

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100819\
 Data File : VU034984.D
 Acq On : 08 Oct 2019 11:27
 Operator : JC/SP
 Sample : MDL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:47:45 PM

Quant Time: Oct 09 07:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Oct 09 07:15:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	185380	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	184457	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	79649	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46722	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.67	69	45230	4.42	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.26	63	71848	3.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.20%
20) 2-Butanone-d5	4.19	46	161228	49.96	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.92%
24) Chloroform-d	4.62	84	85525	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.40%
26) 1,2-Dichloroethane-d4	5.29	65	56639	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.32	84	197190	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.31	67	68583	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.80%
41) Toluene-d8	7.54	98	178523	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	7.84	79	20758	3.99	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.80%
46) 2-Hexanone-d5	8.30	63	115937	46.84	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.68%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	58014	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	67316	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	4404	0.260	ug/L	96
3) Chloromethane	1.32	50	4859	0.261	ug/L	97
5) Vinyl chloride	1.40	62	4859	0.266	ug/L	90
6) Bromomethane	1.62	94	2431	0.240	ug/L	81
8) Chloroethane	1.69	64	3086	0.282	ug/L	97
9) Trichlorofluoromethane	1.87	101	5892	0.267	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3574	0.282	ug/L	88
12) 1,1-Dichloroethene	2.27	96	3542	0.297	ug/L #	1
13) Acetone	2.34	43	8261	3.126	ug/L	66
14) Carbon disulfide	2.47	76	9574	0.242	ug/L #	93
15) Methyl Acetate	2.62	43	2014	0.286	ug/L #	84
16) Methylene chloride	2.69	84	5745	0.390	ug/L	95
17) Methyl tert-butyl Ether	2.99	73	8561	0.264	ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	3356	0.263	ug/L	97
19) 1,1-Dichloroethane	3.42	63	6620	0.261	ug/L	95
21) 2-Butanone	4.28	43	9800m	2.604	ug/L	
22) cis-1,2-Dichloroethene	4.20	96	3244	0.228	ug/L	80

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 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.52	128	1588	0.266	ug/L	93
25) Chloroform	4.65	83	25687	0.902	ug/L	100
27) 1,2-Dichloroethane	5.38	62	4609	0.277	ug/L	98
29) 1,1,1-Trichloroethane	4.89	97	4620	0.223	ug/L	95
30) Cyclohexane	4.97	56	5121	0.225	ug/L	97
31) Carbon tetrachloride	5.11	117	4542	0.253	ug/L	98
33) Benzene	5.37	78	13512	0.243	ug/L	100
34) Trichloroethene	6.17	95	3293	0.230	ug/L	92
35) Methylcyclohexane	6.39	83	5274	0.227	ug/L	93
37) 1,2-Dichloropropane	6.41	63	4006	0.267	ug/L #	88
38) Bromodichloromethane	6.74	83	4514	0.257	ug/L	97
39) cis-1,3-Dichloropropene	7.26	75	4732m	0.233	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	20562	2.180	ug/L #	83
42) Toluene	7.62	91	14274	0.246	ug/L	89
44) trans-1,3-Dichloropropene	7.86	75	3258m	0.207	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	2518	0.253	ug/L	93
47) Tetrachloroethene	8.21	164	2761	0.238	ug/L	93
48) 2-Hexanone	8.35	43	17286	2.673	ug/L	97
49) Dibromochloromethane	8.45	129	2408	0.209	ug/L	100
50) 1,2-Dibromoethane	8.57	107	2258	0.237	ug/L #	91
51) Chlorobenzene	9.10	112	9129	0.243	ug/L	97
52) Ethylbenzene	9.23	91	14932	0.233	ug/L	97
53) m,p-Xylene	9.35	106	5304	0.224	ug/L	99
54) o-Xylene	9.76	106	5168	0.223	ug/L	94
55) Styrene	9.78	104	6919	0.185	ug/L	93
56) Isopropylbenzene	10.15	105	13216	0.214	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	3324	0.246	ug/L #	93
59) 1,2,3-Trichloropropane	10.48	75	2469m	0.254	ug/L	
61) Bromoform	9.94	173	1136	0.208	ug/L #	86
62) 1,3-Dichlorobenzene	11.40	146	6340	0.258	ug/L	95
63) 1,4-Dichlorobenzene	11.49	146	6708	0.271	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6287	0.266	ug/L	93
67) 1,3,5-Trichlorobenzene	12.88	180	3441	0.207	ug/L #	91
70) 1,2,3-Trichlorobenzene	13.99	180	1851m	0.153	ug/L	

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

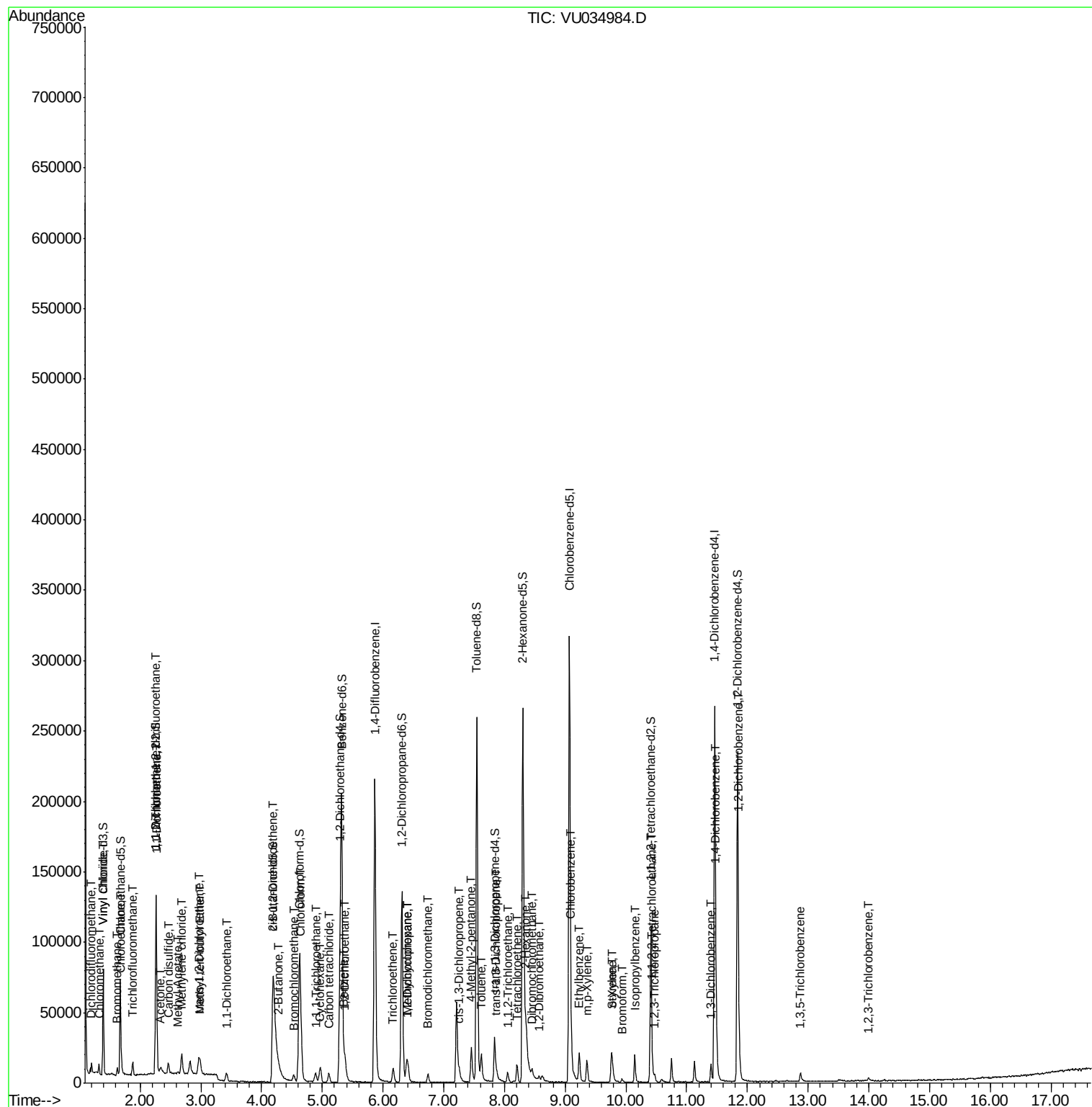
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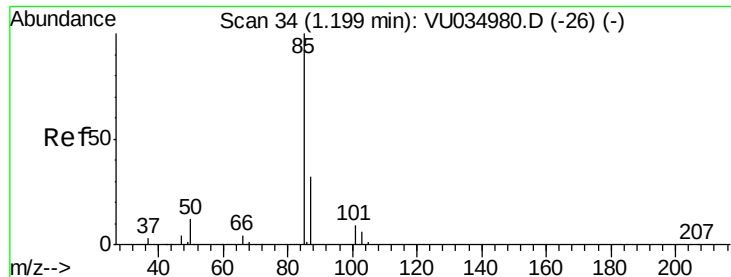
Instrument :
MSVOA_U
ClientSampleId :
MDL02

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.260 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 85 Resp: 4404

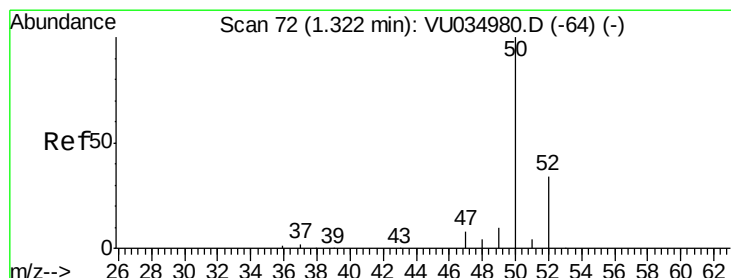
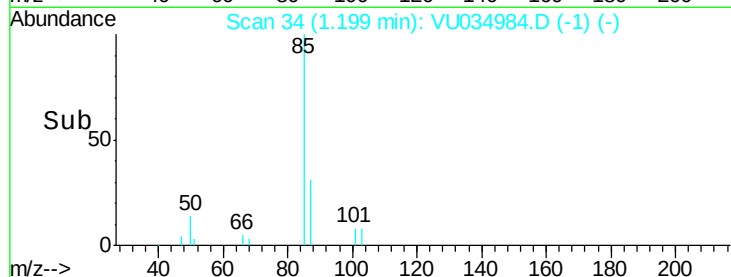
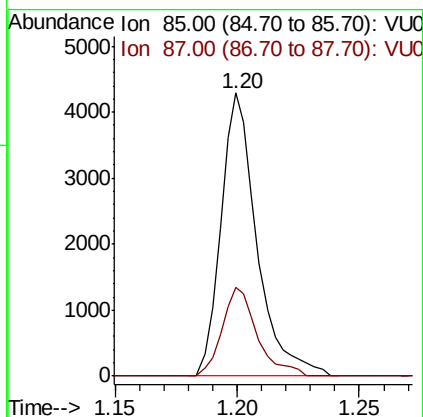
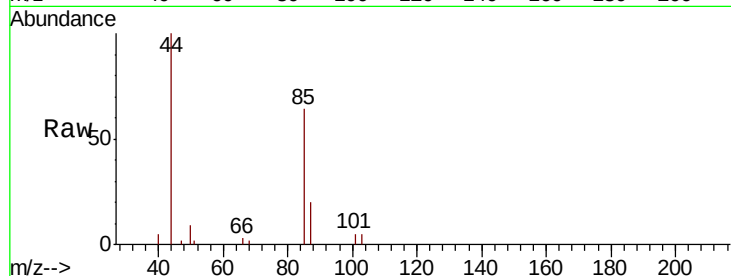
Ion Ratio Lower Upper

