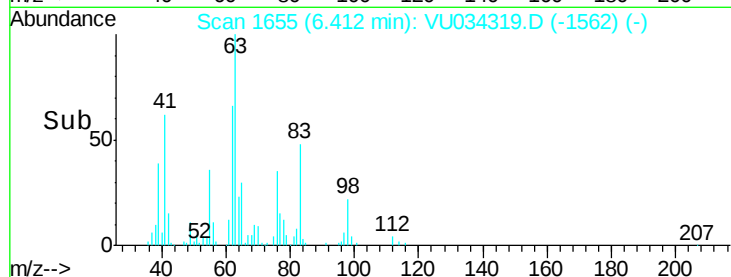
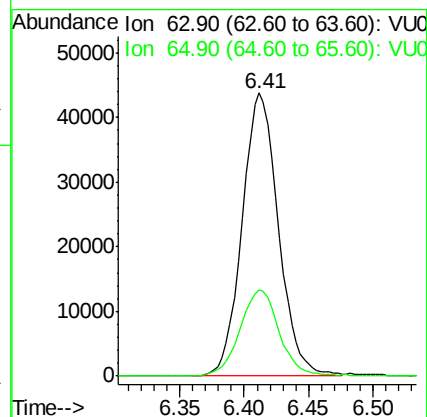
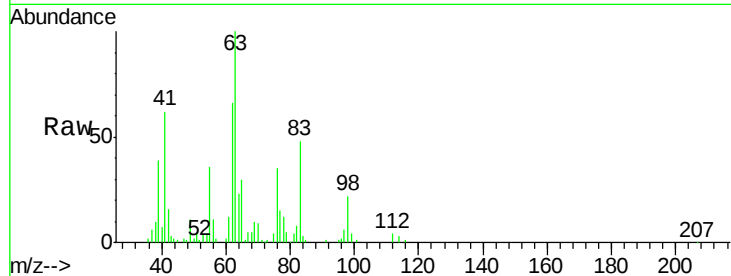
65 30.4 24.6 37.0

Manual Integrations

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9/10/2019 10:48:40 AM



#46

Dibromomethane

Concen: 19.524 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

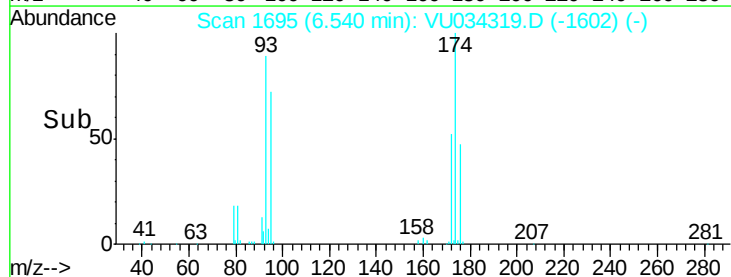
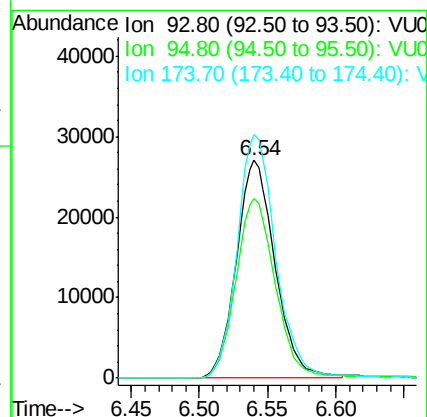
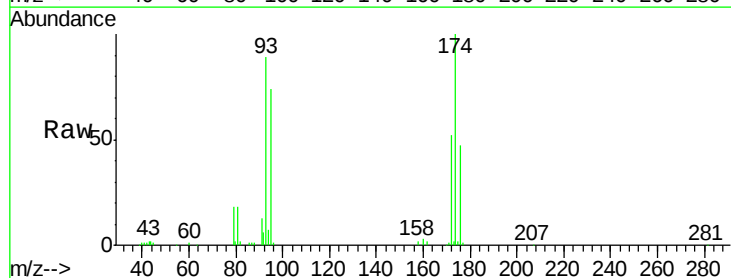
Tgt Ion: 93 Resp: 53184

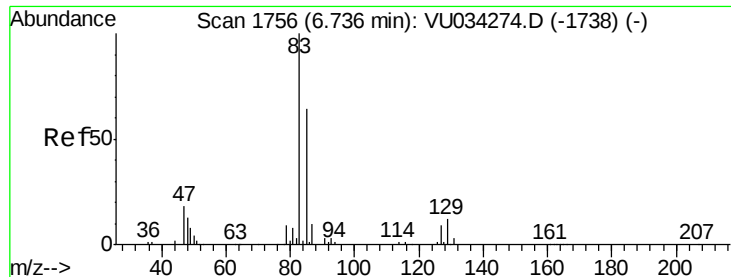
Ion Ratio Lower Upper

93 100

95 84.2 66.5 99.7

174 112.0 87.8 131.6





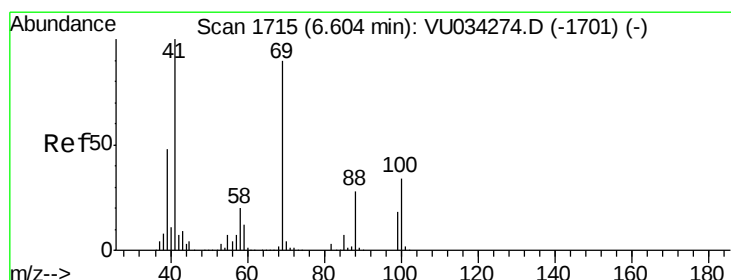
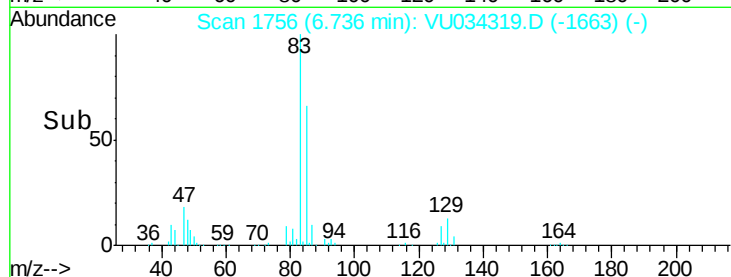
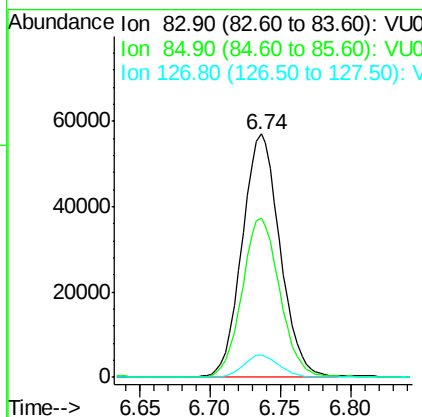
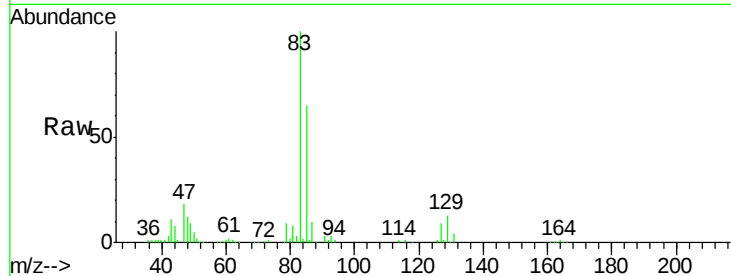
#47
Bromodichloromethane
Concen: 19.129 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	107259		
85	65.4		51.1	76.7
127	8.9		7.2	10.8

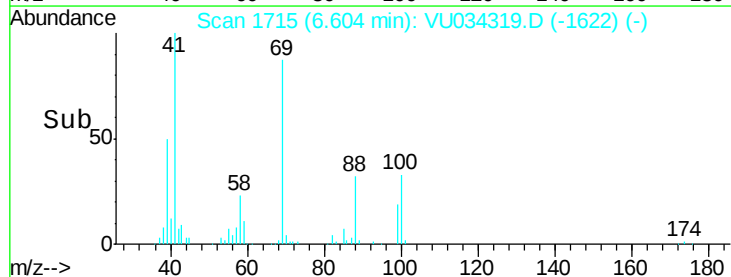
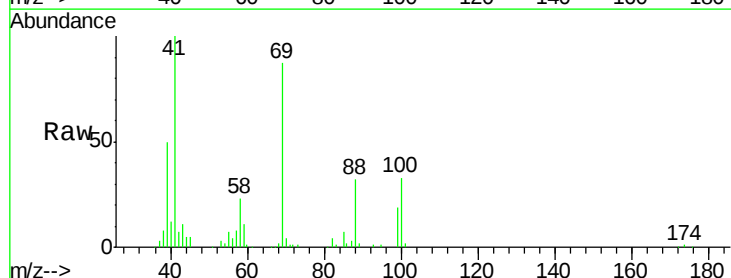
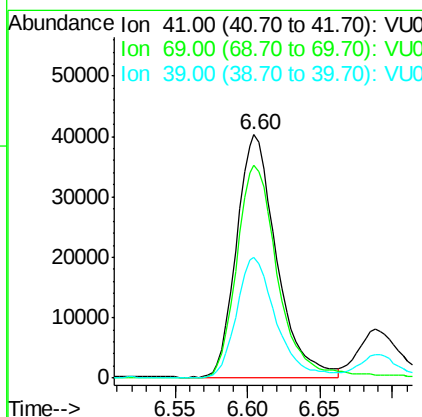
Manual Integrations
APPROVED

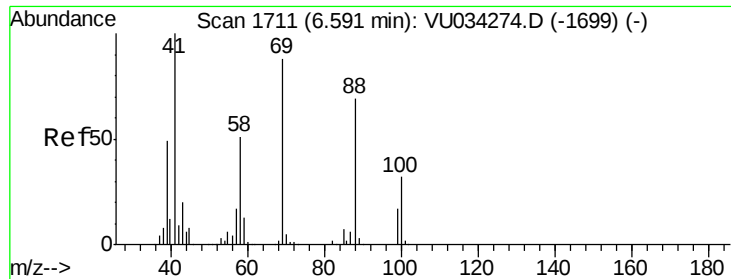
MMDadoda
9/10/2019 10:48:40 AM



#48
Methyl methacrylate
Concen: 19.310 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	77823		
69	90.3		72.8	109.2
39	48.8		38.6	58.0





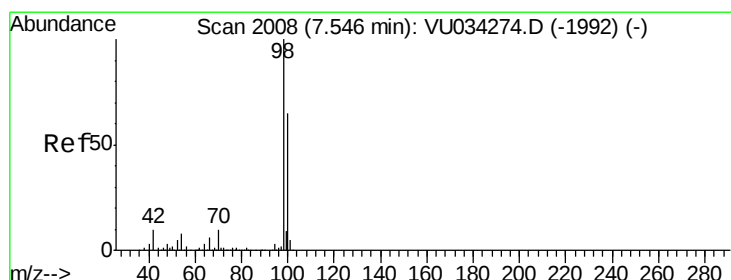
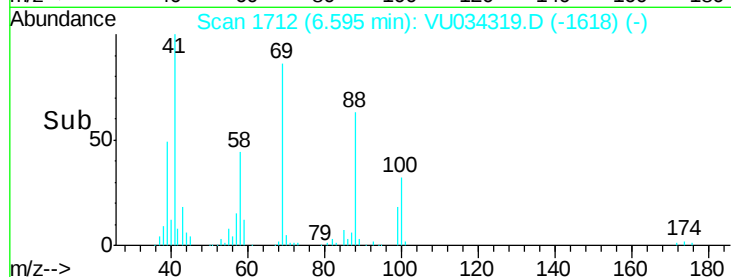
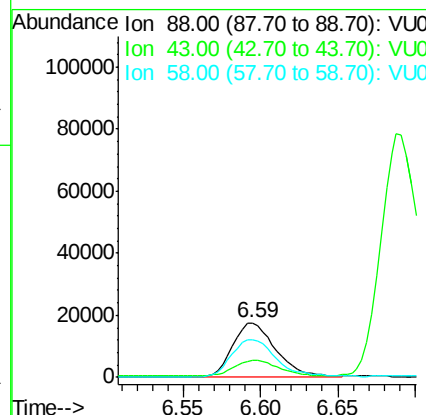
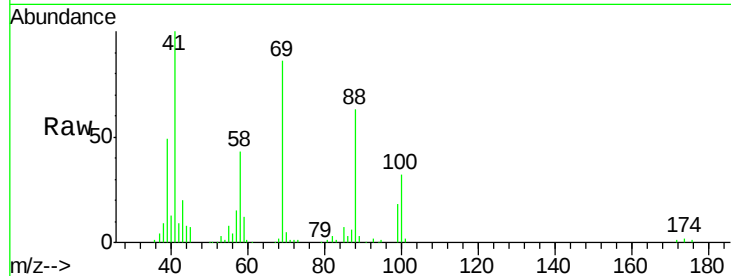
#49
1,4-Dioxane
Concen: 390.521 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.8	35.6
58	72.4	58.4	87.6

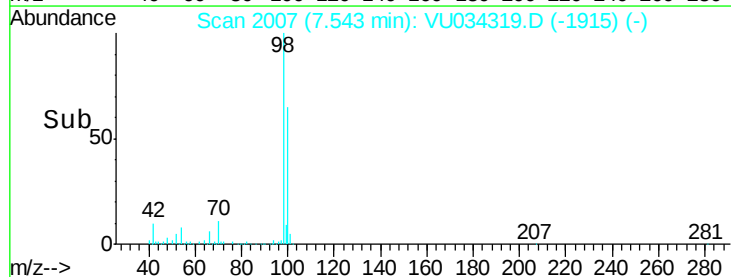
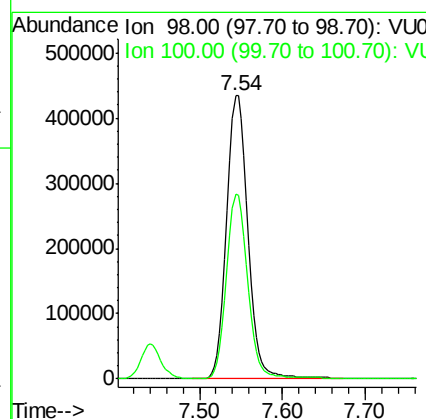
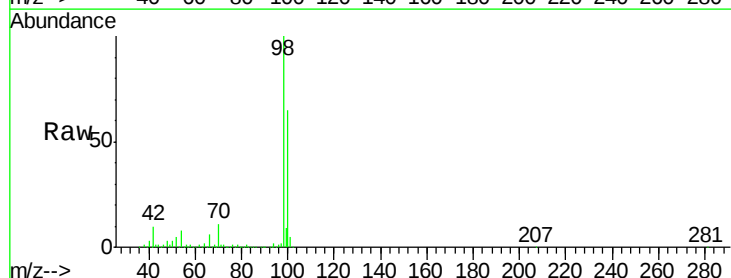
Manual Integrations
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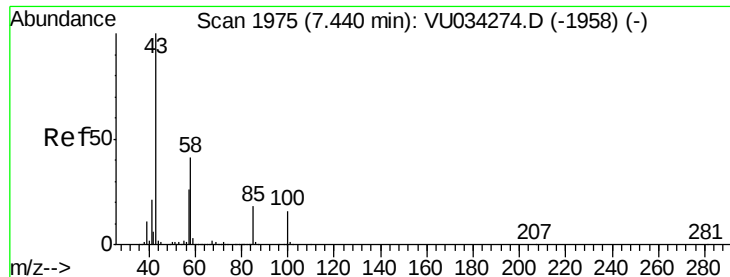
MMDadoda
9/10/2019 10:48:40 AM



#50
Toluene-d8
Concen: 52.428 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 98.799 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 43 Resp: 580285

Ion Ratio Lower Upper

43 100

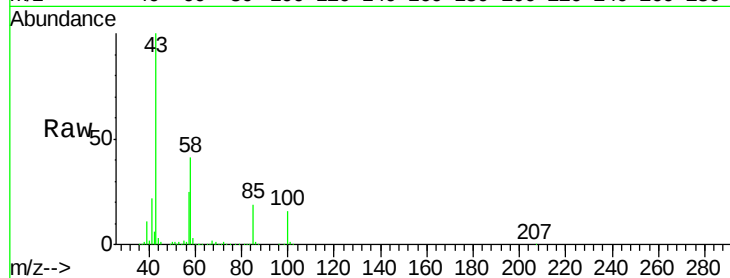
58 41.4 33.0 49.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU034319.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034319.D (-1958) (-)