85 100

87 30.7 26.3 39.5

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#3

Chloromethane

Concen: 0.261 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034984.D

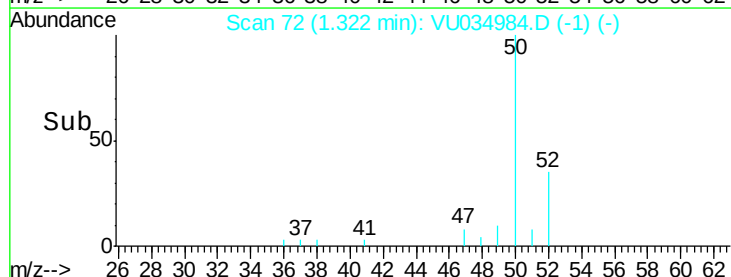
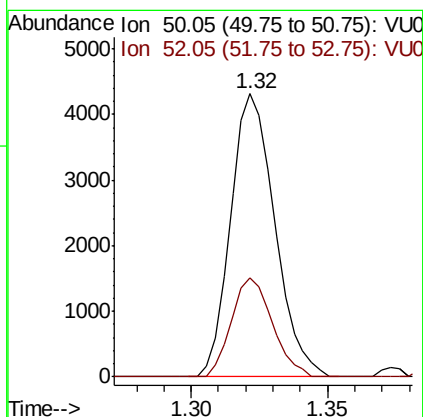
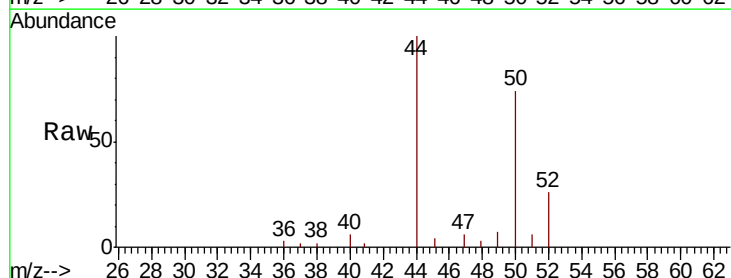
Acq: 08 Oct 2019 11:27

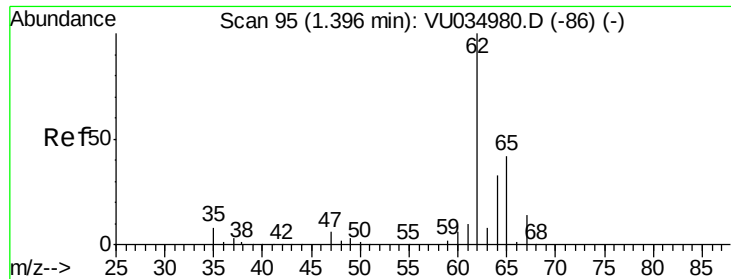
Tgt Ion: 50 Resp: 4859

Ion Ratio Lower Upper

50 100

52 35.0 23.3 43.3





#5

Vinyl chloride

Concen: 0.266 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 62 Resp: 4859

Ion Ratio Lower Upper

62 100

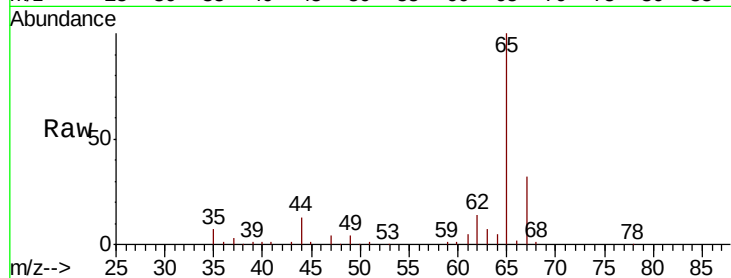
64 38.2 22.8 42.4

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.40

4000

3000

2000

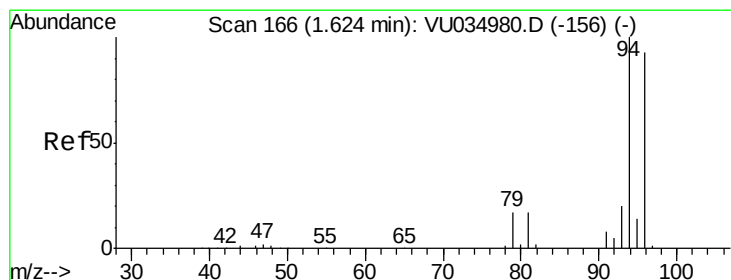
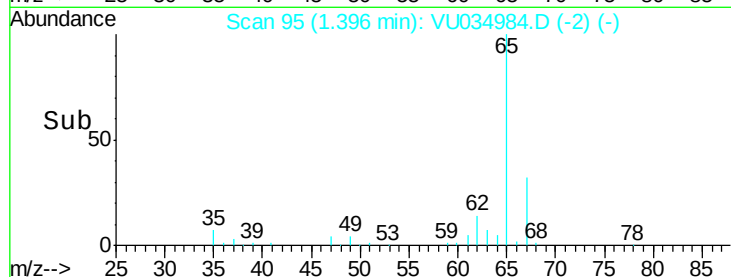
1000

0

1.35

1.40

Time-->



#6

Bromomethane

Concen: 0.240 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034984.D

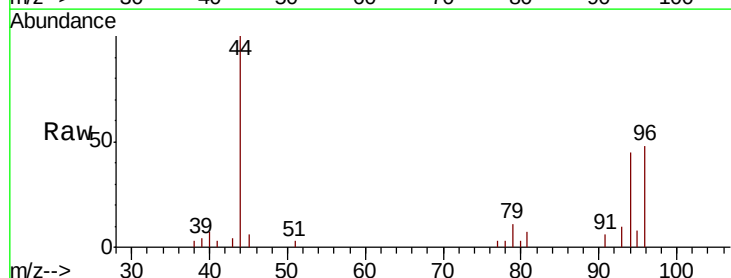
Acq: 08 Oct 2019 11:27

Tgt Ion: 94 Resp: 2431

Ion Ratio Lower Upper

94 100

96 107.4 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

2000

1500

1000

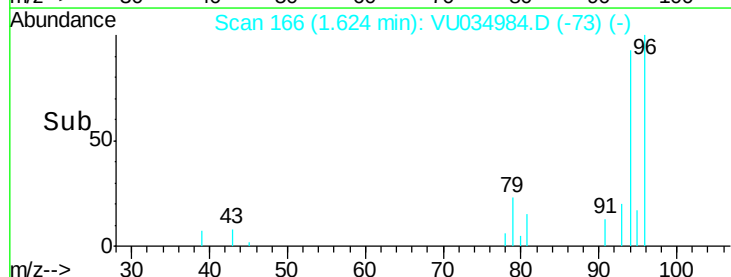
500

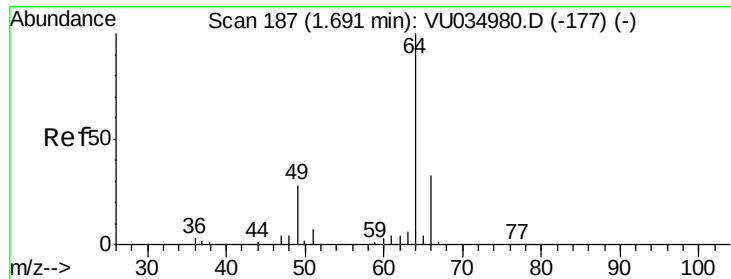
0

1.60

1.65

Time-->





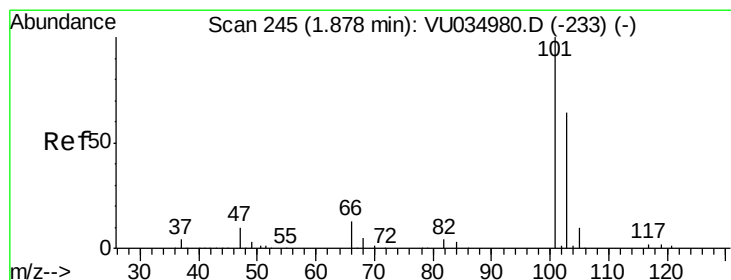
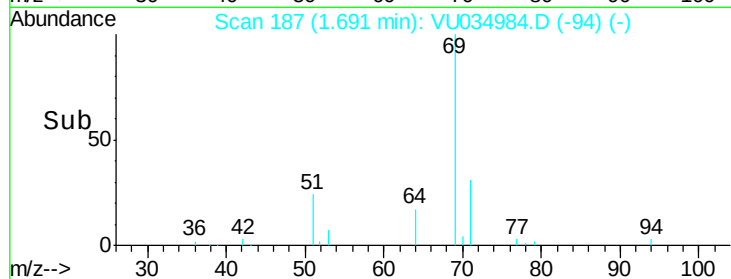
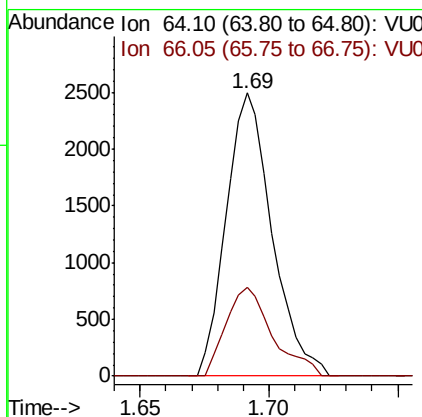
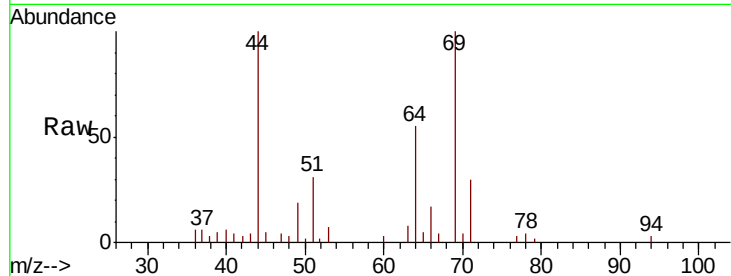
#8
 Chloroethane
 Concen: 0.282 ug/L
 RT: 1.69 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
64	100		
66	31.2	23.2	43.2