7.44

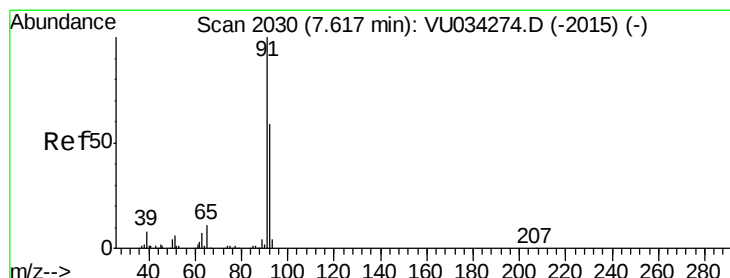
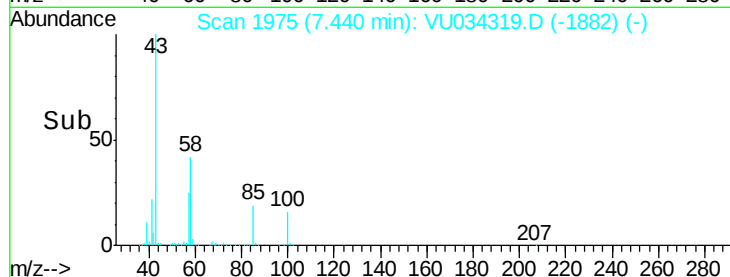
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 19.678 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034319.D

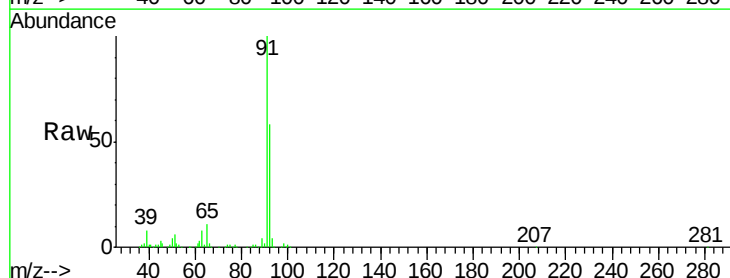
Acq: 06 Sep 2019 10:31

Tgt Ion: 92 Resp: 183239

Ion Ratio Lower Upper

92 100

91 173.5 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034319.D (-1937) (-)

Ion 91.00 (90.70 to 91.70): VU034319.D (-1937) (-)

7.62

200000

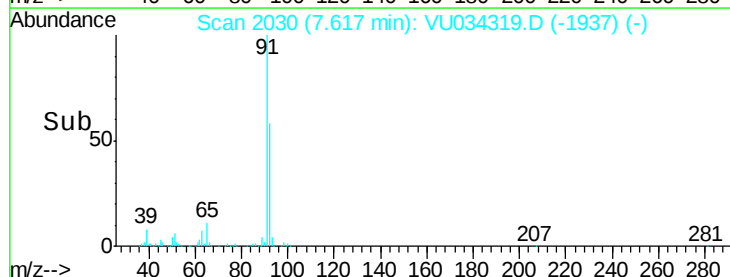
150000

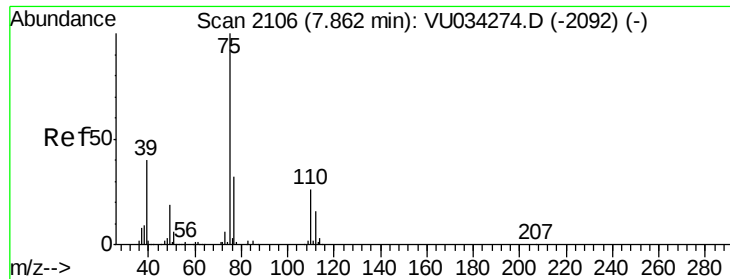
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 19.190 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 75 Resp: 111543

Ion Ratio Lower Upper

75 100

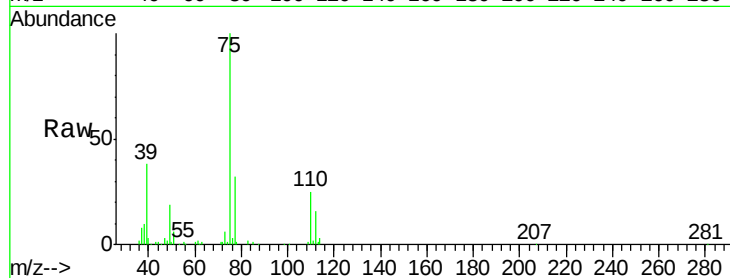
77 31.8 25.7 38.5

Manual Integrations

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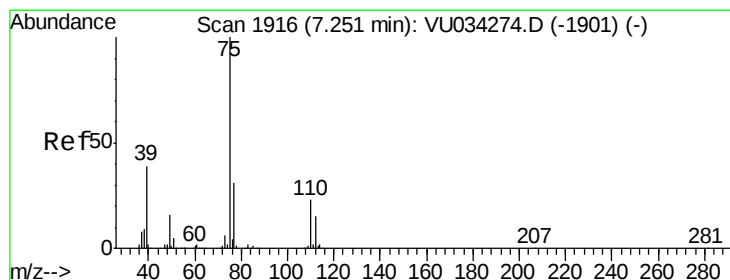
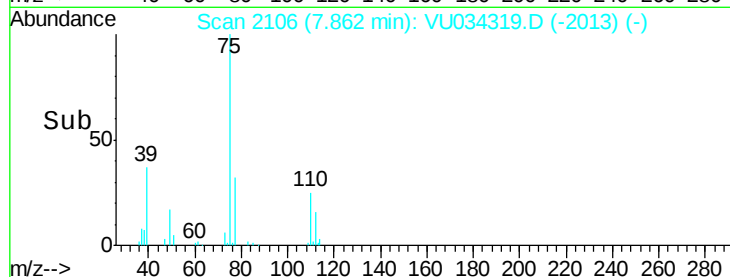
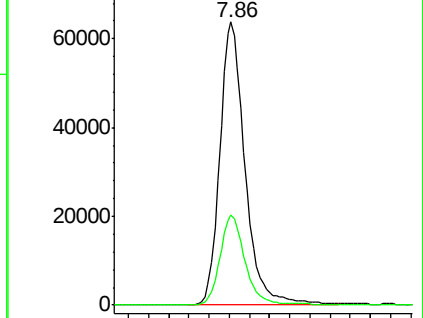
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.672 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

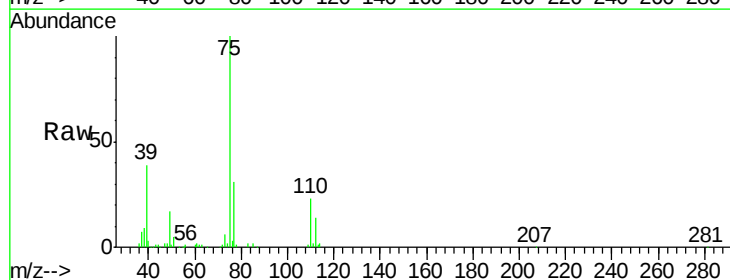
Tgt Ion: 75 Resp: 125498

Ion Ratio Lower Upper

75 100

77 31.3 25.1 37.7

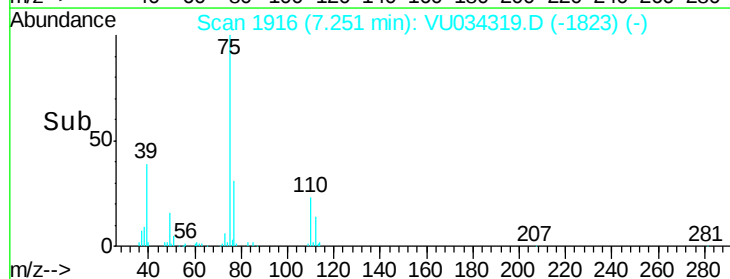
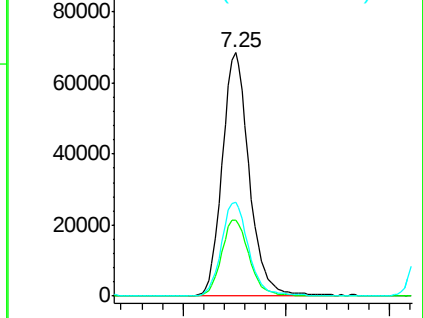
39 38.6 31.2 46.8

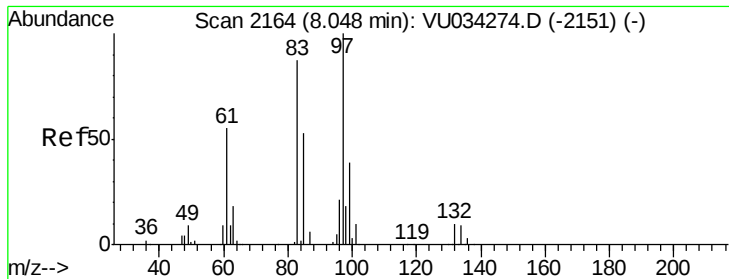


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





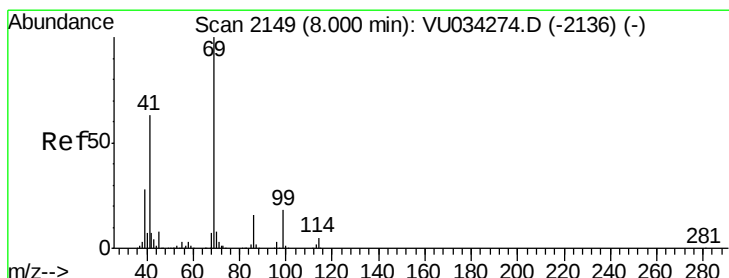
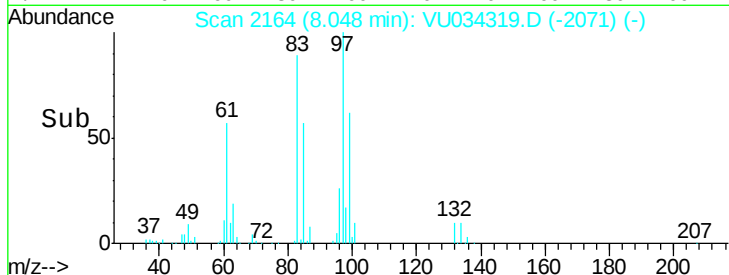
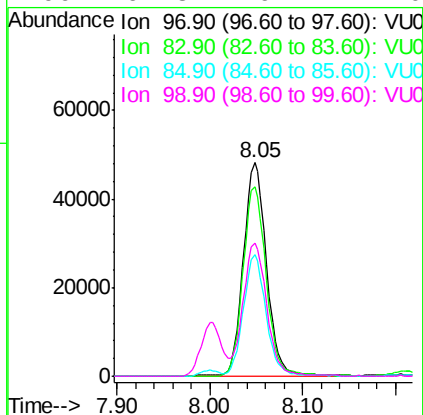
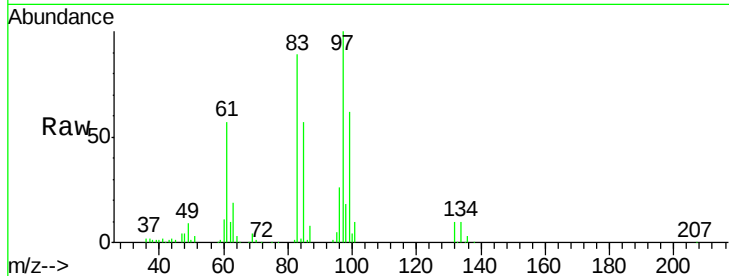
#55
 1,1,2-Trichloroethane
 Concen: 19.883 ug/l
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion:	97	Resp:	84075
Ion	Ratio	Lower	Upper
97	100		
83	88.9	69.0	103.6
85	56.8	44.2	66.2
99	61.8	49.4	74.0

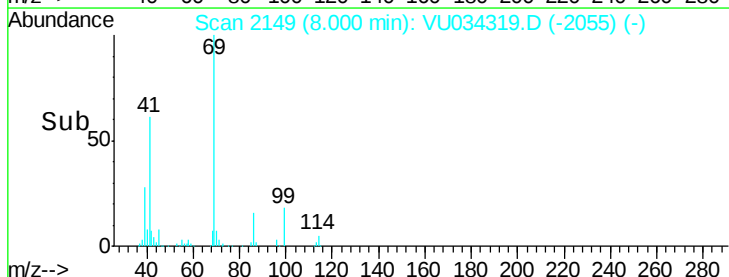
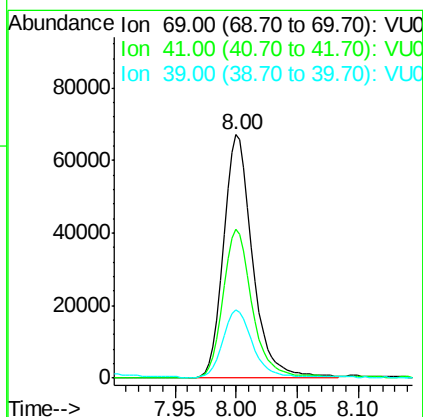
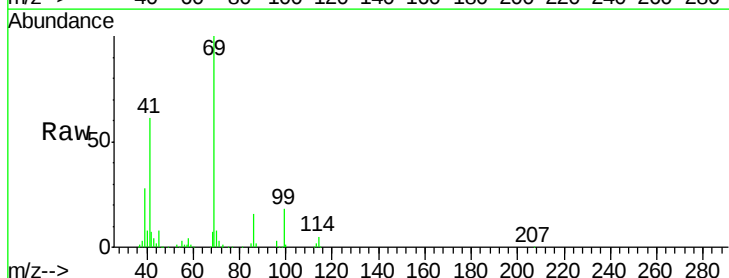
Manual Integrations
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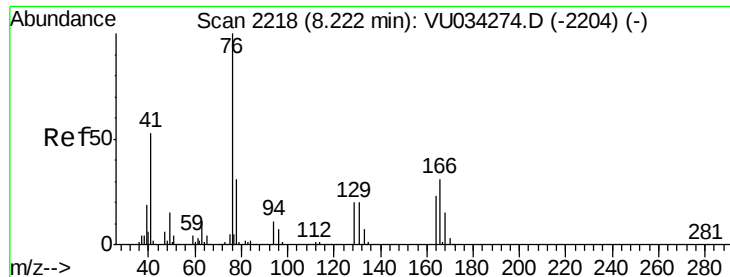
MMDadoda
 9/10/2019 10:48:40 AM



#56
 Ethyl methacrylate
 Concen: 19.502 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion:	69	Resp:	112440
Ion	Ratio	Lower	Upper
69	100		
41	62.0	49.5	74.3
39	28.6	22.5	33.7





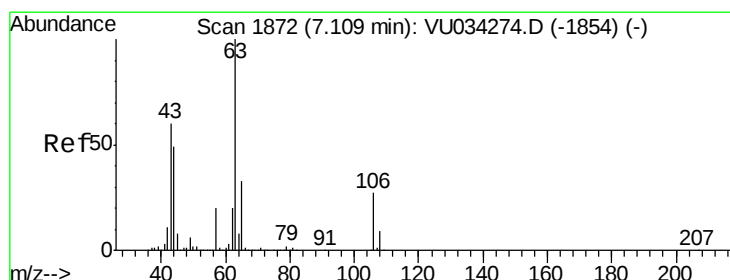
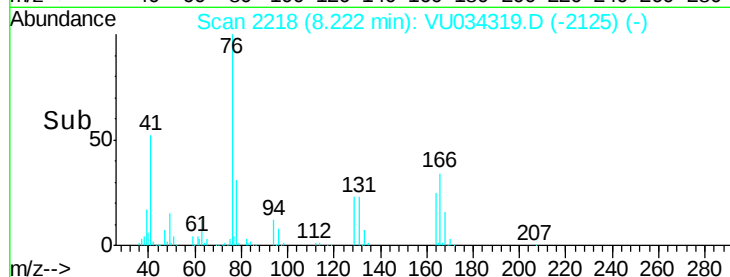
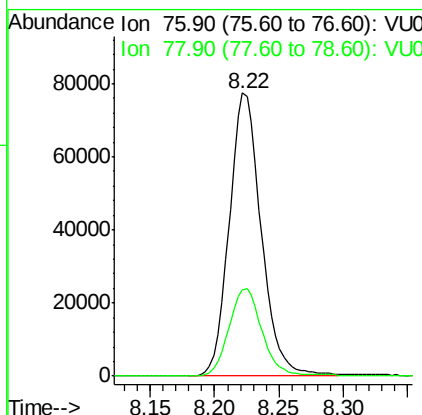
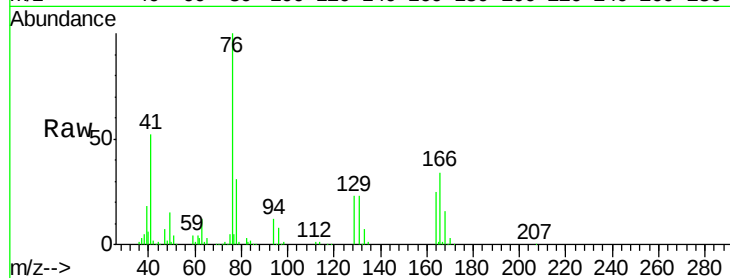
#57
 1,3-Dichloropropane
 Concen: 19.361 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.4	38.2

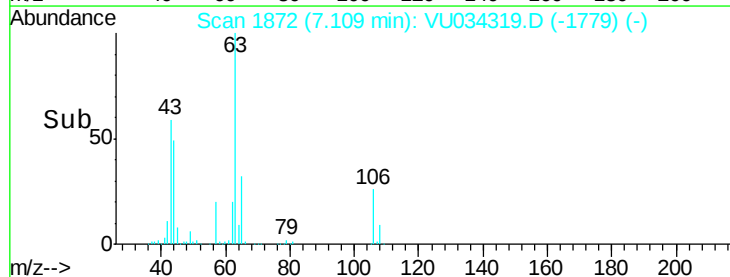
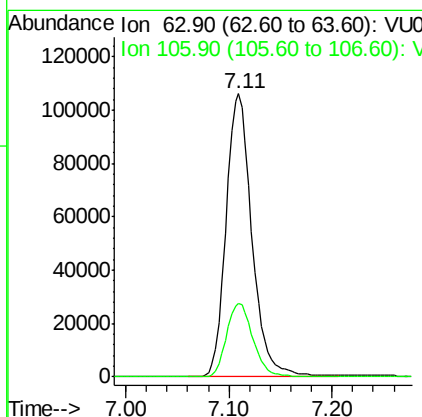
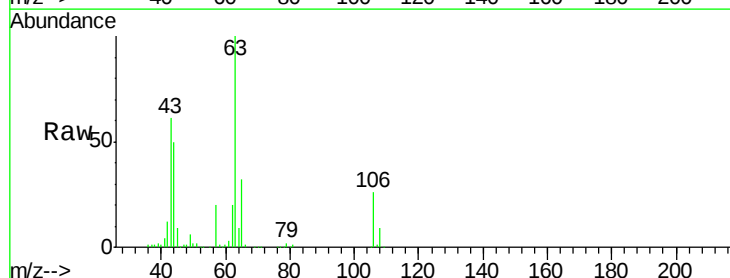
Manual Integrations
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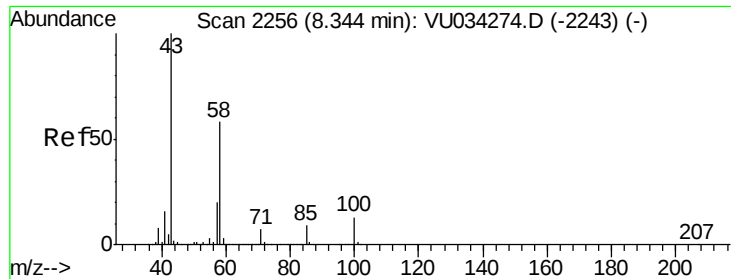
MMDadoda
 9/10/2019 10:48:40 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.630 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.5	21.6	32.4





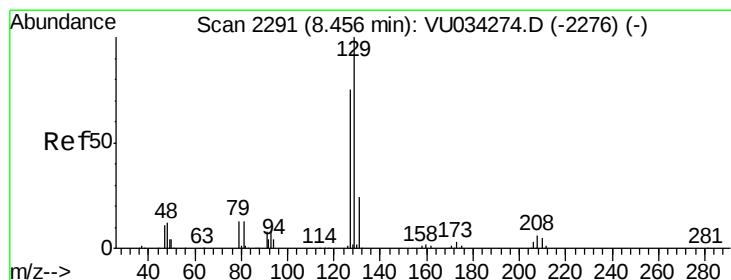
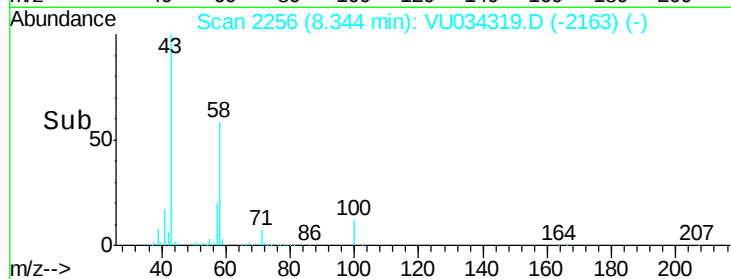
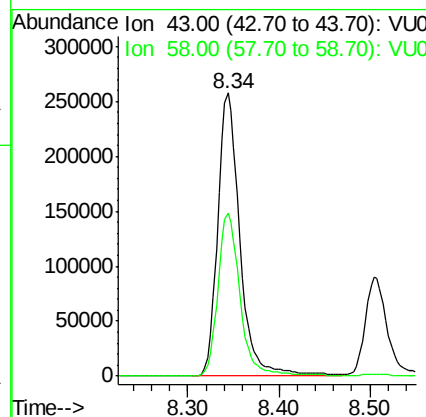
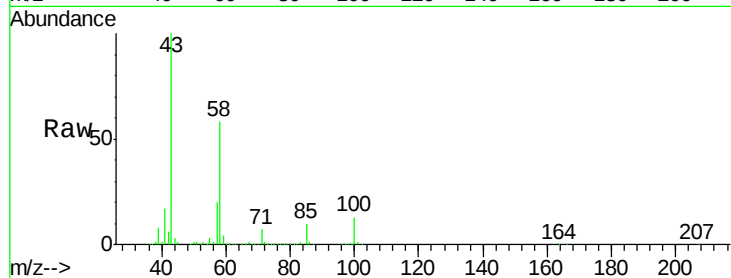
#59
2-Hexanone
Concen: 99.130 ug/l
RT: 8.34 min Scan# 2256
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.3	28.8	86.5

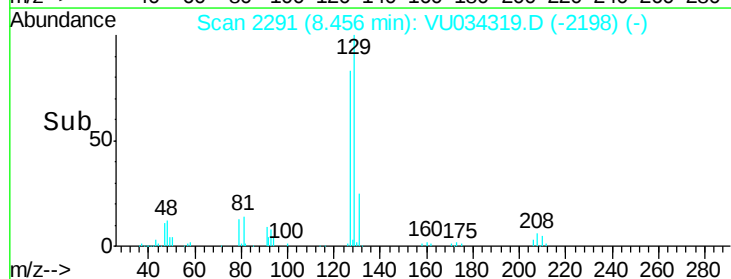
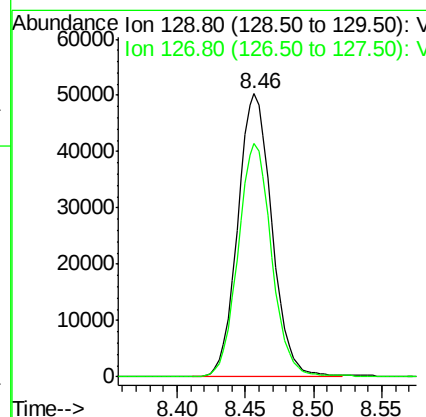
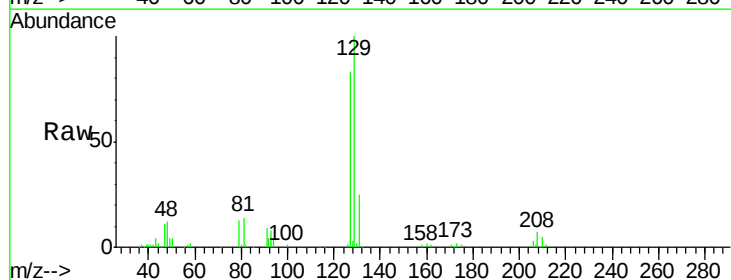
Manual Integrations
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#60
Dibromochloromethane
Concen: 19.273 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	81.0	37.9	113.7





#61

1,2-Dibromoethane

Concen: 19.494 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion:107 Resp: 80678

Ion Ratio Lower Upper

107 100

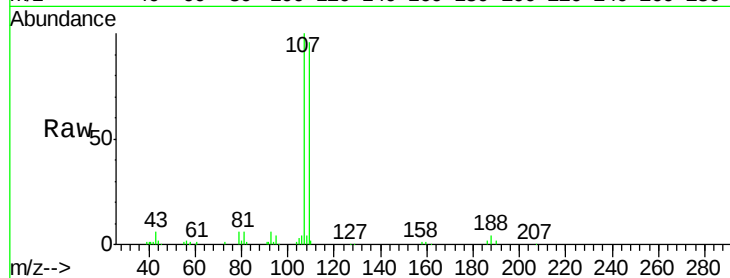
109 95.8 75.0 112.6

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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

50000

40000

30000

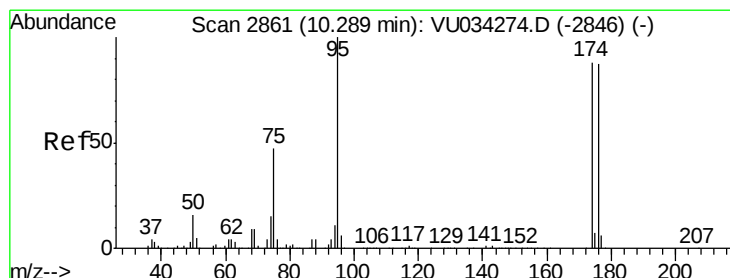
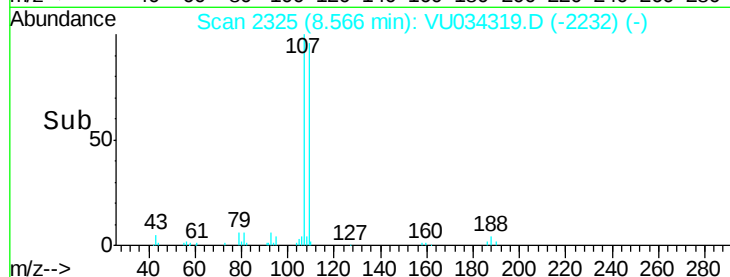
20000

10000

0

8.50 8.55 8.60 8.65

Time-->



#62

4-Bromofluorobenzene

Concen: 49.999 ug/l

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

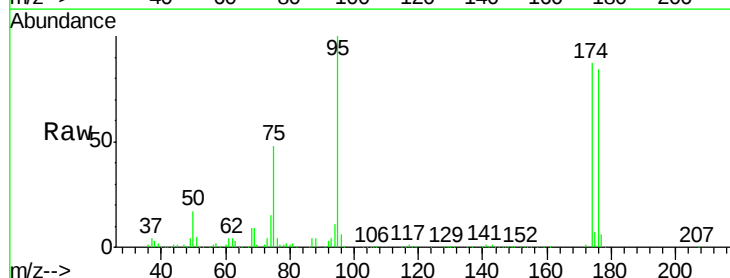
Tgt Ion: 95 Resp: 286276

Ion Ratio Lower Upper

95 100

174 87.4 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

200000

150000

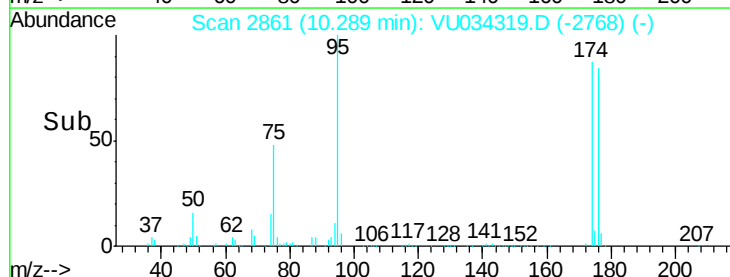
100000

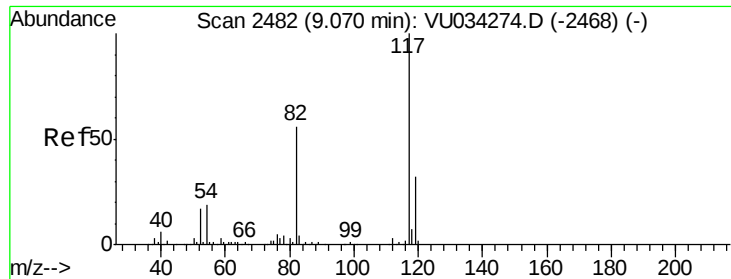
50000

0

10.20 10.30 10.40

Time-->





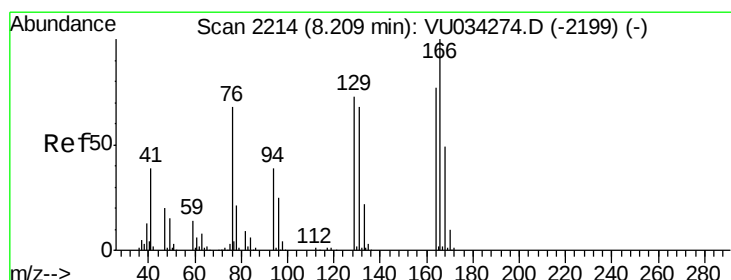
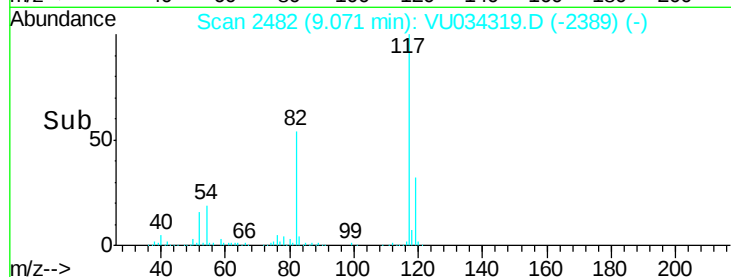
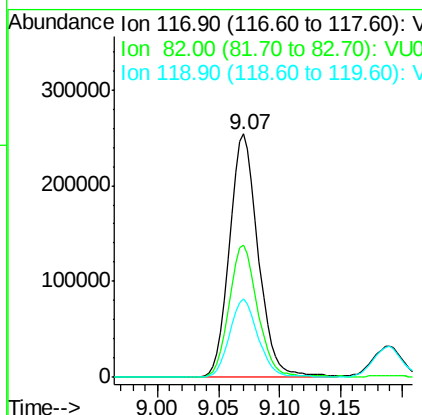
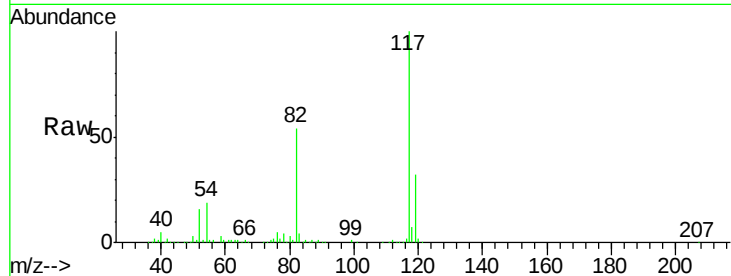
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2482
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419243		
82	54.4		44.6	67.0
119	32.0		25.9	38.9

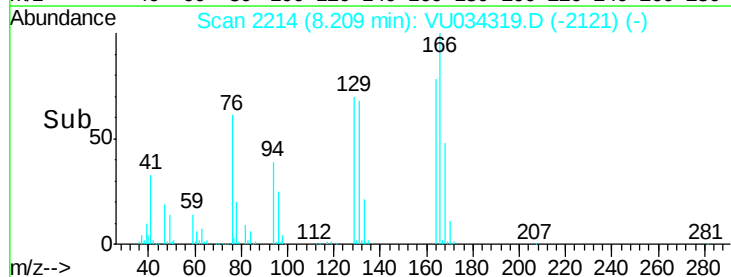
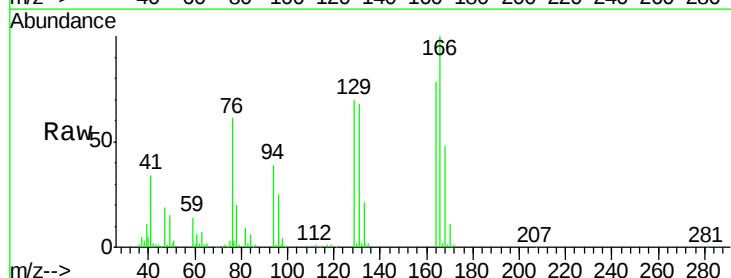
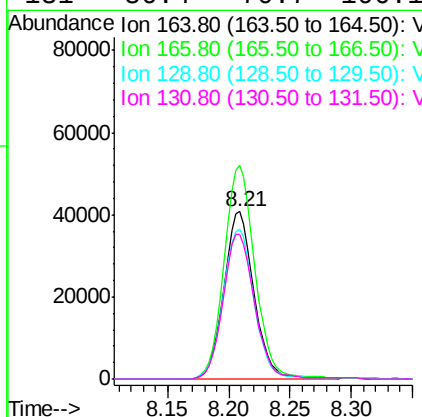
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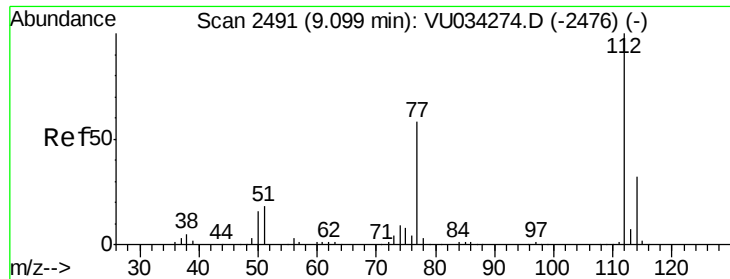
MMDadoda
9/10/2019 10:48:40 AM