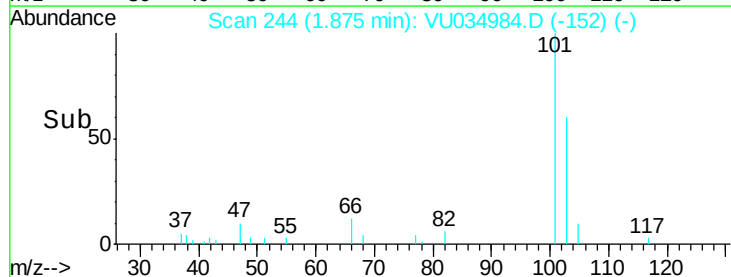
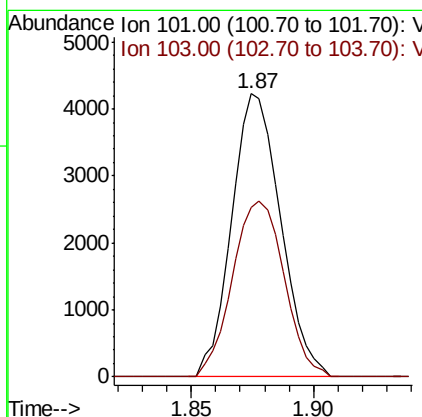
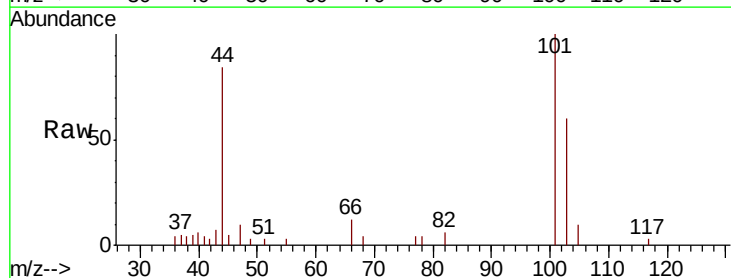
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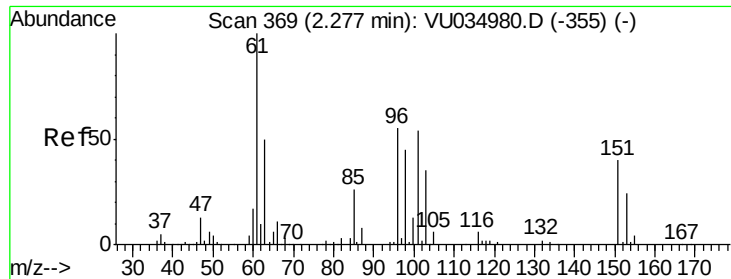
MMDadoda
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#9
 Trichlorofluoromethane
 Concen: 0.267 ug/L
 RT: 1.87 min Scan# 244
 Delta R.T. -0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.282 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

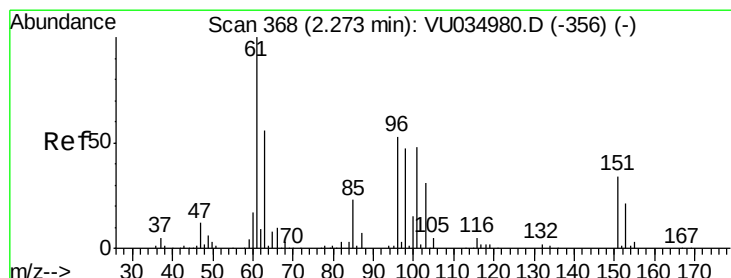
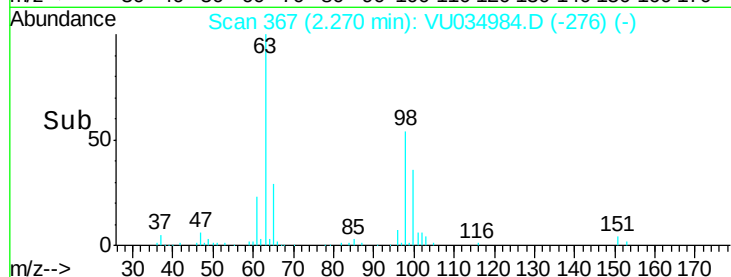
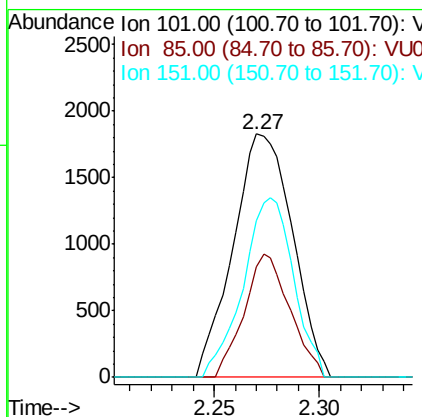
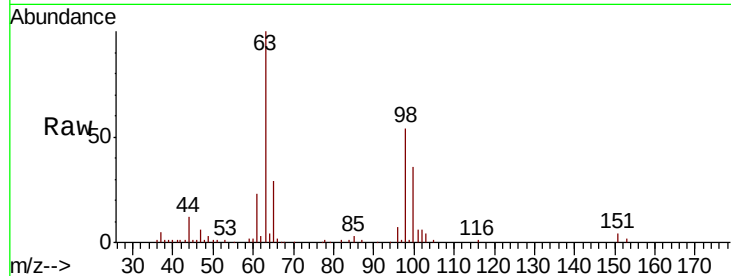
ClientSampled :

MDL02

Tot Ion:	101	Resp:	3574
Ion Ratio	Lower	Upper	
101	100		
85	39.1	37.4	56.0
151	62.6	58.6	87.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.297 ug/L

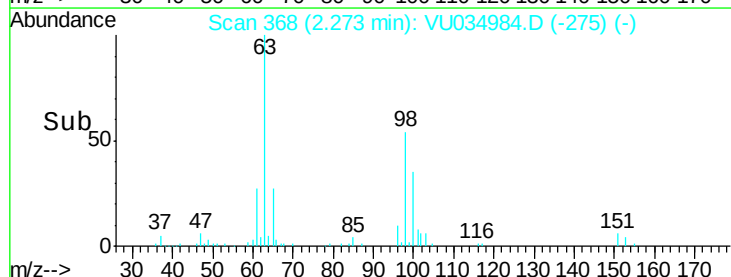
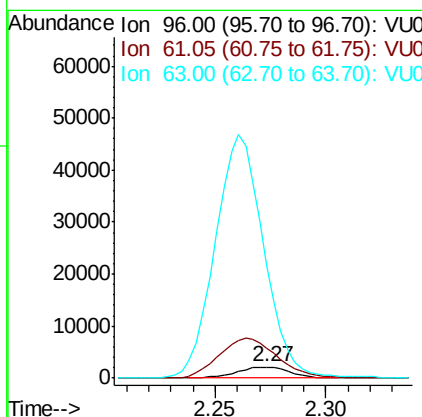
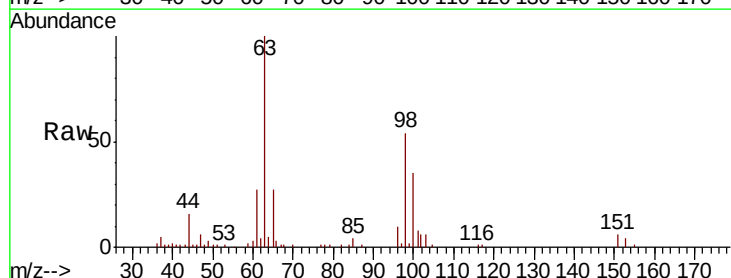
RT: 2.27 min Scan# 368

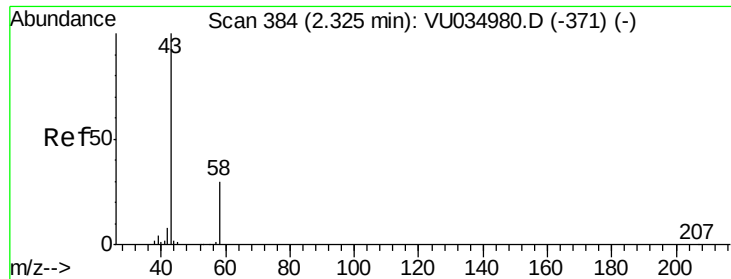
Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	96	Resp:	3542
Ion Ratio	Lower	Upper	
96	100		
61	273.9	129.3	240.1#
63	1023.2	108.9	202.3#





#13

Acetone

Concen: 3.126 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 43 Resp: 8261

Ion Ratio Lower Upper

43 100

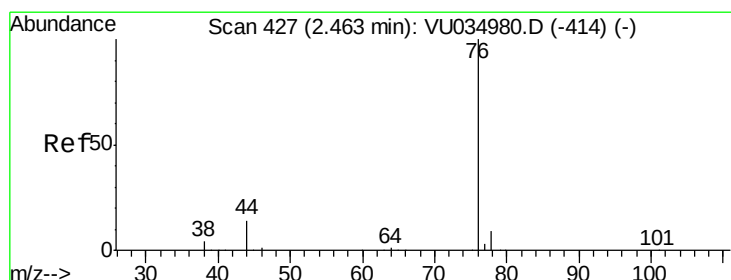
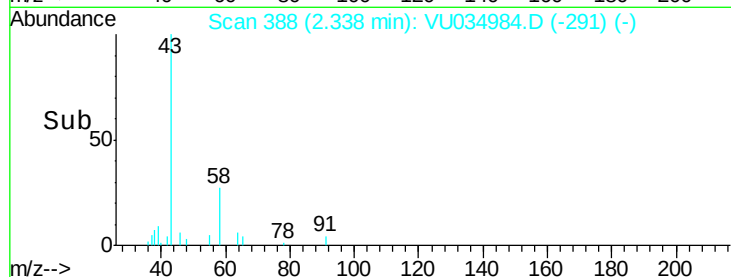
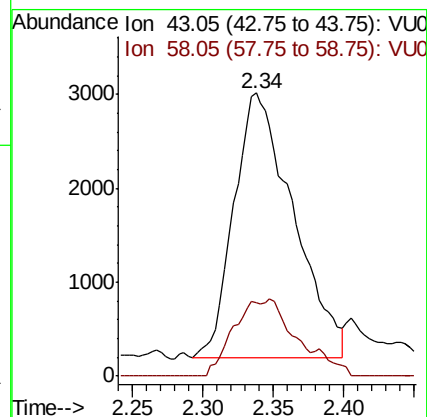
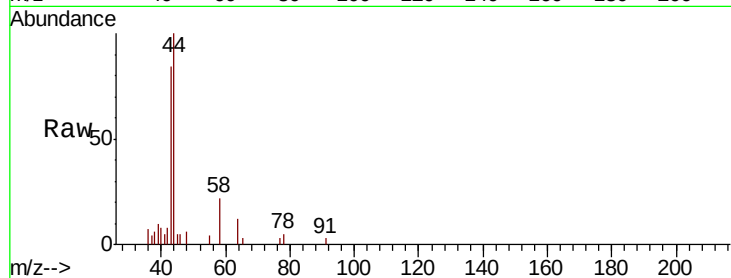
58 14.0 0.0 66.6

Manual Integrations

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#14

Carbon disulfide

Concen: 0.242 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VU034984.D

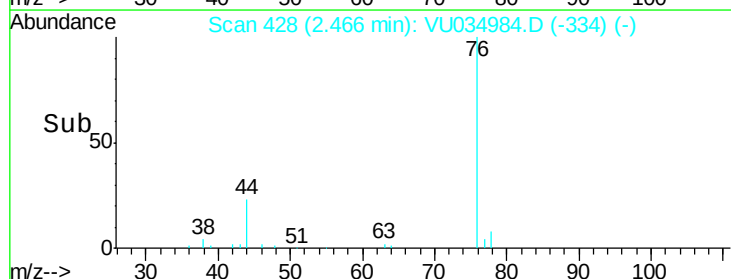
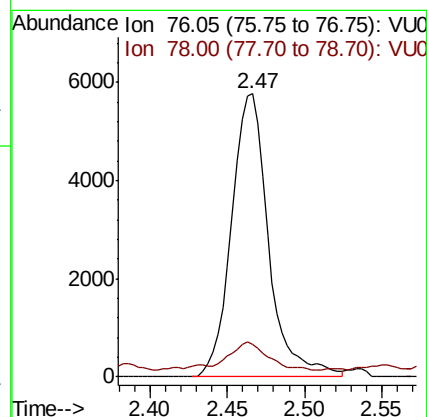
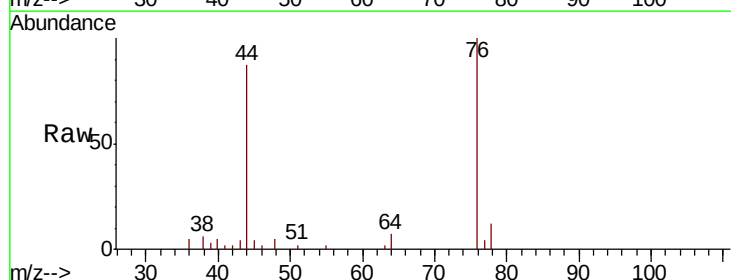
Acq: 08 Oct 2019 11:27

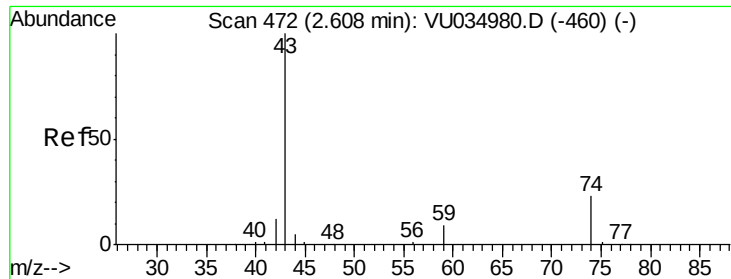
Tgt Ion: 76 Resp: 9574

Ion Ratio Lower Upper

76 100

78 11.6 7.1 10.7#





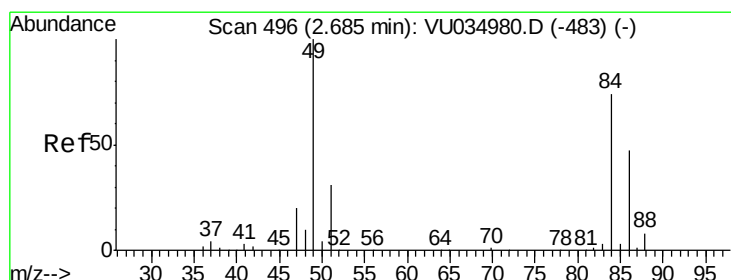
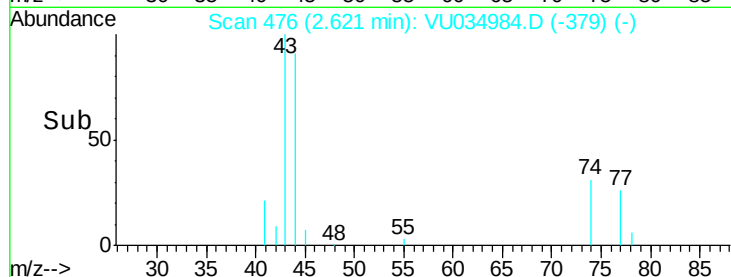
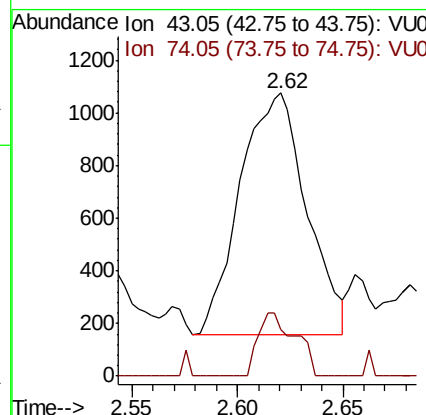
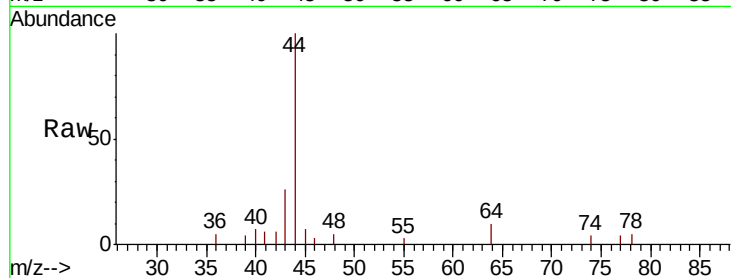
#15
Methyl Acetate
Concen: 0.286 ug/L
RT: 2.62 min Scan# 476
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion: 43 Resp: 2014
Ion Ratio Lower Upper
43 100
74 14.6 17.8 26.8#

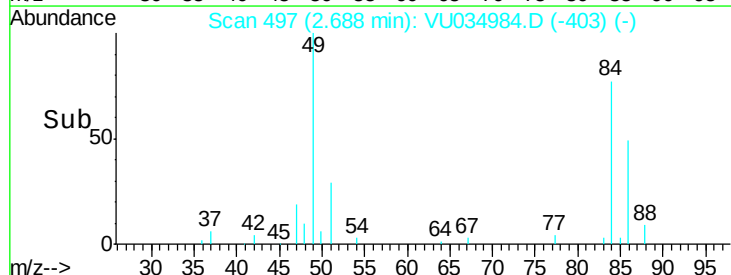
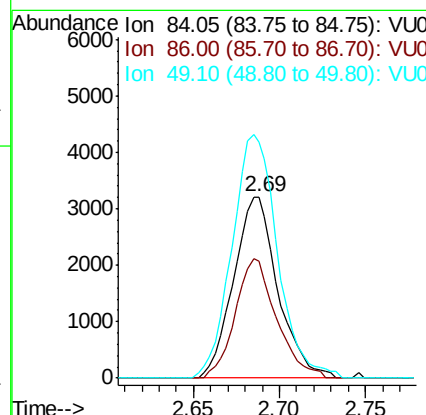
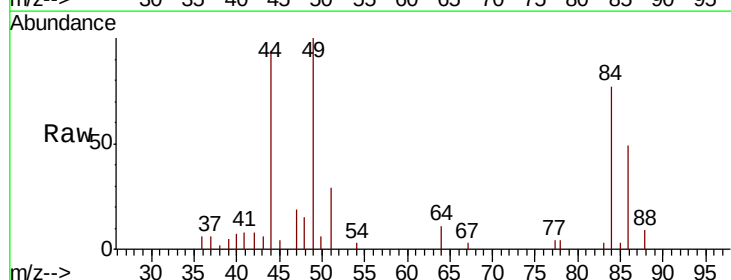
Manual Integrations
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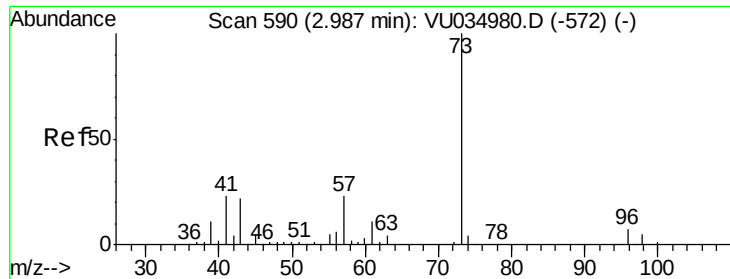
MMDadoda
10/9/2019 3:47:45 PM



#16
Methylene chloride
Concen: 0.390 ug/L
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 84 Resp: 5745
Ion Ratio Lower Upper
84 100
86 64.2 42.5 78.9
49 129.8 86.9 161.3





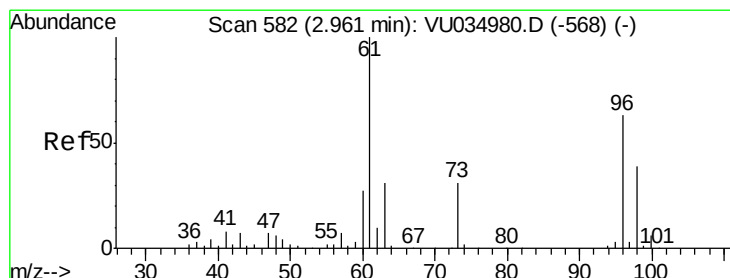
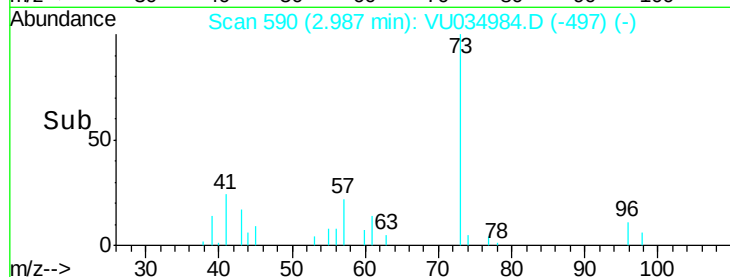
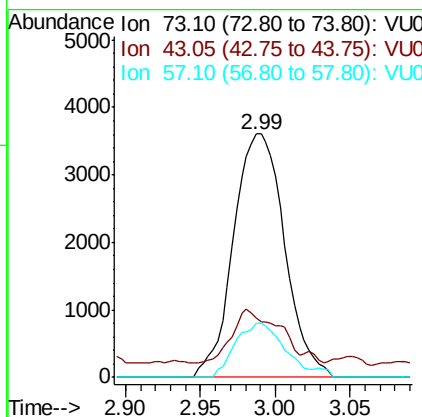
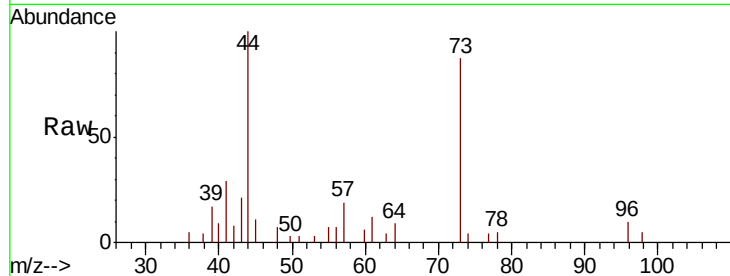
#17
Methyl tert-butyl Ether
Concen: 0.264 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion:	73	Resp:	8561
Ion	Ratio	Lower	Upper
73	100		
43	19.9	16.3	24.5
57	21.2	18.6	28.0