#64
Tetrachloroethene
Concen: 19.428 ug/l
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	70663		
166	127.5		103.7	155.5
129	89.7		75.8	113.8
131	86.4		70.7	106.1





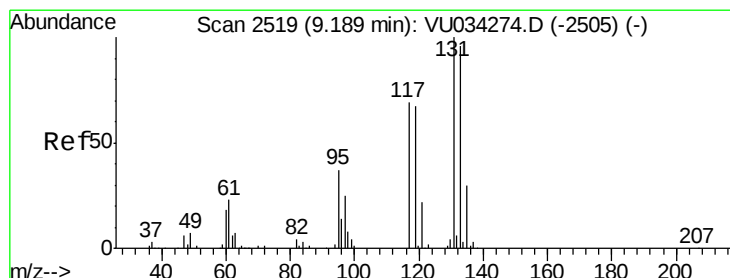
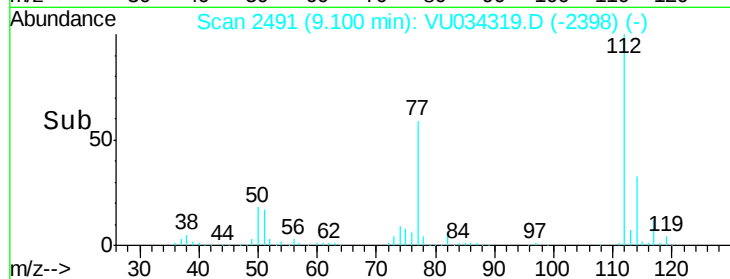
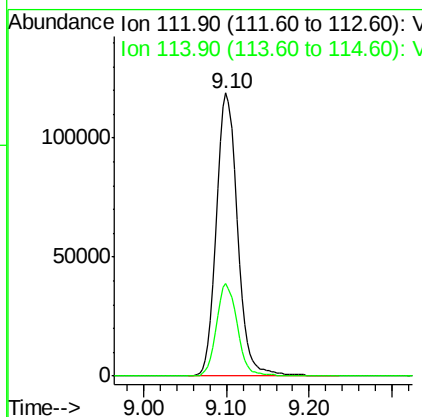
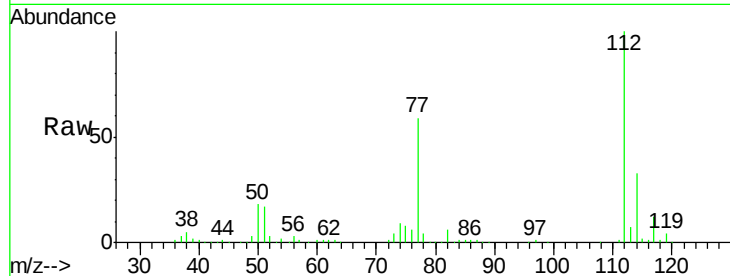
#65
Chlorobenzene
Concen: 19.843 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion:112 Resp: 211059
Ion Ratio Lower Upper
112 100
114 32.5 25.9 38.9

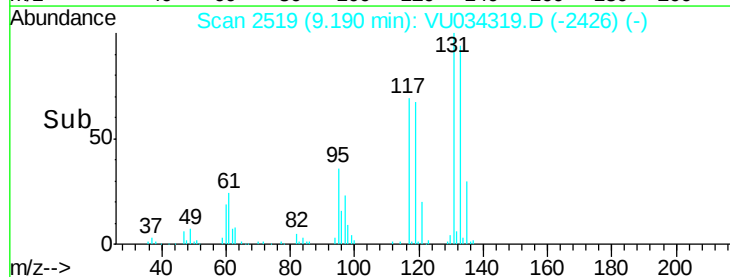
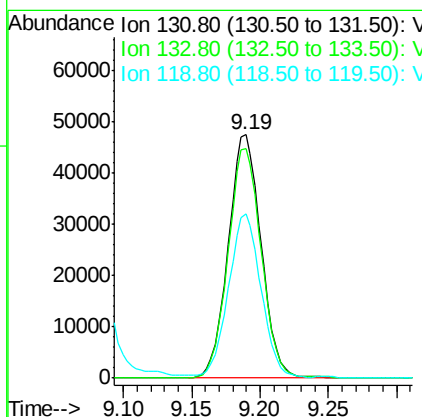
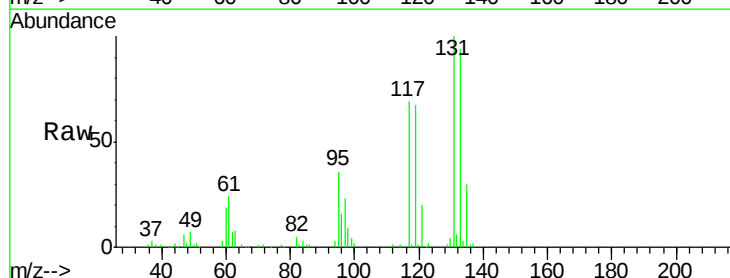
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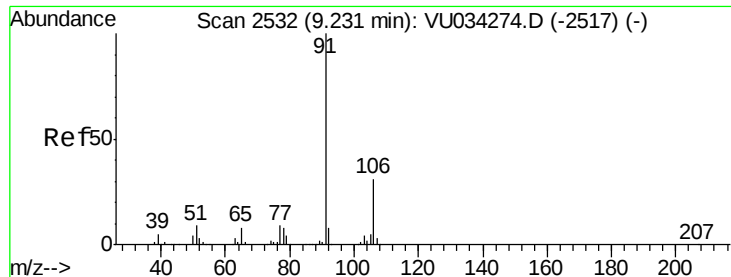
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.504 ug/l
RT: 9.19 min Scan# 2519
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion:131 Resp: 79172
Ion Ratio Lower Upper
131 100
133 95.1 47.9 143.7
119 66.3 33.1 99.5





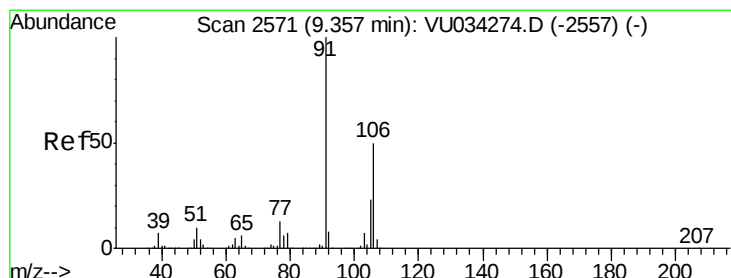
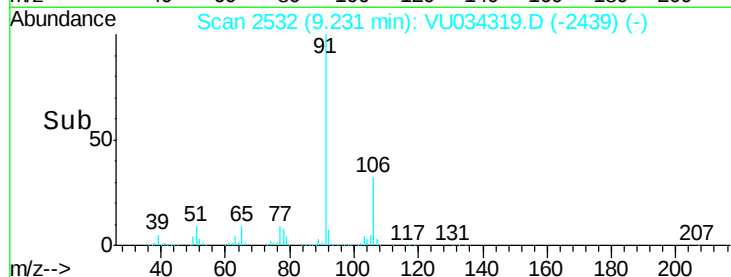
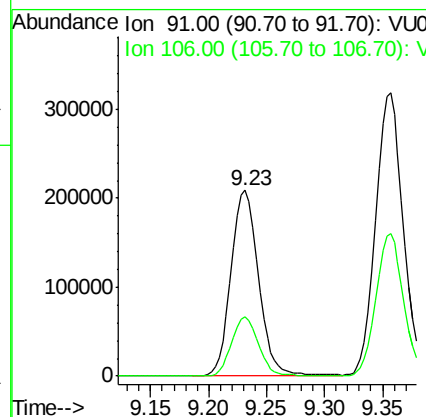
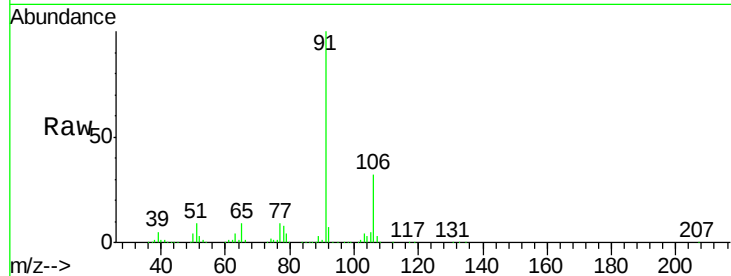
#67
Ethyl Benzene
Concen: 19.787 ug/l
RT: 9.23 min Scan# 2532
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion: 91 Resp: 344114
Ion Ratio Lower Upper
91 100
106 31.7 24.8 37.2

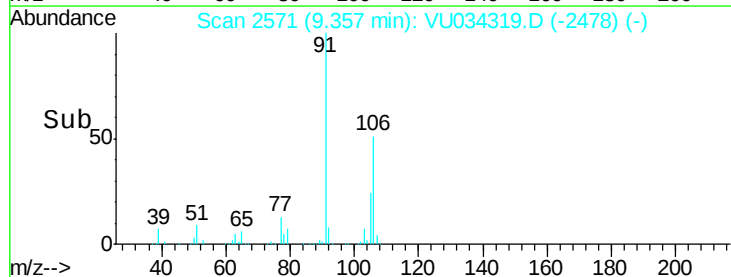
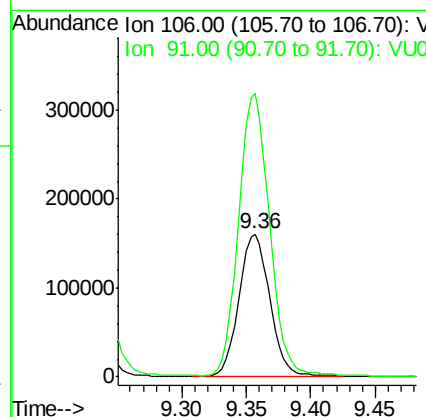
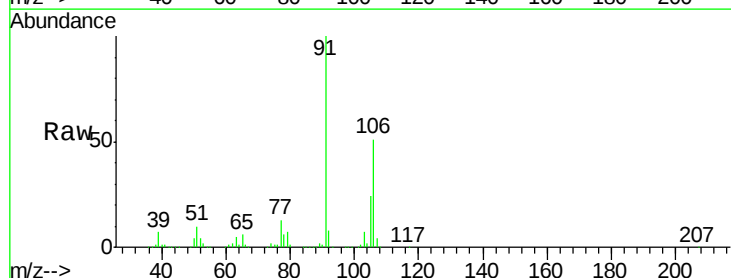
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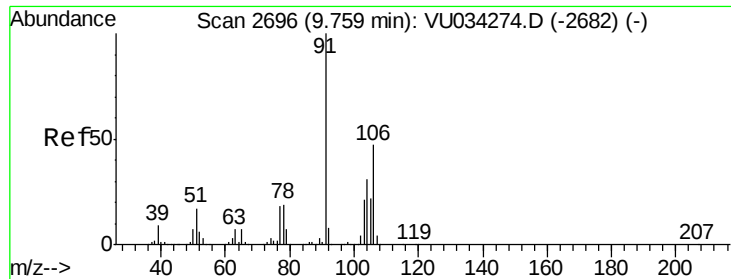
MMDadoda
9/10/2019 10:48:40 AM



#68
m/p-Xylenes
Concen: 40.745 ug/l
RT: 9.36 min Scan# 2571
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion: 106 Resp: 266832
Ion Ratio Lower Upper
106 100
91 200.7 160.1 240.1





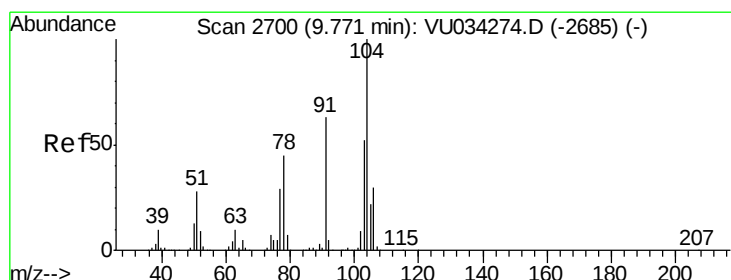
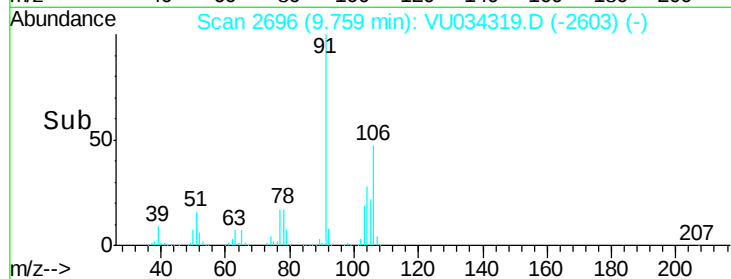
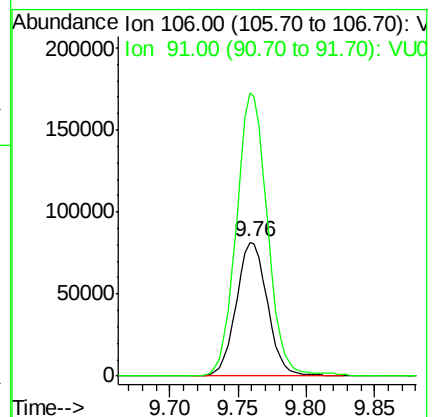
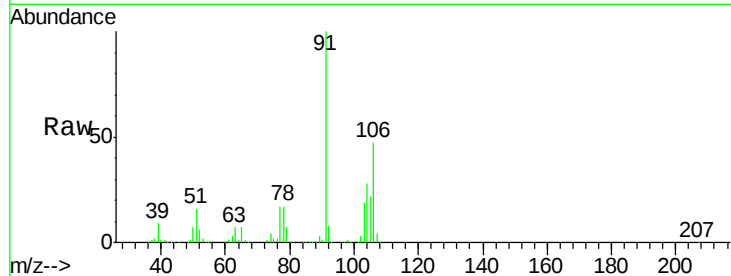
#69
o-Xylene
Concen: 20.230 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	129562		
91	211.9	105.1	315.3	

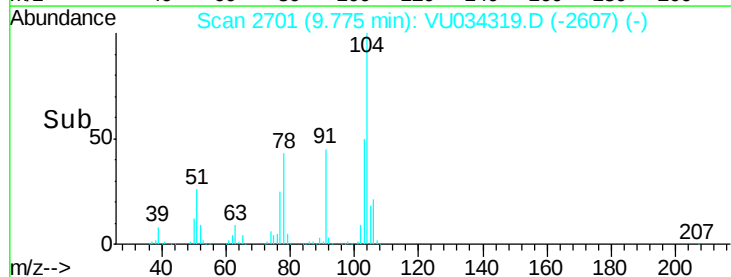
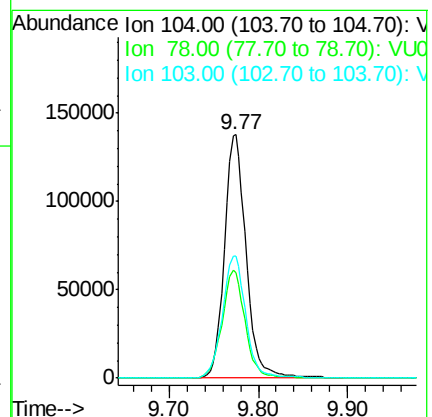
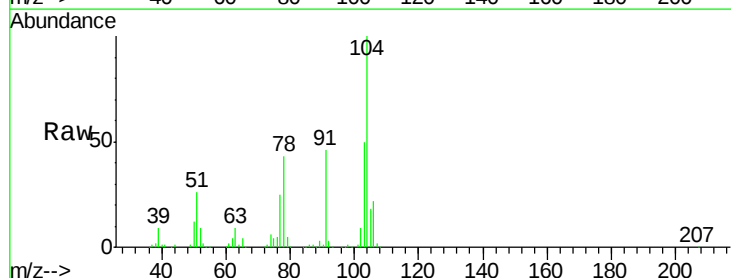
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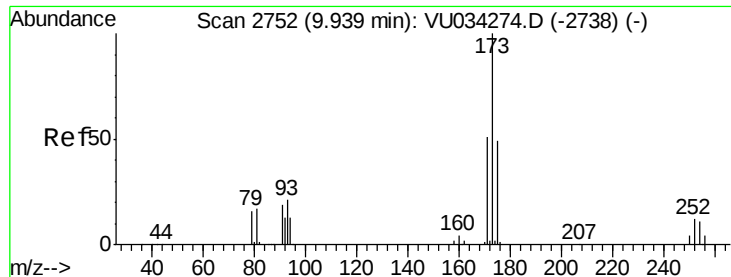
MMDadoda
9/10/2019 10:48:40 AM



#70
Styrene
Concen: 20.696 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	232392		
78	47.2	38.6	57.8	
103	54.2	44.2	66.4	





#71

Bromoform

Concen: 19.784 ug/l

RT: 9.94 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion:173 Resp: 69598