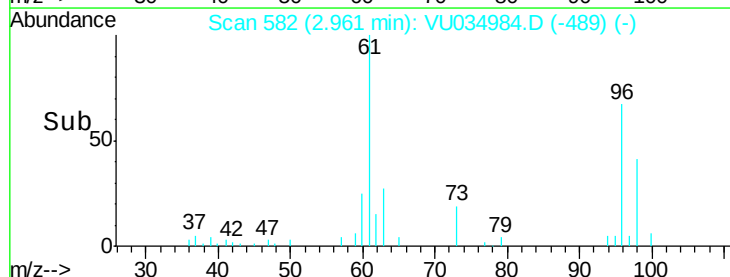
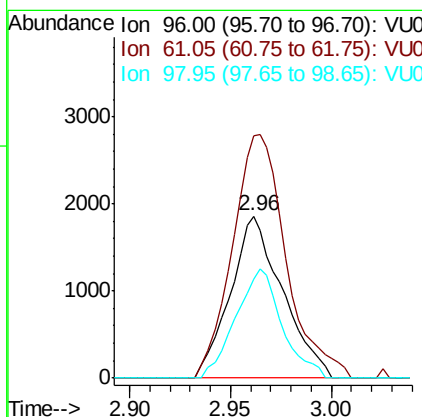
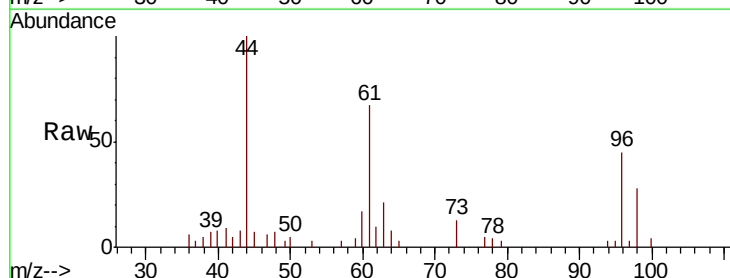
Manual Integrations
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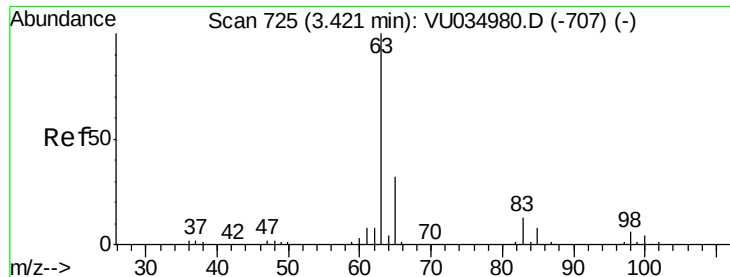
MMDadoda
10/9/2019 3:47:45 PM



#18
trans-1,2-Dichloroethene
Concen: 0.263 ug/L
RT: 2.96 min Scan# 582
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion:	96	Resp:	3356
Ion	Ratio	Lower	Upper
96	100		
61	149.3	107.1	198.9
98	61.4	45.4	84.4





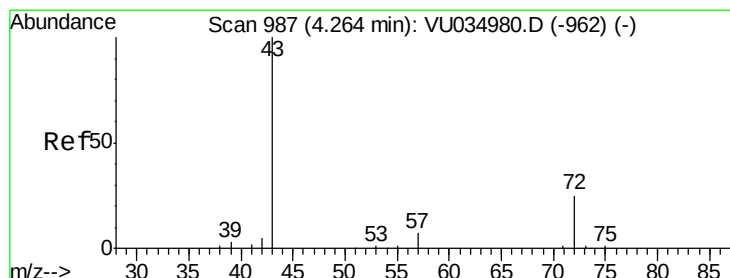
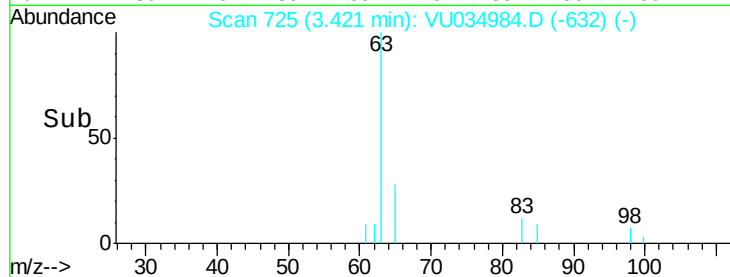
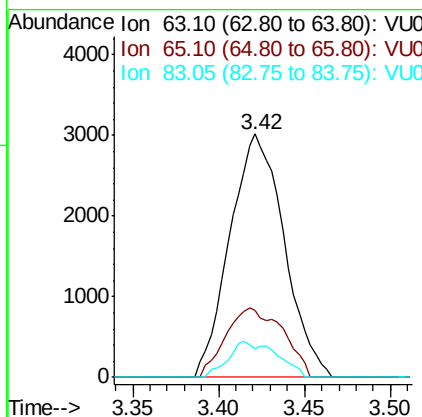
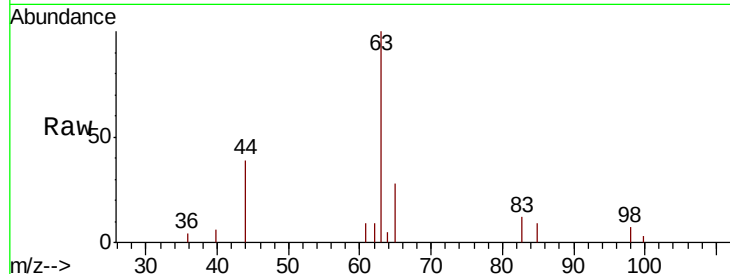
#19
 1,1-Dichloroethane
 Concen: 0.261 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	6620
Ion	Ratio	Lower	Upper
63	100		
65	27.6	21.7	40.3
83	12.0	9.0	16.8

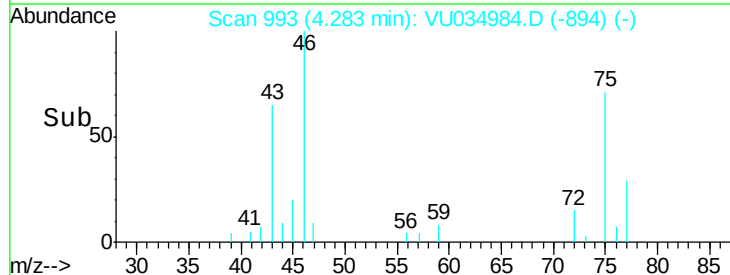
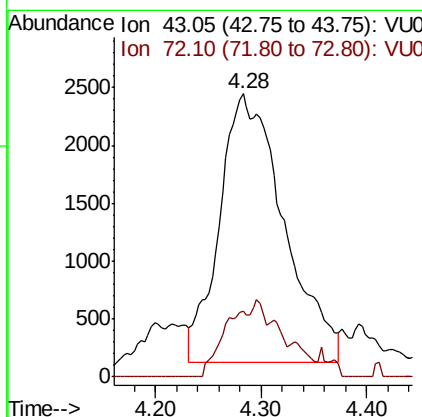
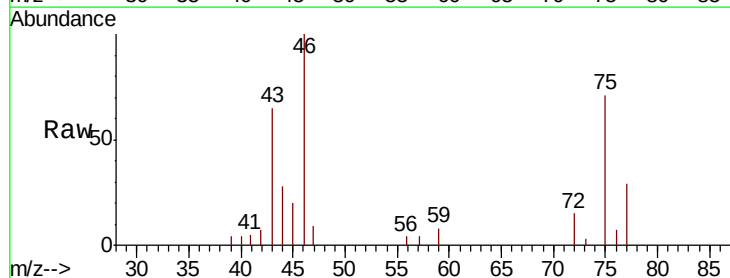
Manual Integrations
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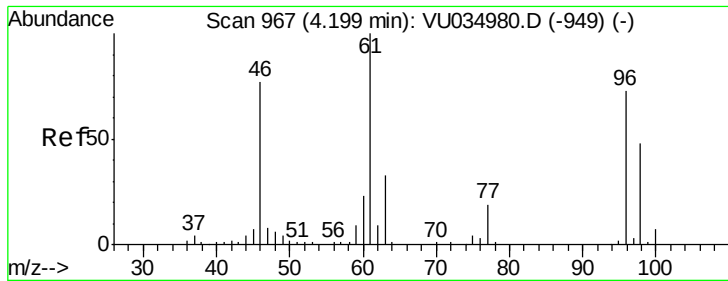
MMDadoda
 10/9/2019 3:47:45 PM



#21
 2-Butanone
 Concen: 2.604 ug/L m
 RT: 4.28 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion:	43	Resp:	9800
Ion	Ratio	Lower	Upper
43	100		
72	0.5	13.5	40.4#





#22

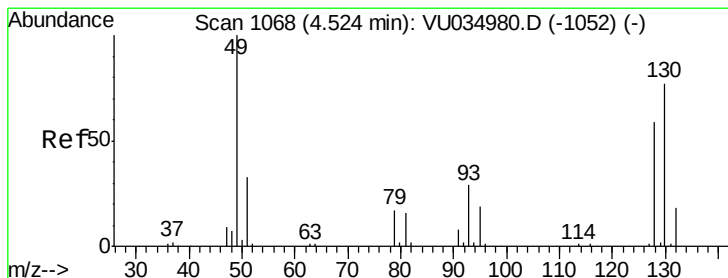
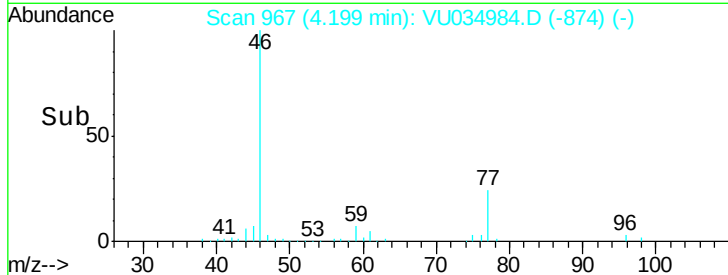
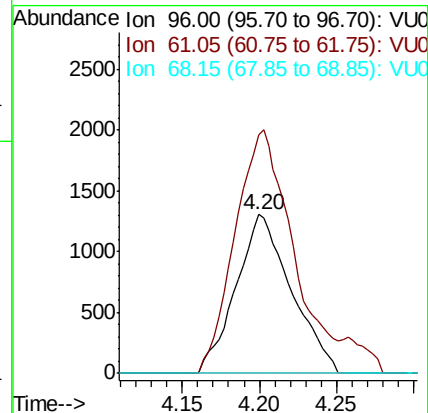
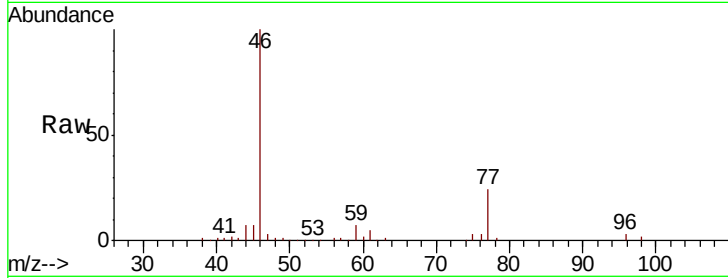
cis-1,2-Dichloroethene
Concen: 0.228 ug/L
RT: 4.20 min Scan# 967
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.0	89.2	165.6
68	0.0	0.0	0.0

Manual Integrations
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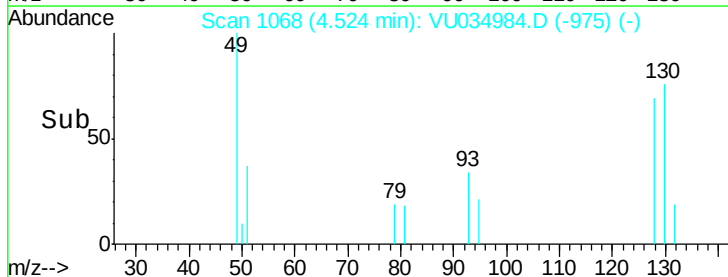
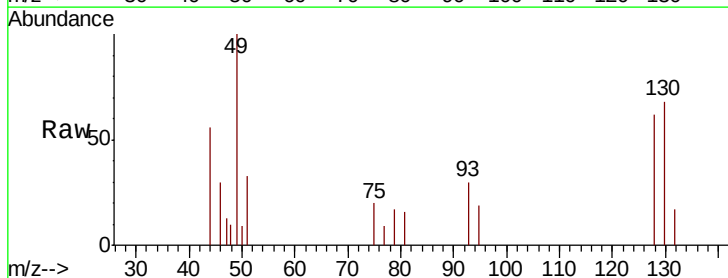
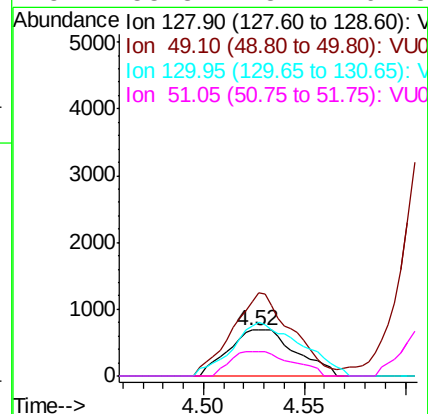
MMDadoda
10/9/2019 3:47:45 PM

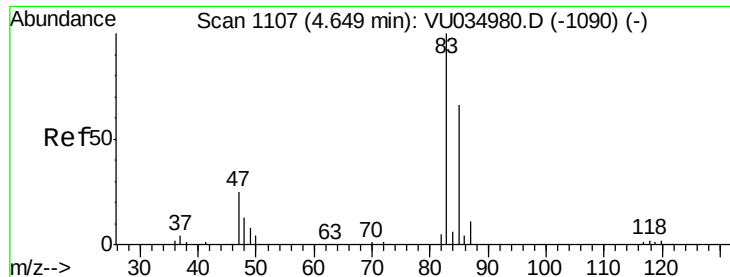


#23

Bromochloromethane
Concen: 0.266 ug/L
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
128	100		
49	162.0	110.5	205.3
130	109.6	88.6	164.6
51	53.3	43.2	64.8





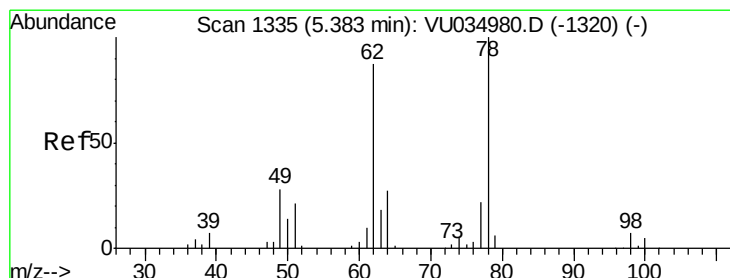
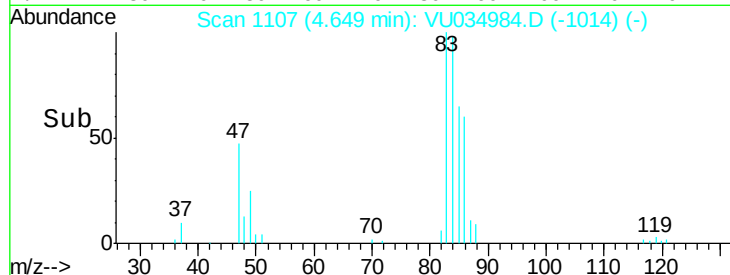
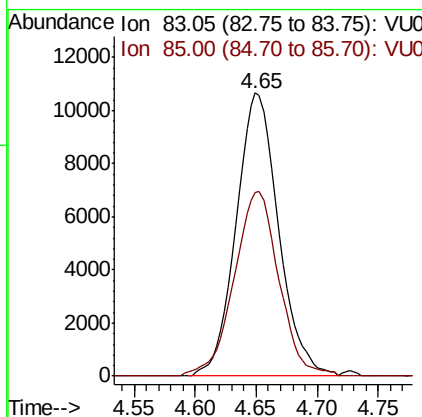
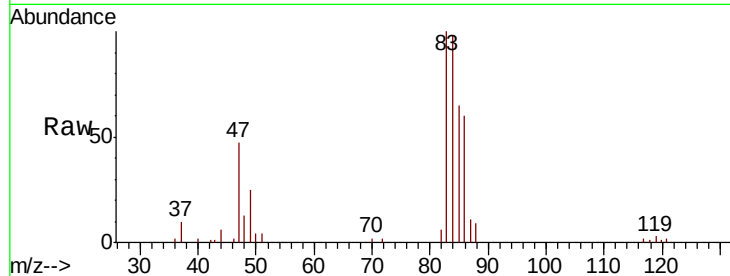
#25
Chloroform
Concen: 0.902 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 83 Resp: 25687
Ion Ratio Lower Upper
83 100
85 64.8 45.4 84.4

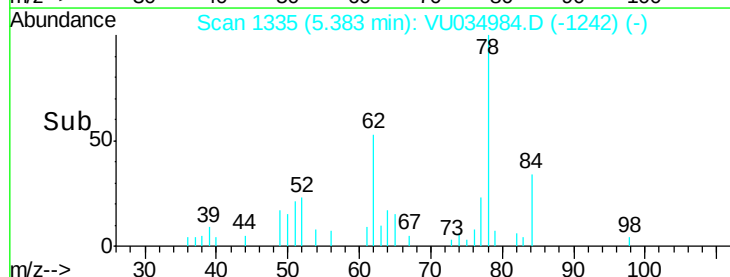
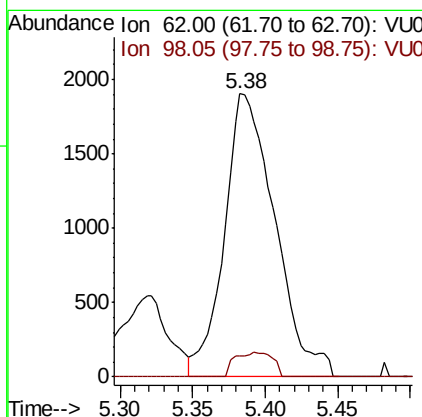
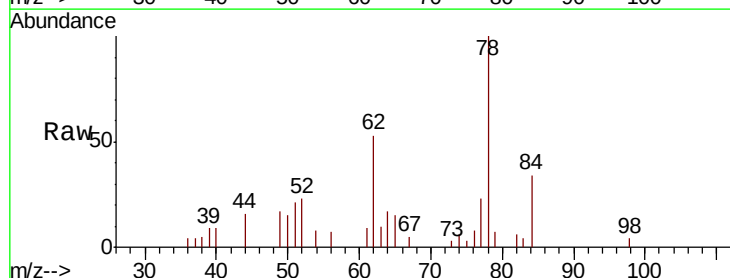
Manual Integrations
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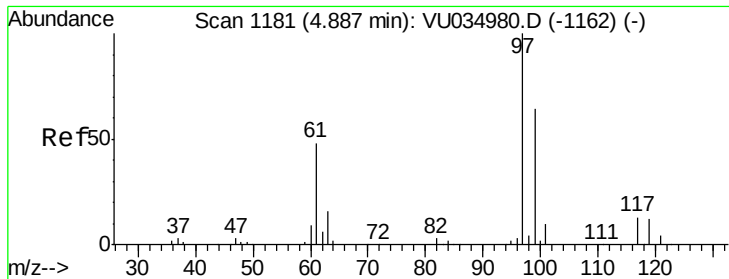
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.277 ug/L
RT: 5.38 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion: 62 Resp: 4609
Ion Ratio Lower Upper
62 100
98 7.6 6.6 10.0





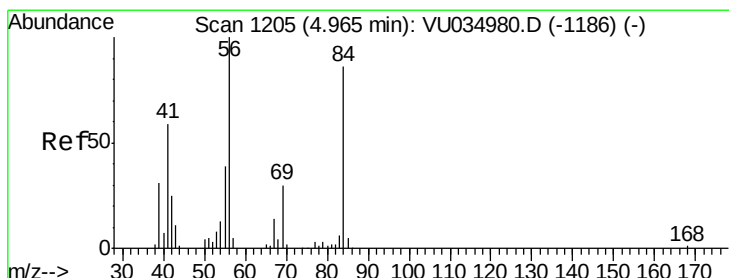
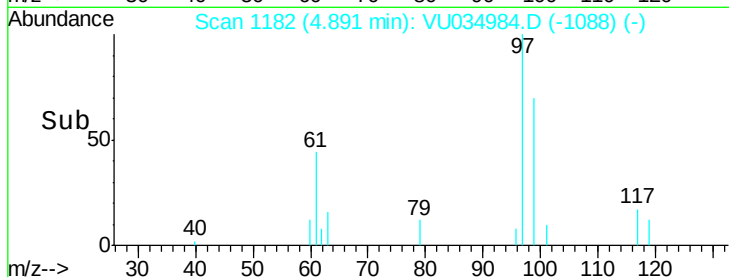
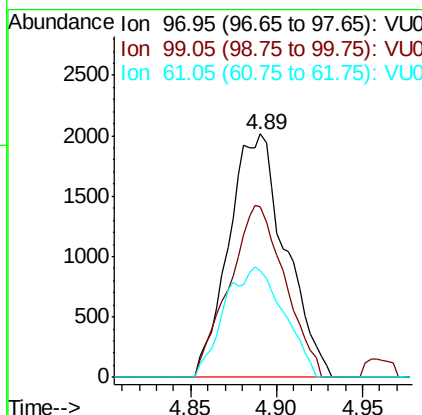
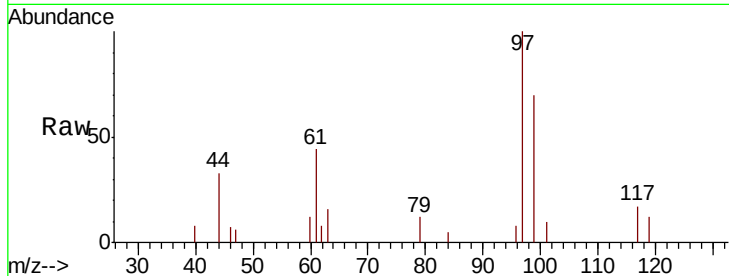
#29
 1,1,1-Trichloroethane
 Concen: 0.223 ug/L
 RT: 4.89 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
97	100		
99	69.3	51.6	77.4
61	47.3	36.2	54.4