Ion Ratio Lower Upper

173 100

175 48.1 24.4 73.2

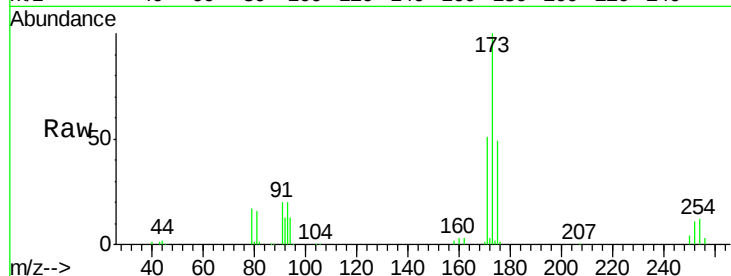
254 0.0 0.0 0.0

Manual Integrations

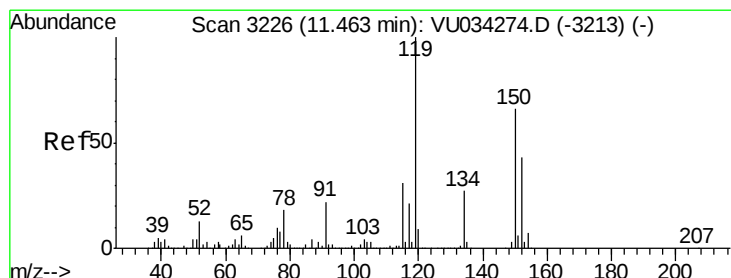
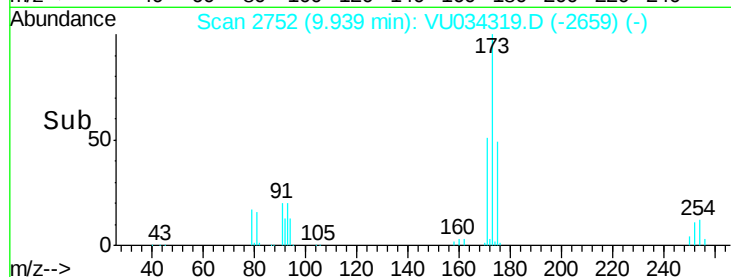
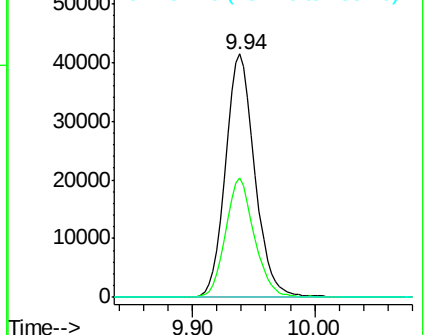
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3226

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

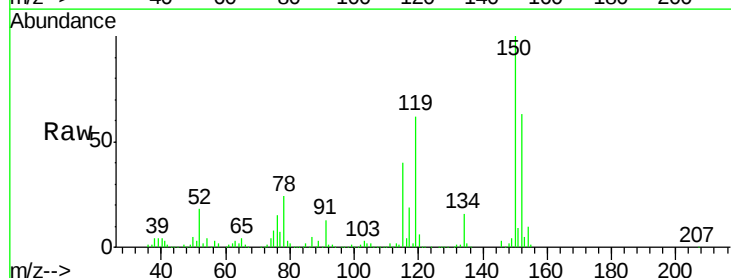
Tgt Ion:152 Resp: 277271

Ion Ratio Lower Upper

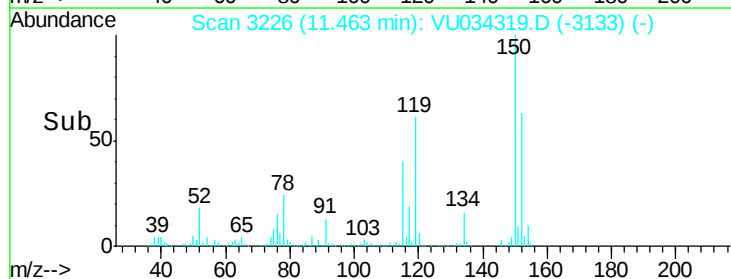
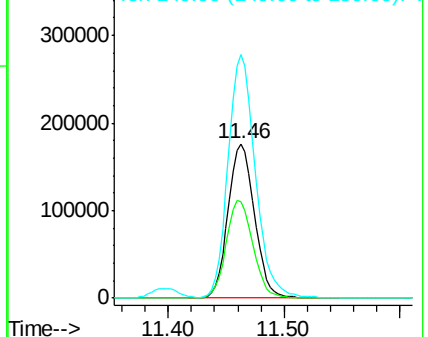
152 100

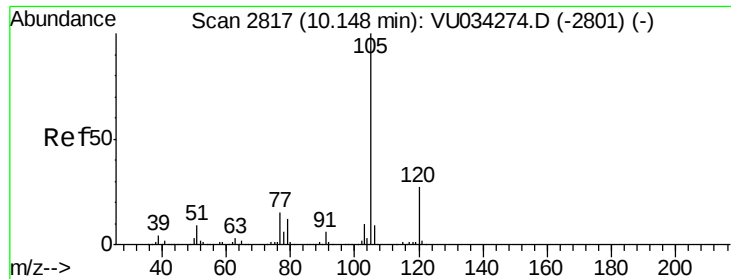
115 64.5 39.1 117.3

150 162.4 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





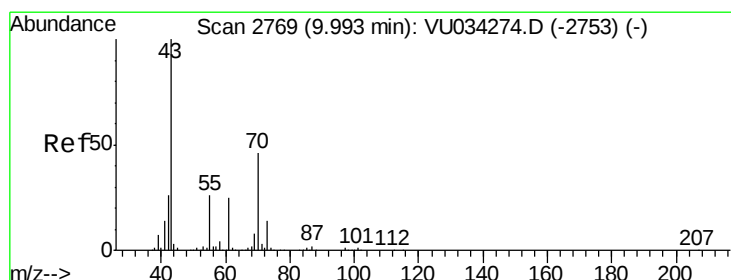
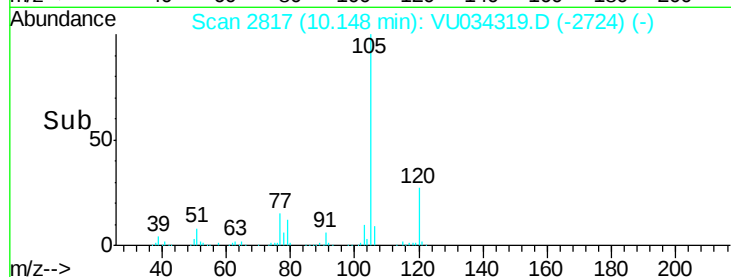
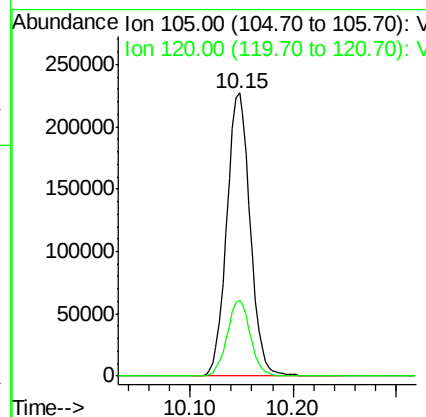
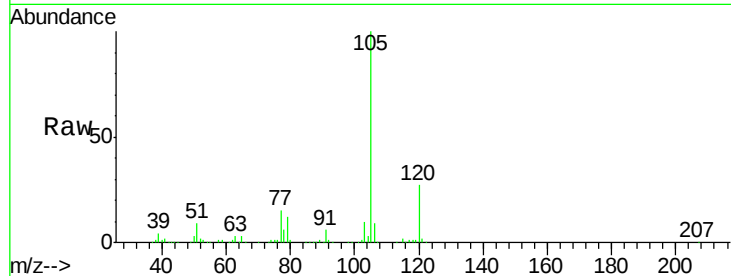
#73
Isopropylbenzene
Concen: 19.903 ug/l
RT: 10.15 min Scan# 2817
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.4	40.2

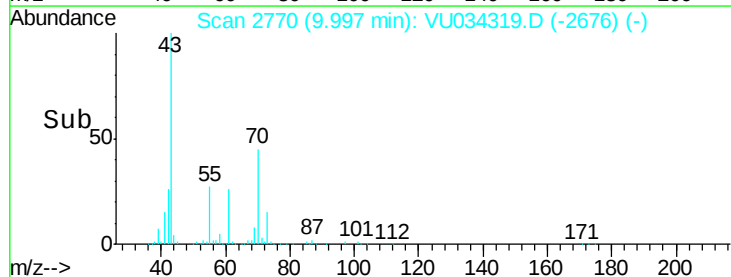
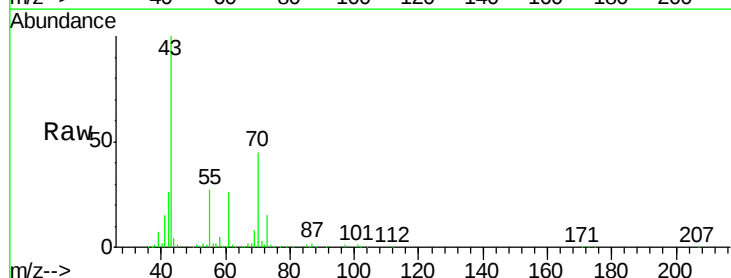
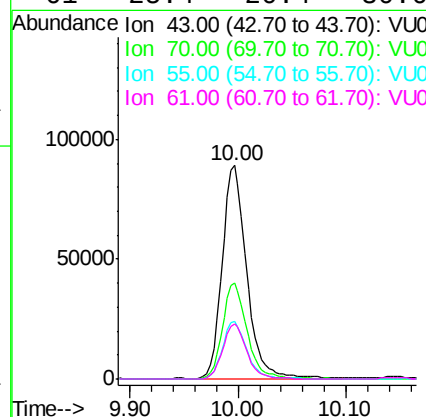
Manual Integrations
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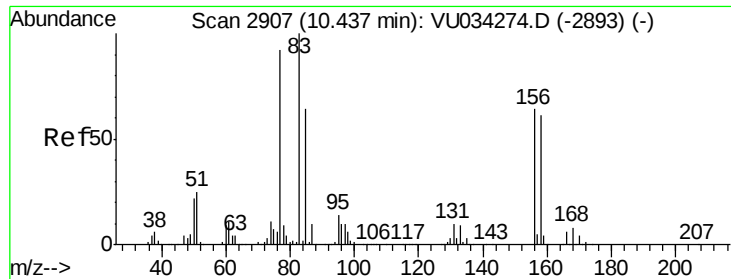
MMDadoda
9/10/2019 10:48:40 AM



#74
N-ethyl acetate
Concen: 19.360 ug/l
RT: 10.00 min Scan# 2770
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.3	36.4	54.6
55	26.9	21.2	31.8
61	25.4	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.315 ug/l

RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 83 Resp: 141076

Ion Ratio Lower Upper

83 100

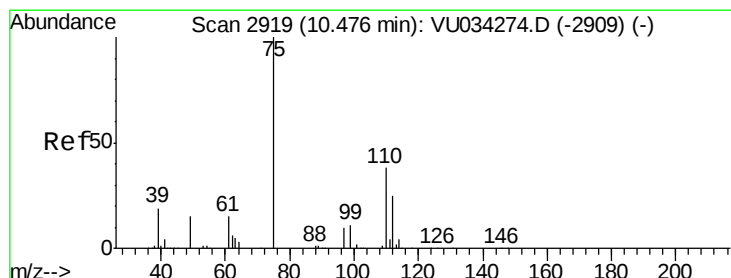
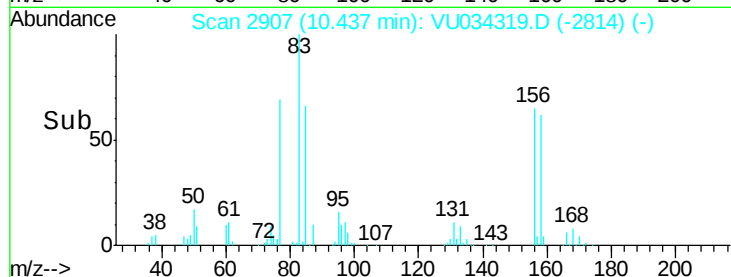
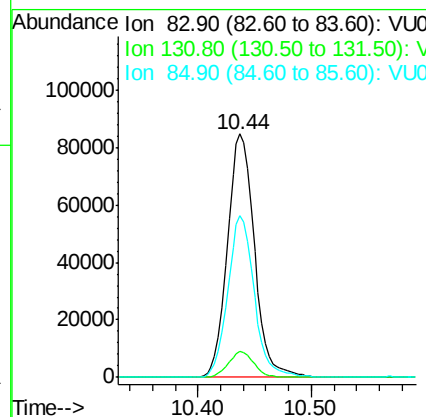
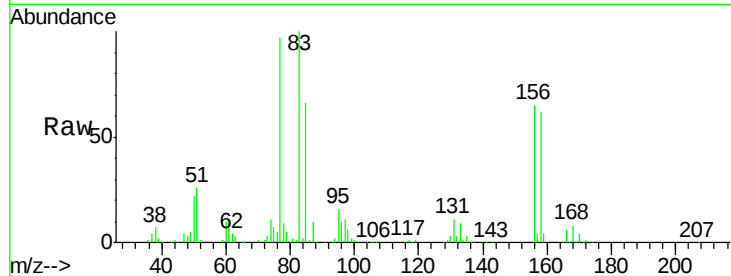
131 10.0 5.1 15.2

85 65.1 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.989 ug/l m

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034319.D

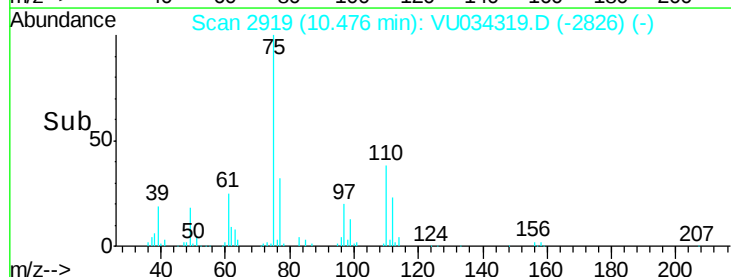
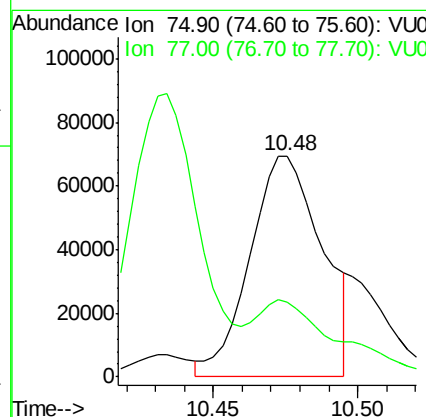
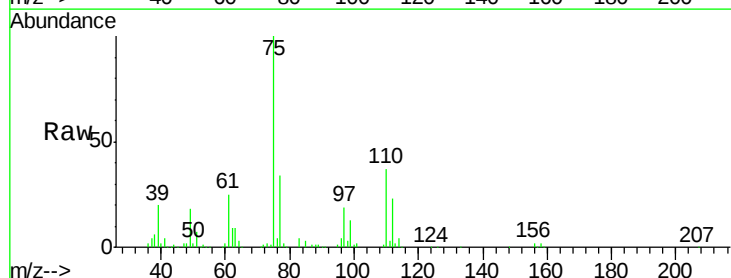
Acq: 06 Sep 2019 10:31