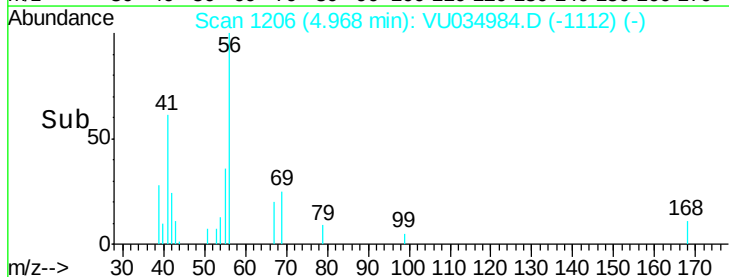
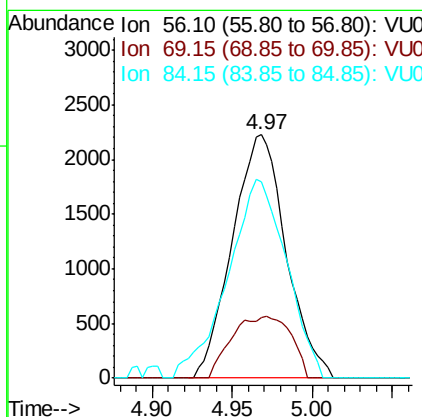
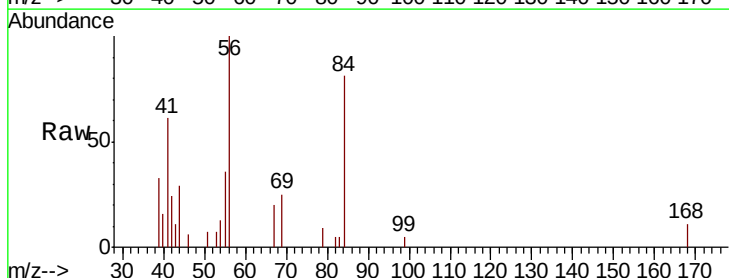
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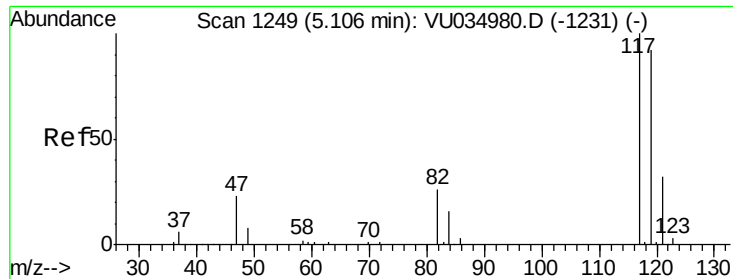
MMDadoda
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#30
 Cyclohexane
 Concen: 0.225 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
56	100		
69	27.9	23.9	35.9
84	88.9	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.253 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:117 Resp: 4542

Ion Ratio Lower Upper

117 100

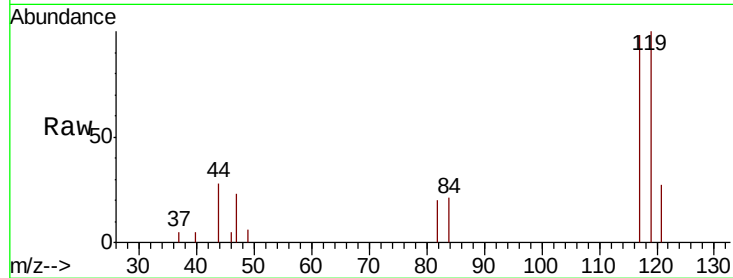
119 98.8 77.5 116.3

Manual Integrations

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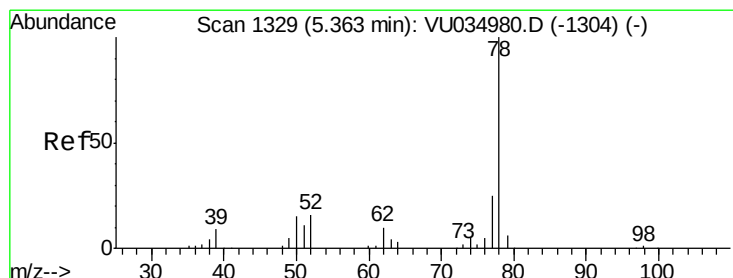
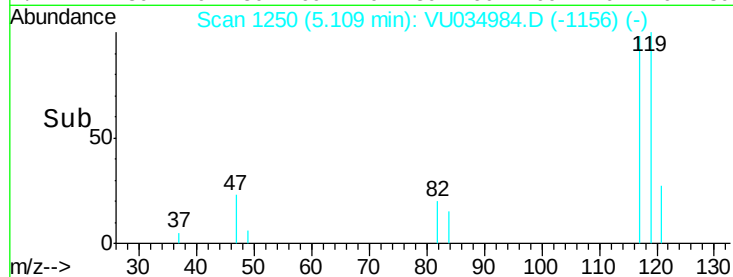
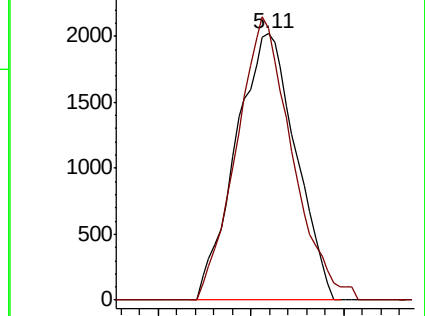
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.243 ug/L

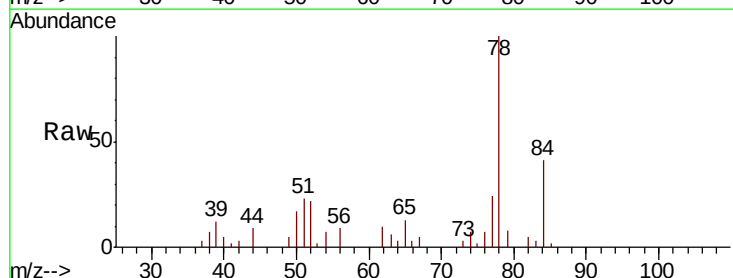
RT: 5.37 min Scan# 1330

Delta R.T. 0.00 min

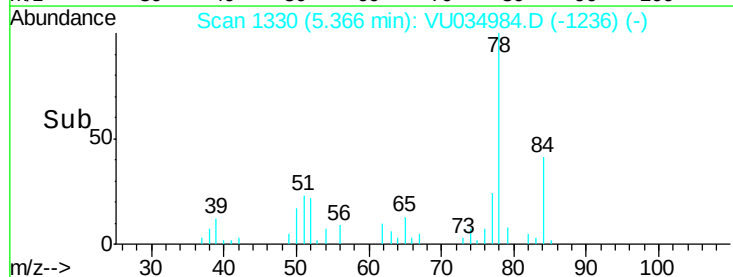
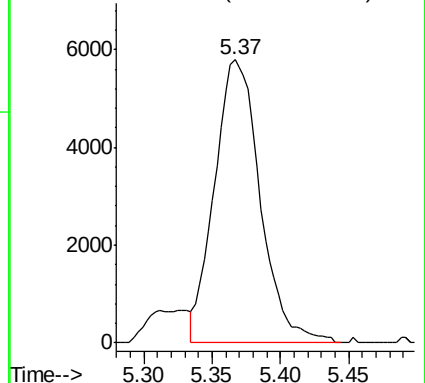
Lab File: VU034984.D

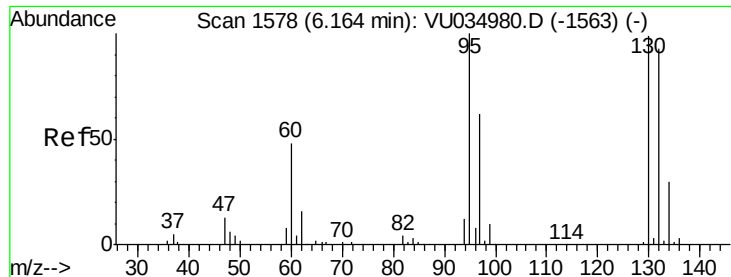
Acq: 08 Oct 2019 11:27

Tgt Ion: 78 Resp: 13512



Abundance Ion 78.10 (77.80 to 78.80): VU0





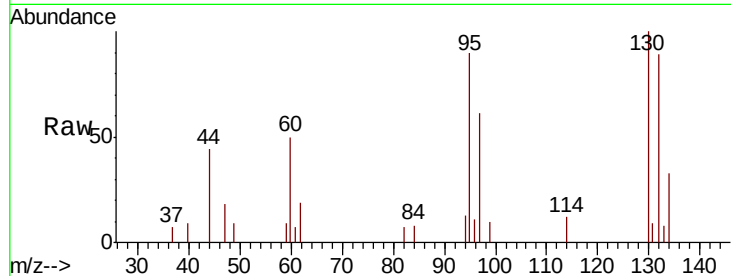
#34
 Trichloroethene
 Concen: 0.230 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

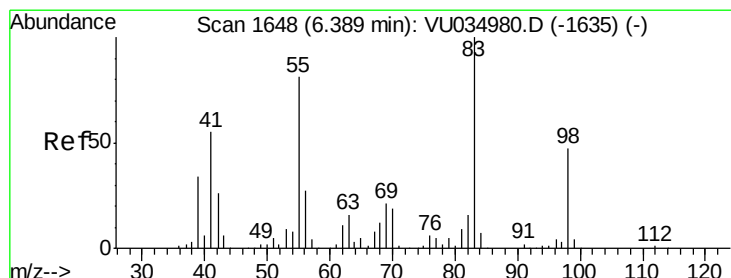
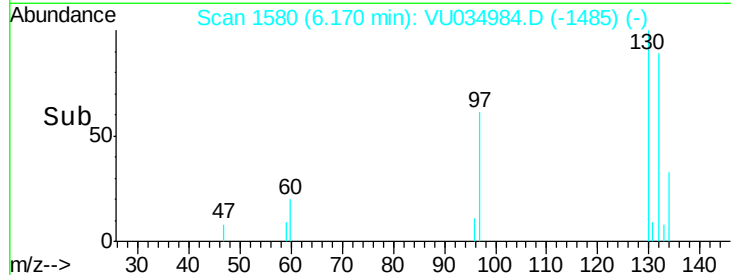
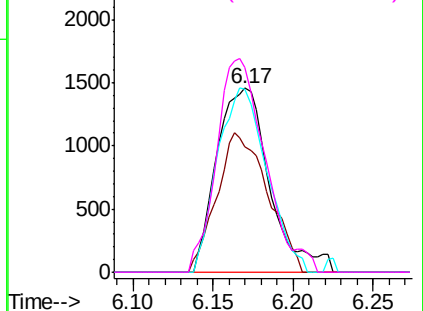
Tot Ion	Ion	Ratio	Resp	Lower	Upper
95	100		3293		
97	68.1	44.5	82.7		
132	99.2	66.6	123.8		
130	111.3	68.9	127.9		