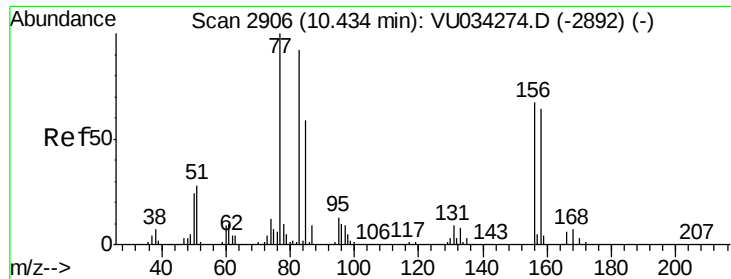
Tgt Ion: 75 Resp: 120980

Ion Ratio Lower Upper

75 100

77 40.6 20.8 62.2





#77

Bromobenzene

Concen: 19.502 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

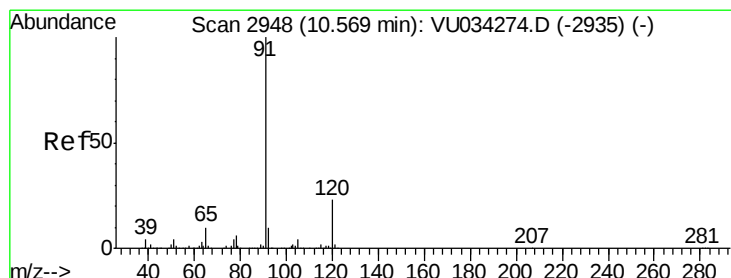
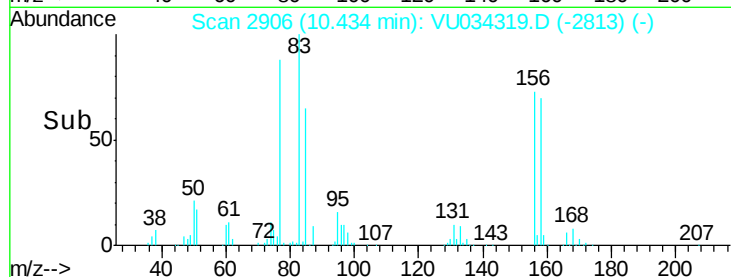
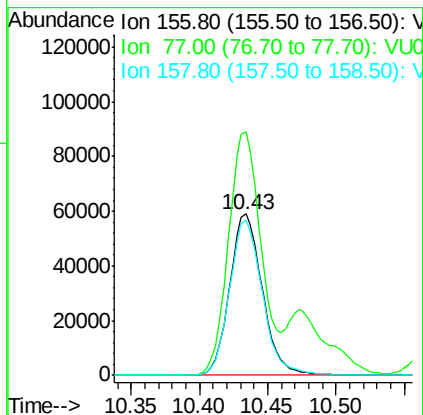
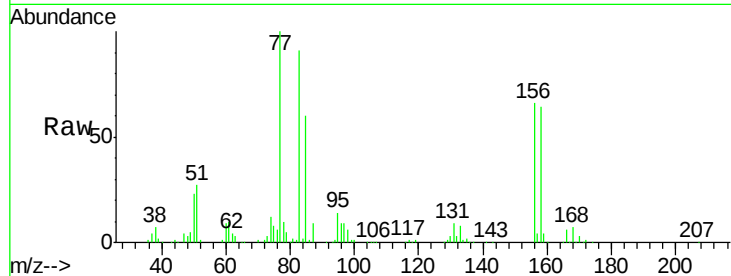
ClientSampleId :

VU0907WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.0	75.6	226.9
158	97.2	48.2	144.6

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#78

n-propylbenzene

Concen: 20.023 ug/l

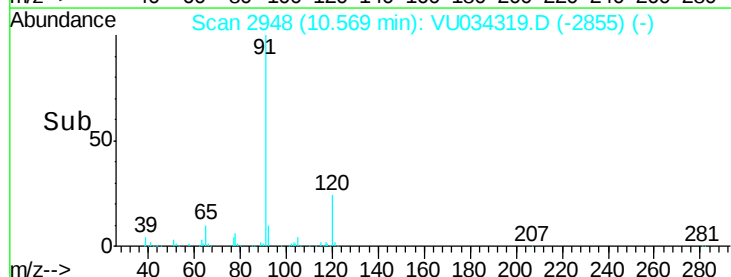
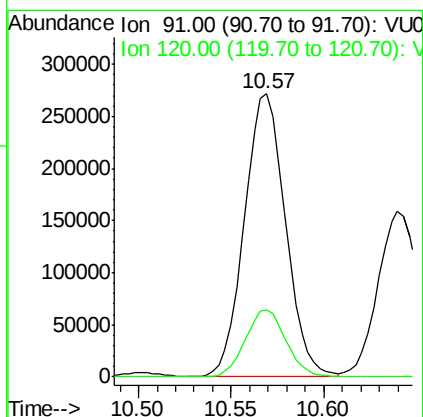
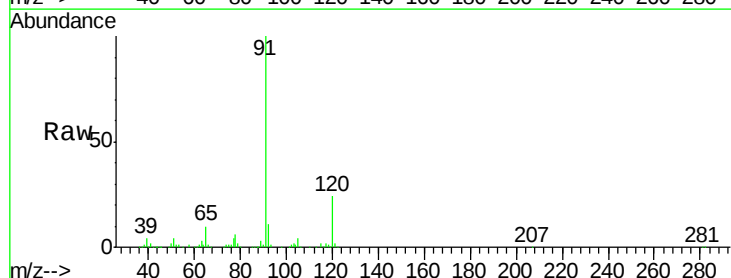
RT: 10.57 min Scan# 2948

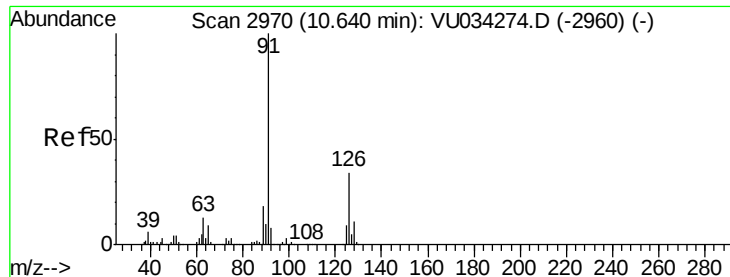
Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.926 ug/l

RT: 10.64 min Scan# 2970

Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Instrument :

MSVOA_U

ClientSampleId :

VU0907WBS01

Tot Ion: 91 Resp: 253369

Ion Ratio Lower Upper

91 100

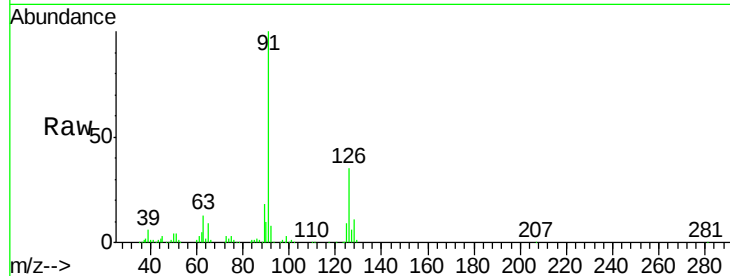
126 34.8 17.3 51.9

Manual Integrations

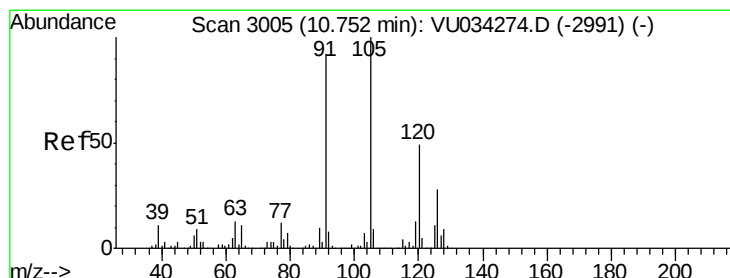
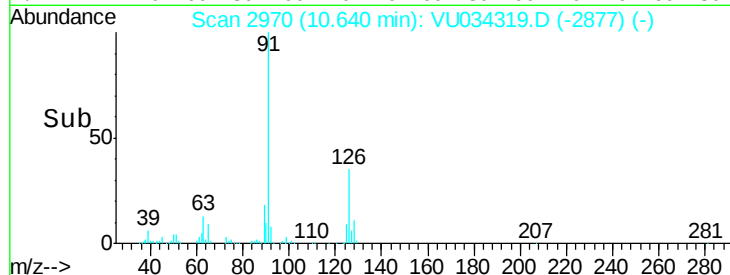
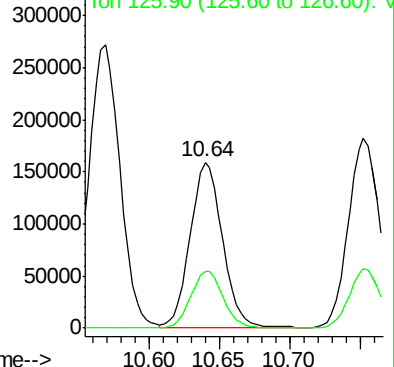
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Abundance Ion 91.00 (90.70 to 91.70): VU034319.D (-2877) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.549 ug/l

RT: 10.75 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VU034319.D

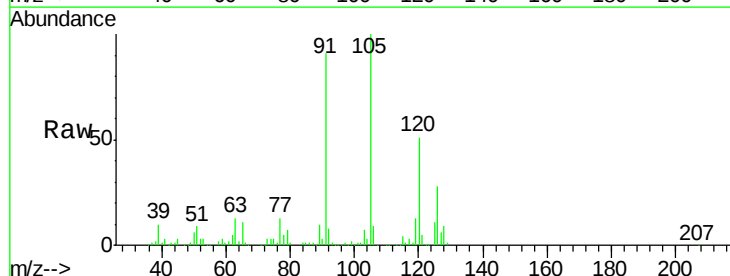
Acq: 06 Sep 2019 10:31

Tgt Ion: 105 Resp: 310107

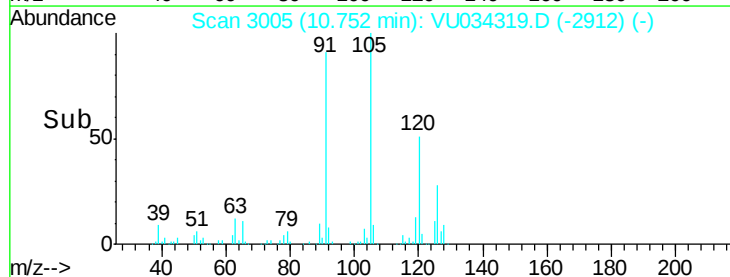
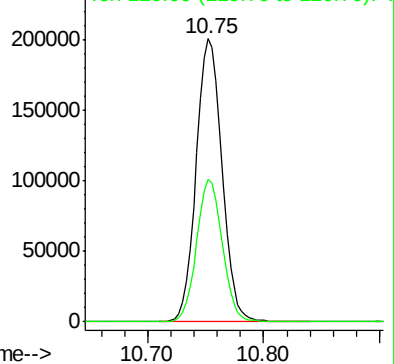
Ion Ratio Lower Upper

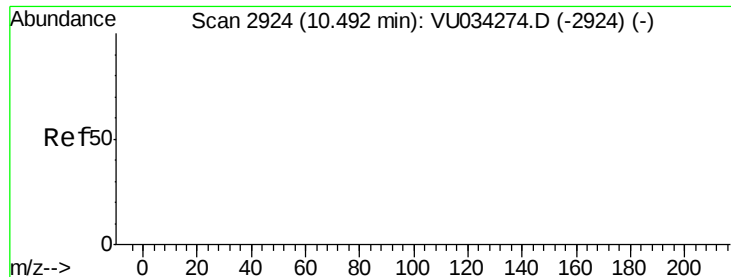
105 100

120 50.2 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034319.D (-2912) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.987 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VU034319.D

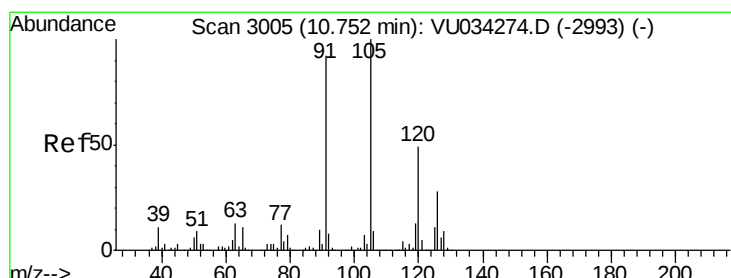
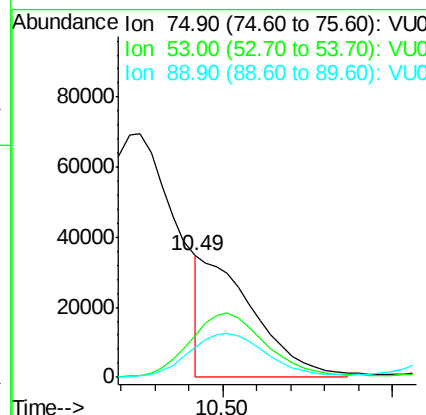
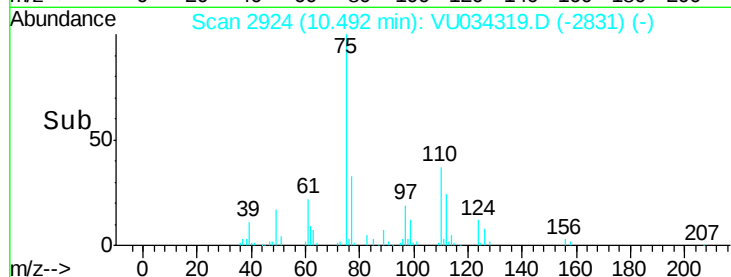
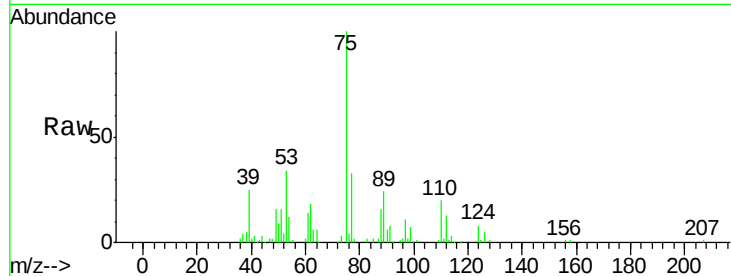
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	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: 19.989 ug/l

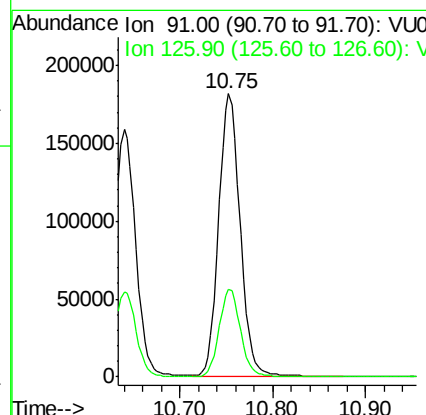
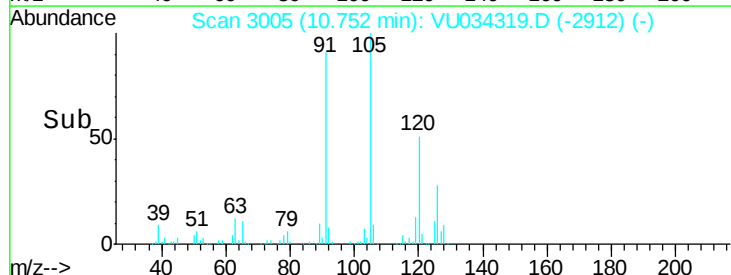
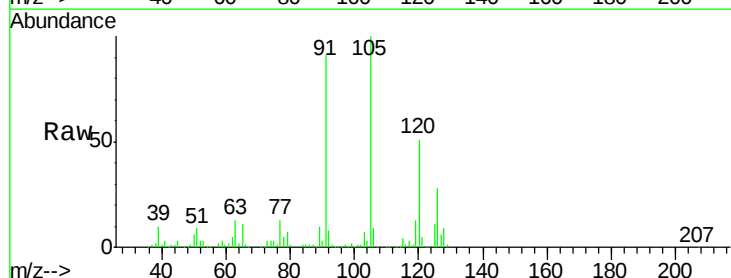
RT: 10.75 min Scan# 3005

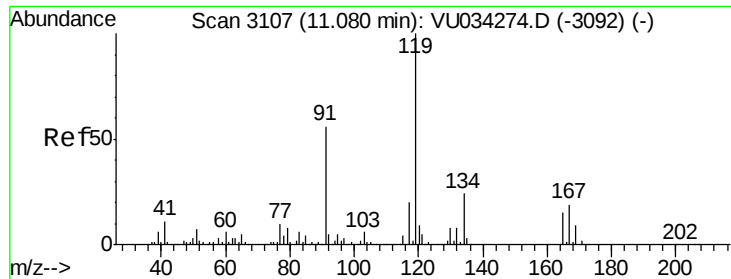
Delta R.T. 0.00 min

Lab File: VU034319.D

Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.8	15.3	45.8





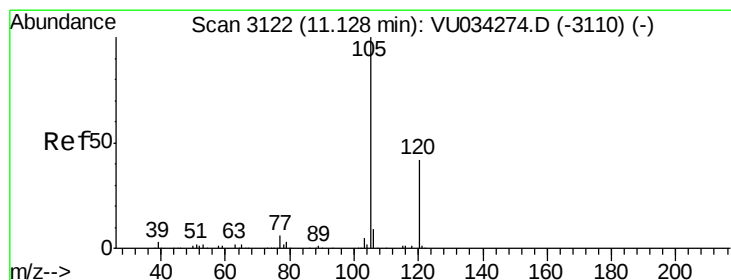
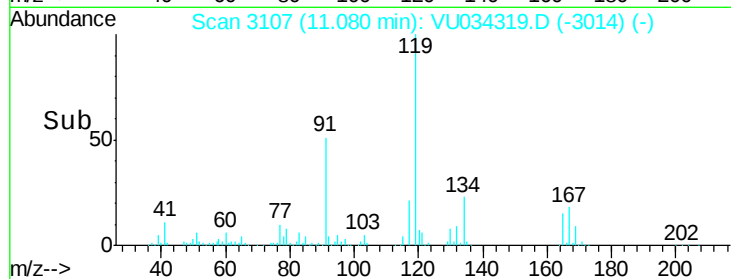
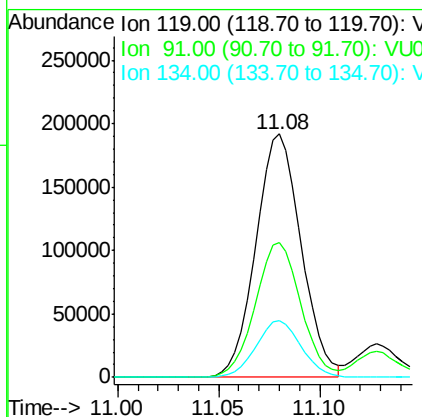
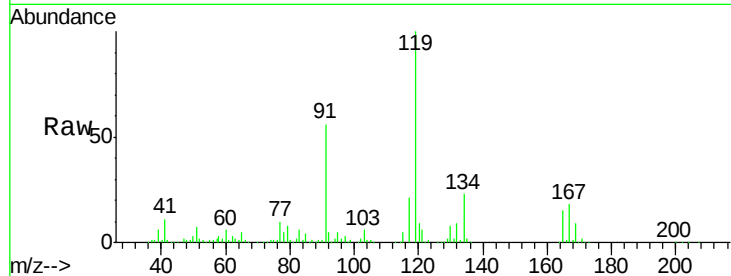
#83
 tert-Butylbenzene
 Concen: 19.942 ug/l
 RT: 11.08 min Scan# 3107
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	301059		
91	55.6	27.8	83.4	
134	23.3	11.7	35.0	

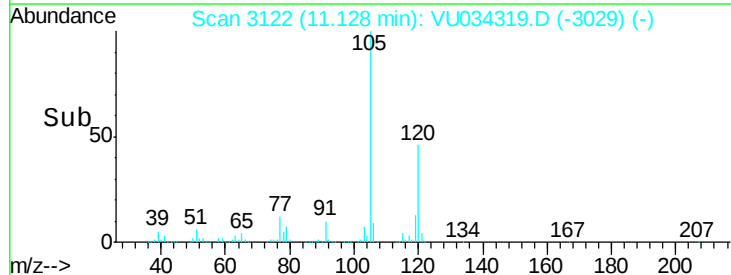
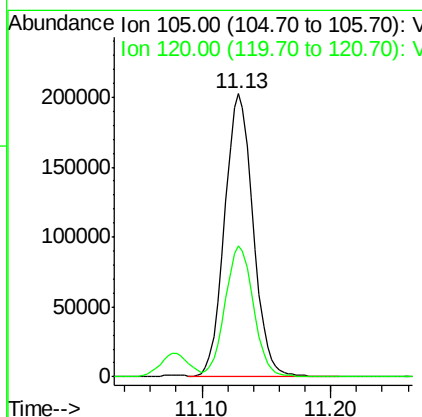
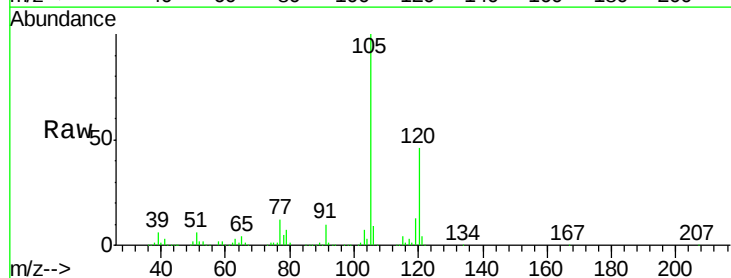
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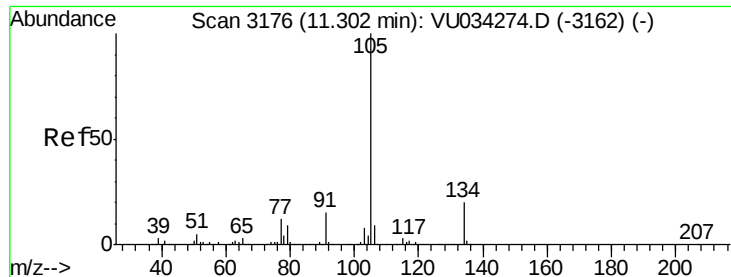
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.321 ug/l
 RT: 11.13 min Scan# 3122
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	308692		
120	46.3	22.9	68.8	





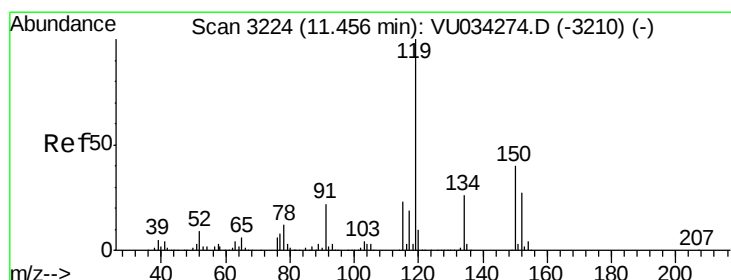
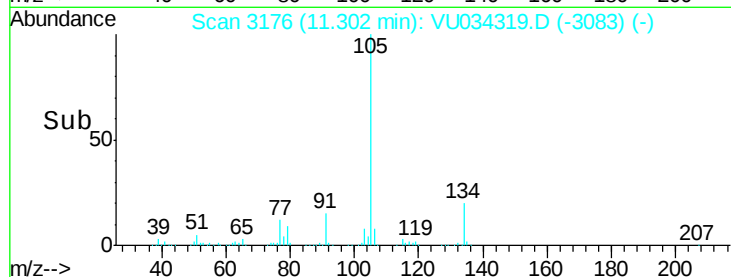
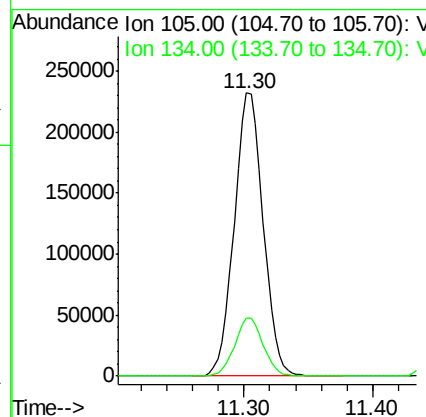
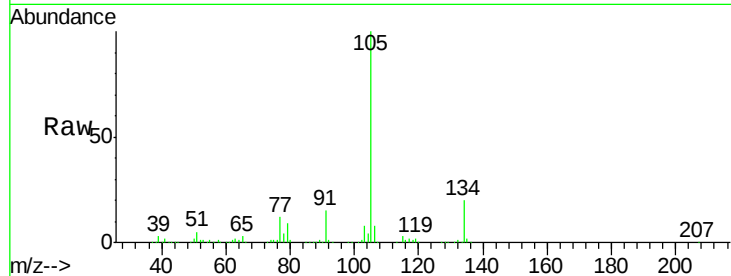
#85
 sec-Butylbenzene
 Concen: 20.223 ug/l
 RT: 11.30 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.1	30.3

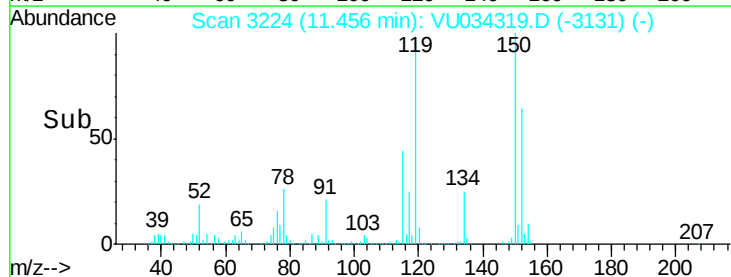
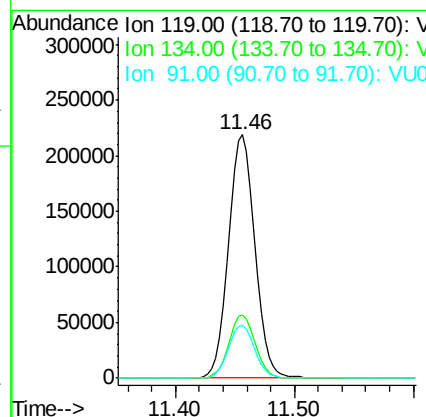
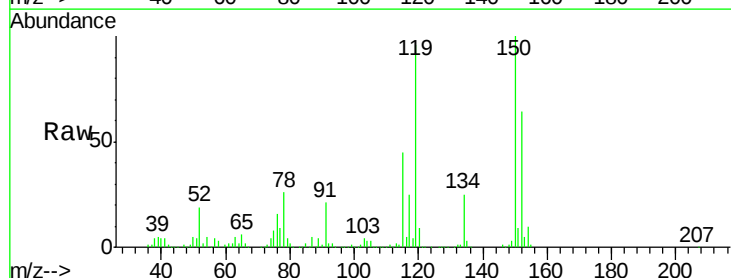
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#86
 p-Isopropyltoluene
 Concen: 20.331 ug/l
 RT: 11.46 min Scan# 3224
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	13.3	39.8
91	21.6	11.2	33.6





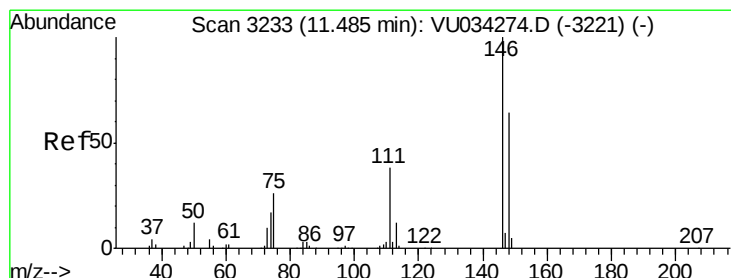
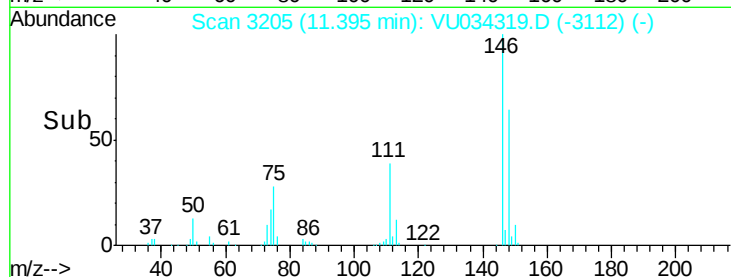
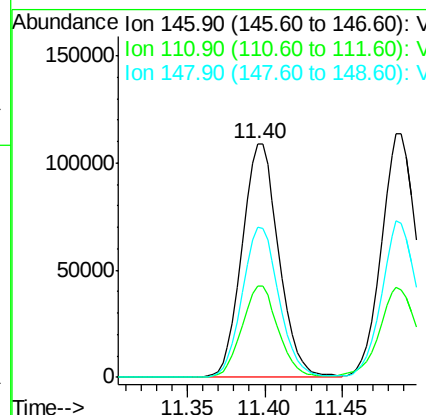
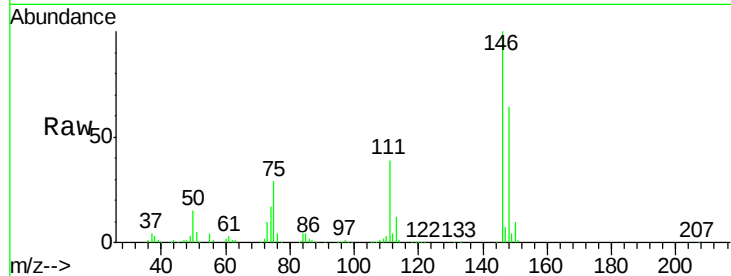
#87
 1,3-Dichlorobenzene
 Concen: 19.563 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.3	32.1	96.3

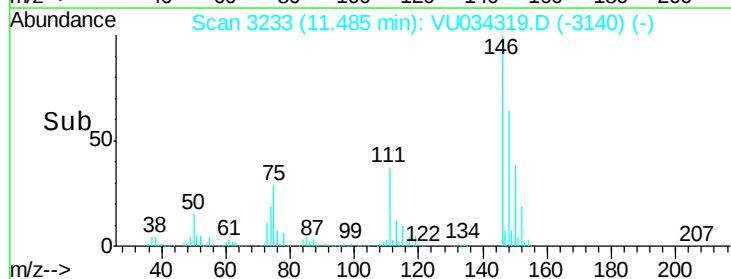
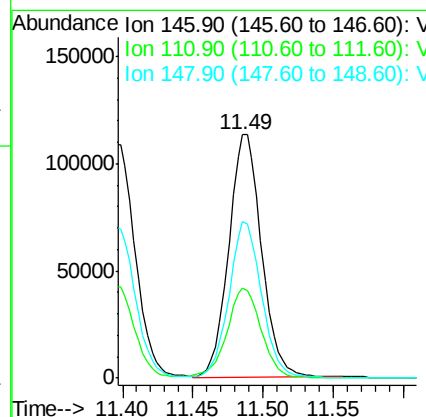
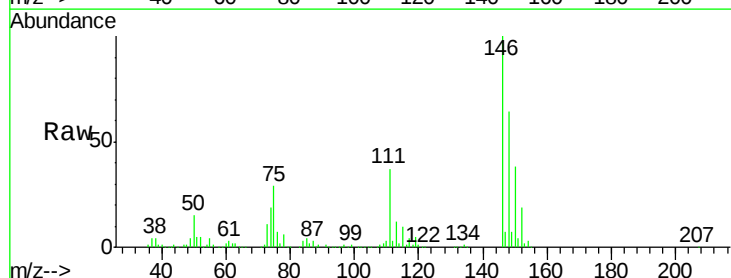
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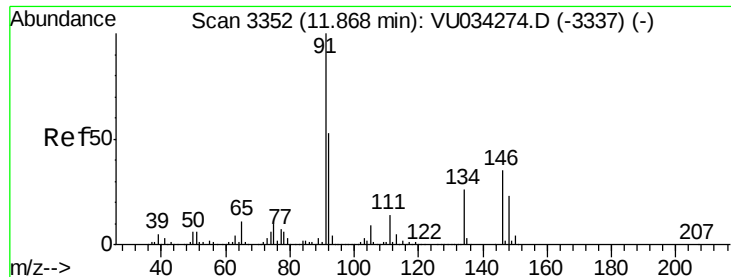
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#88
 1,4-Dichlorobenzene
 Concen: 19.138 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.1	57.3
148	63.8	32.0	96.0





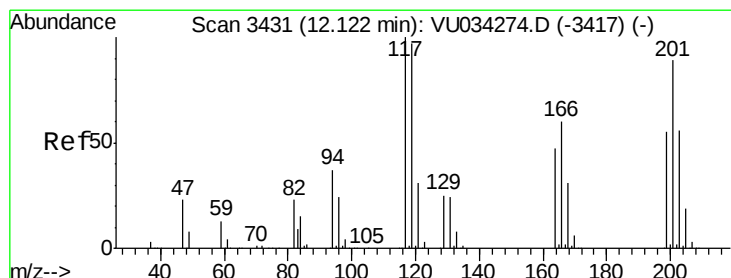
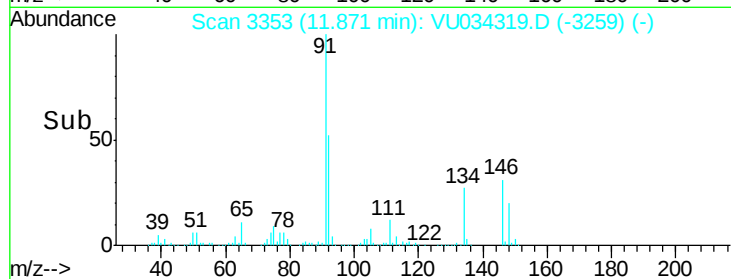
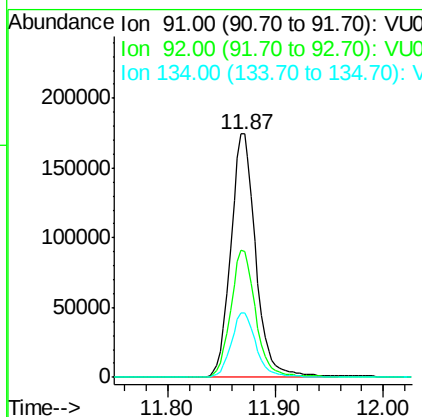
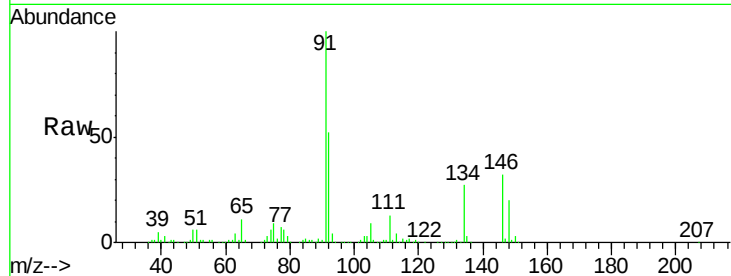
#89
n-Butylbenzene
Concen: 19.794 ug/l
RT: 11.87 min Scan# 3353
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.5	79.4
134	26.5	13.2	39.6

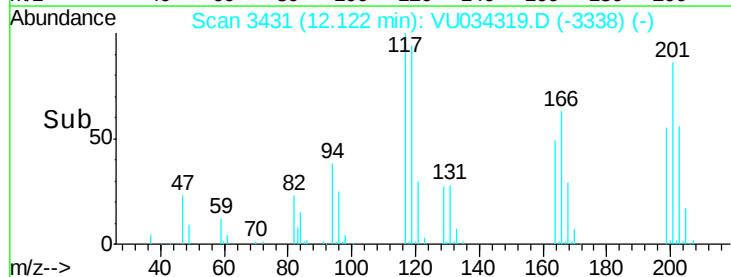
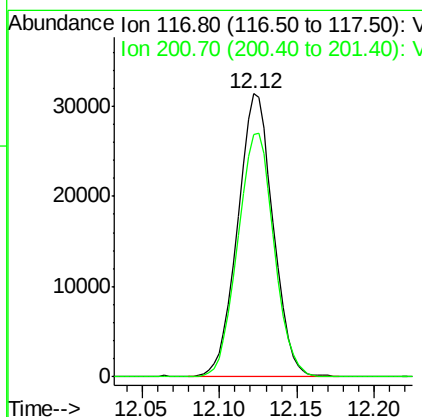
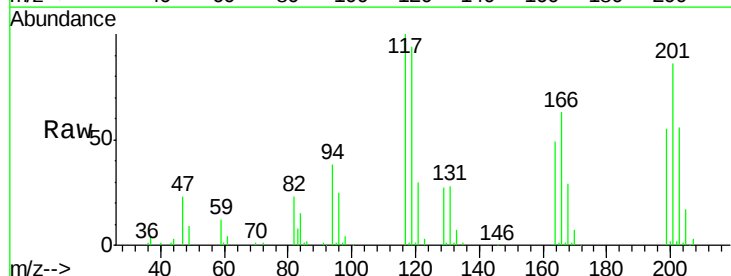
Manual Integrations
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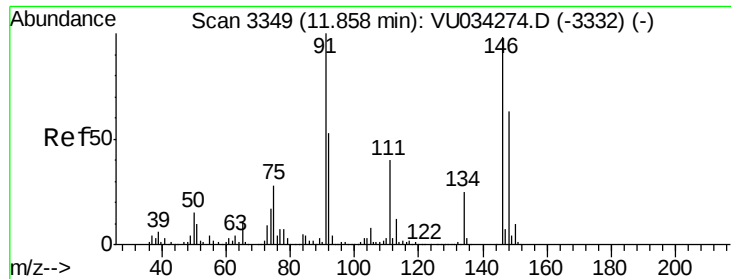
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#90
Hexachloroethane
Concen: 18.998 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.1	44.1	132.4





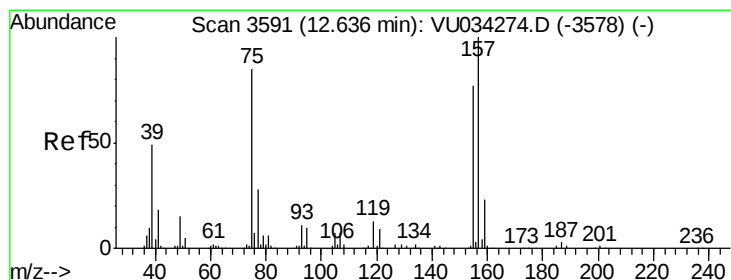
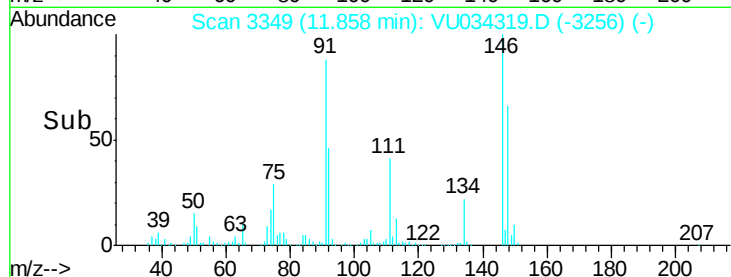
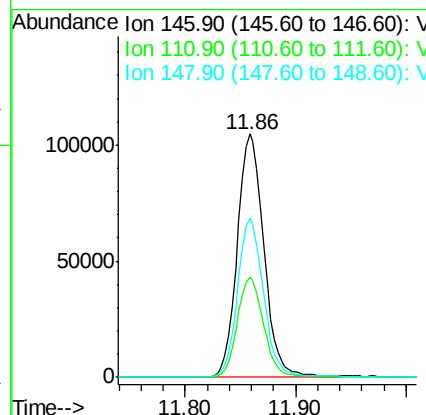
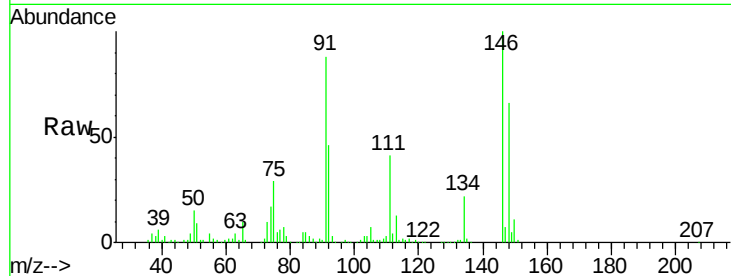
#91
 1,2-Dichlorobenzene
 Concen: 19.445 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	175941		
111	40.6	20.0	60.0	
148	63.9	31.6	94.8	

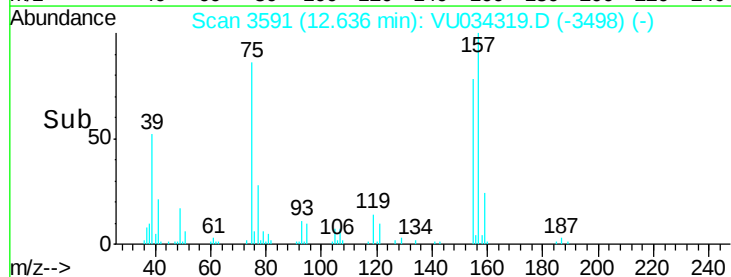
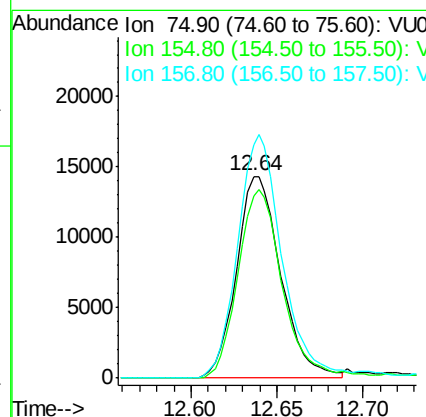
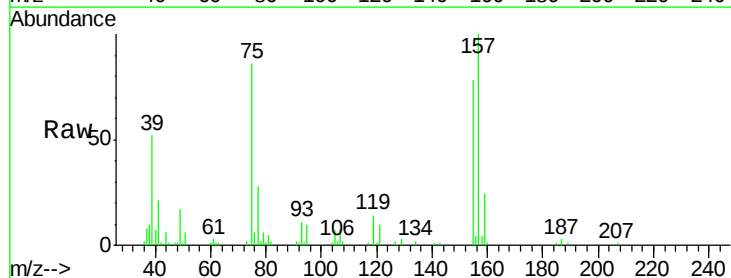
Manual Integrations
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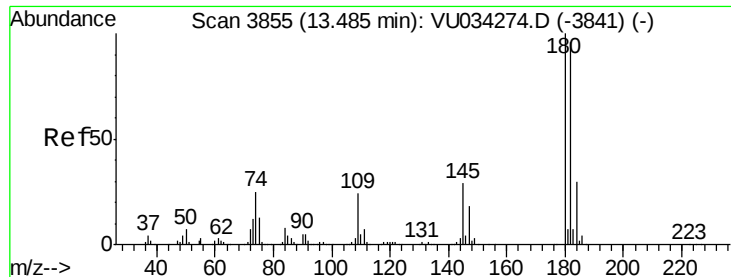
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.213 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25787		
155	93.7	44.6	134.0	
157	120.2	58.2	174.6	





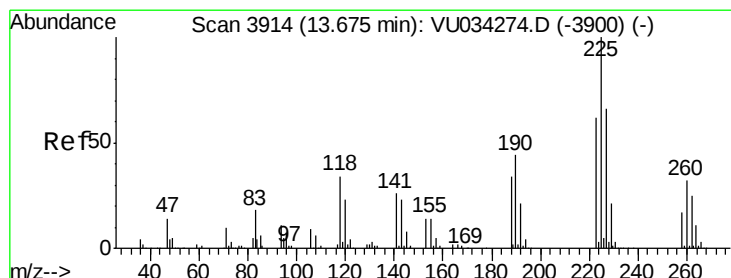
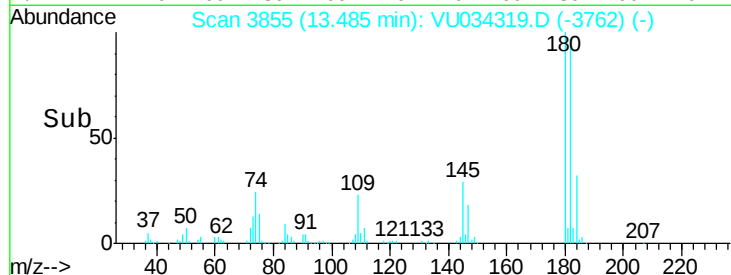
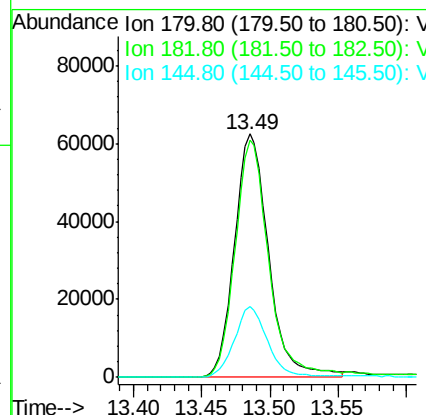
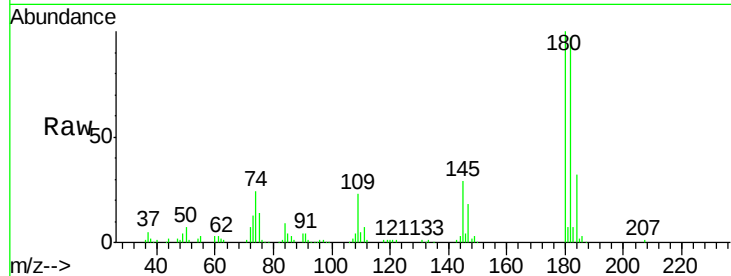
#93
 1,2,4-Trichlorobenzene
 Concen: 18.895 ug/l
 RT: 13.49 min Scan# 3855
 Delta R.T. 0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0907WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108860		
182	96.0	47.9	143.8	
145	28.5	14.4	43.0	

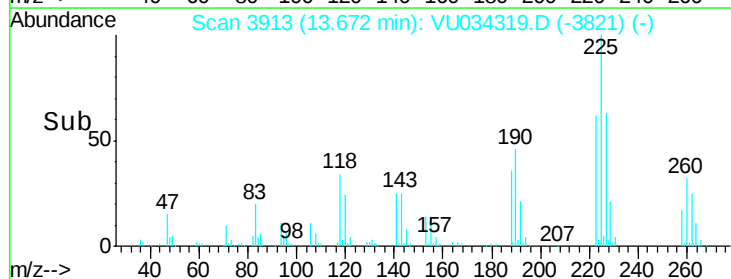
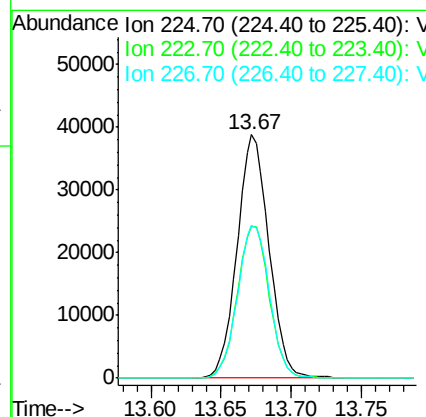
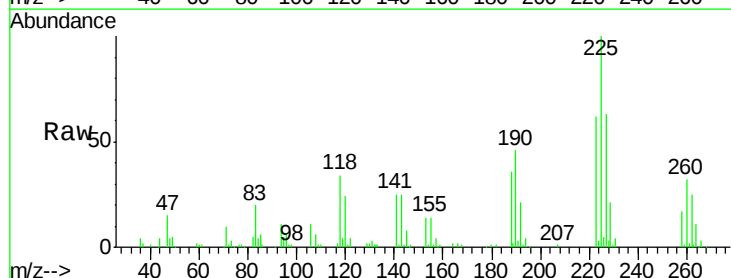
Manual Integrations
 APPROVED

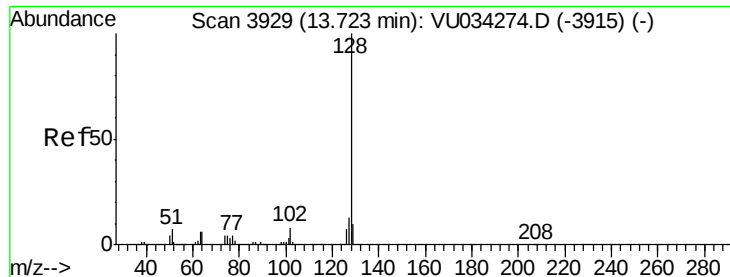
MMDadoda
 9/10/2019 10:48:40 AM



#94
 Hexachlorobutadiene
 Concen: 19.387 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034319.D
 Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61360		
223	62.8	31.6	94.7	
227	63.5	32.3	96.8	





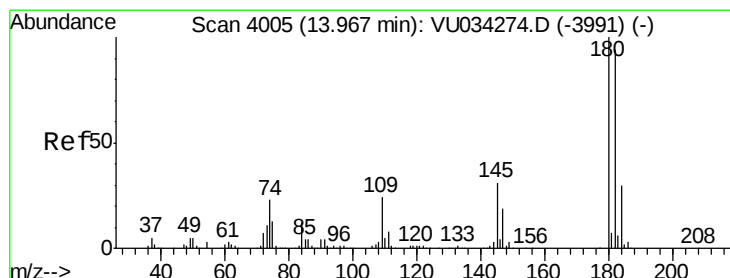
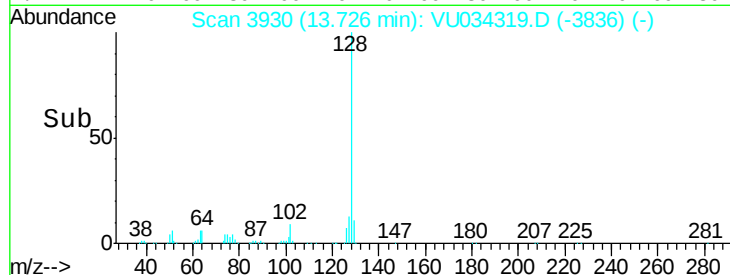
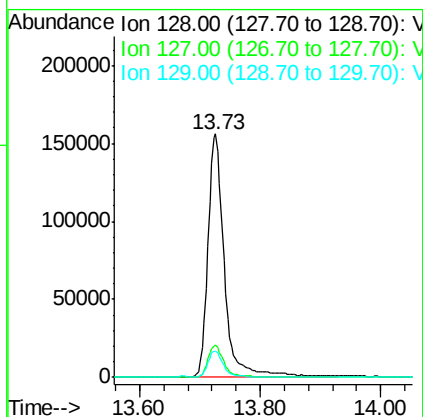
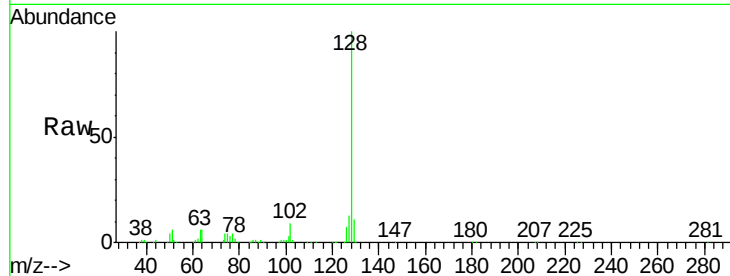
#95
Naphthalene
Concen: 18.685 ug/l
RT: 13.73 min Scan# 3930
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Instrument :
MSVOA_U
ClientSampleId :
VU0907WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.6	15.8
129	10.0	8.4	12.6

Manual Integrations
APPROVED

MMDadoda
9/10/2019 10:48:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.359 ug/l
RT: 13.97 min Scan# 4006
Delta R.T. 0.00 min
Lab File: VU034319.D
Acq: 06 Sep 2019 10:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.4	48.4	145.0
145	29.9	15.4	46.4