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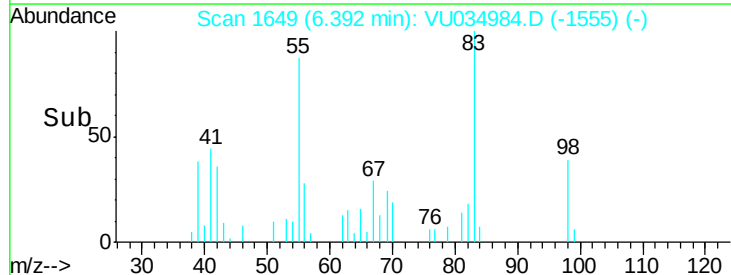
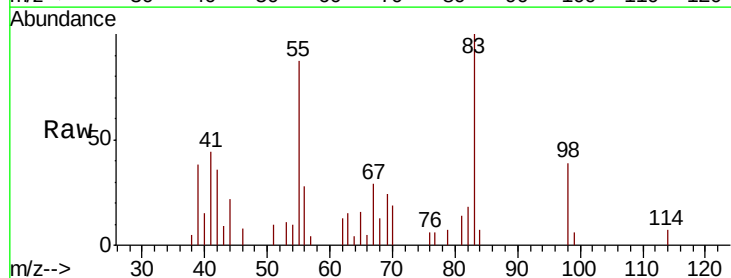
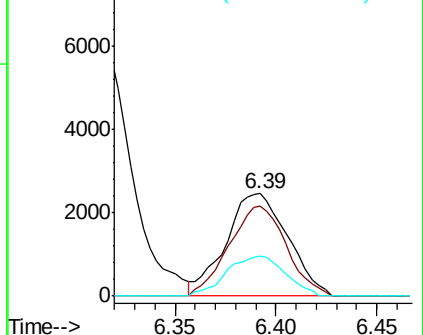
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

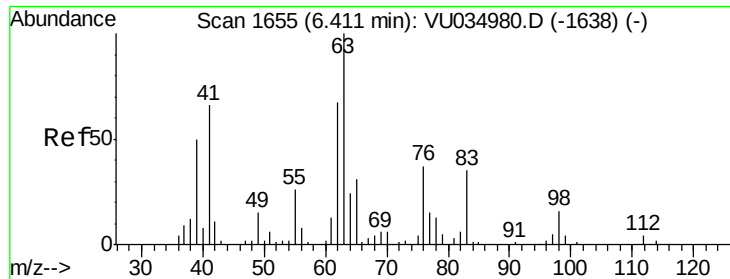


#35
 Methylcyclohexane
 Concen: 0.227 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		5274		
55	81.1	62.6	94.0		
98	37.0	36.2	54.2		

Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





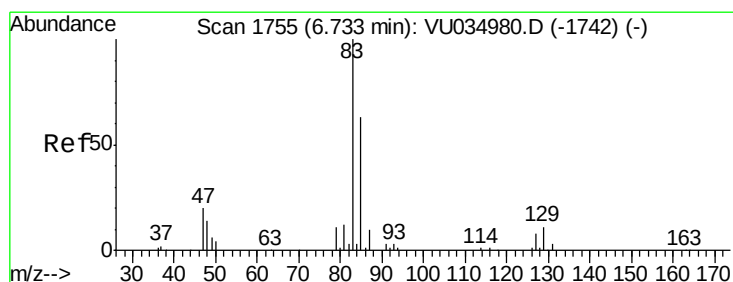
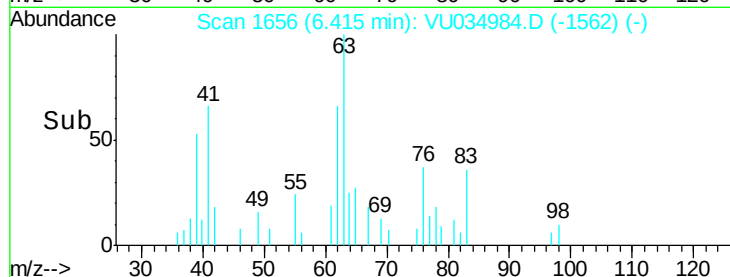
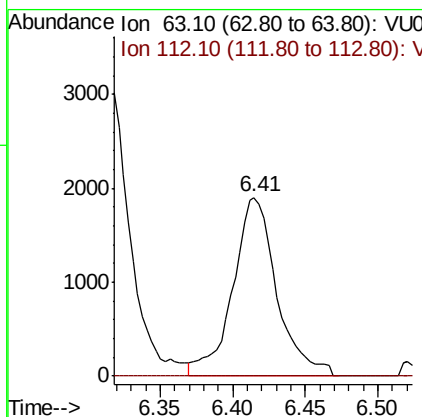
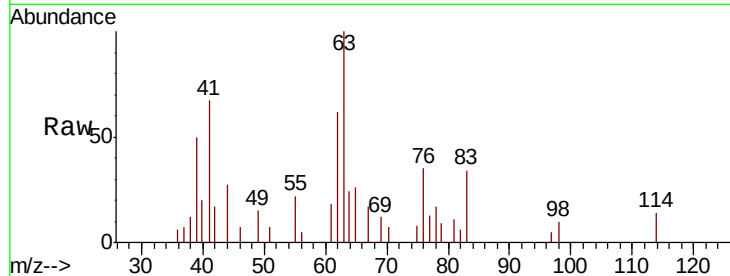
#37
 1,2-Dichloropropane
 Concen: 0.267 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 63 Resp: 4006
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#

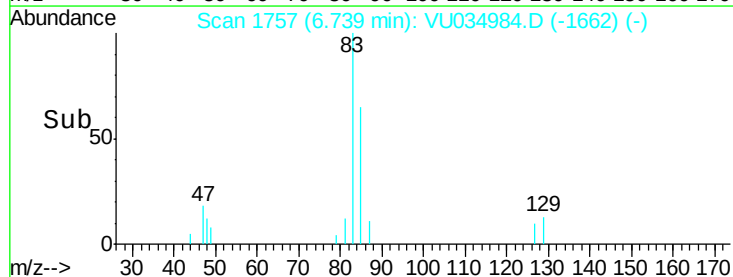
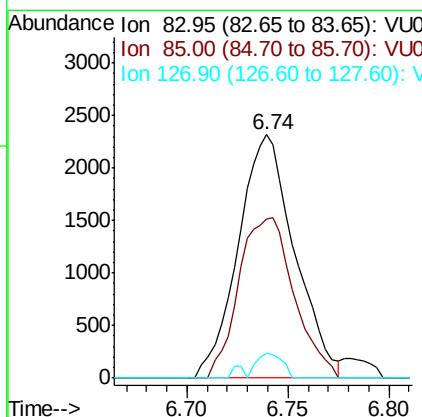
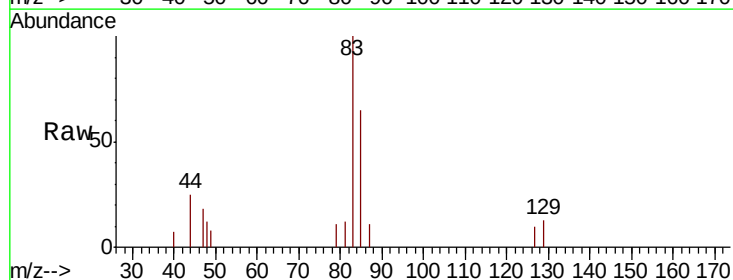
Manual Integrations
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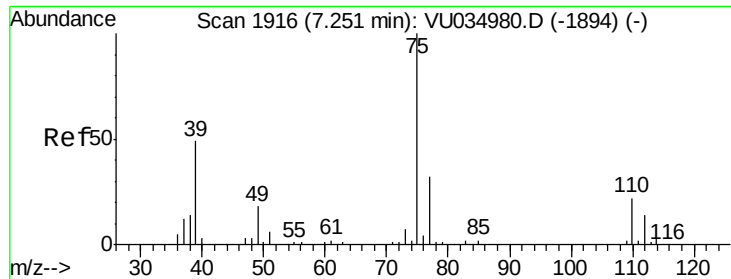
MMDadoda
 10/9/2019 3:47:45 PM



#38
 Bromodichloromethane
 Concen: 0.257 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 83 Resp: 4514
 Ion Ratio Lower Upper
 83 100
 85 65.4 44.0 81.8
 127 10.4 7.0 10.4





#39

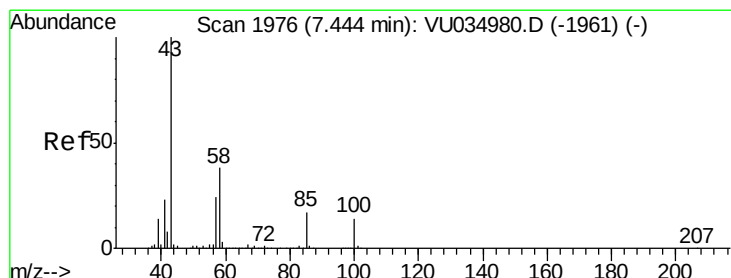
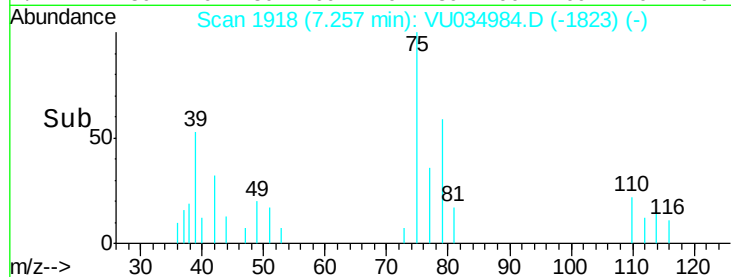
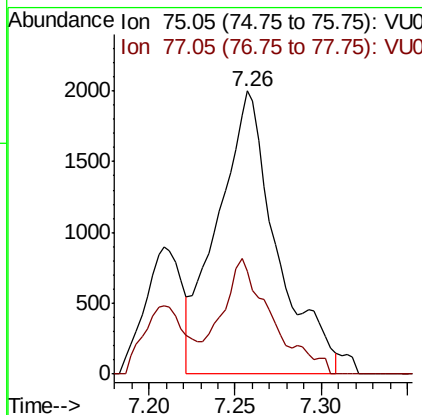
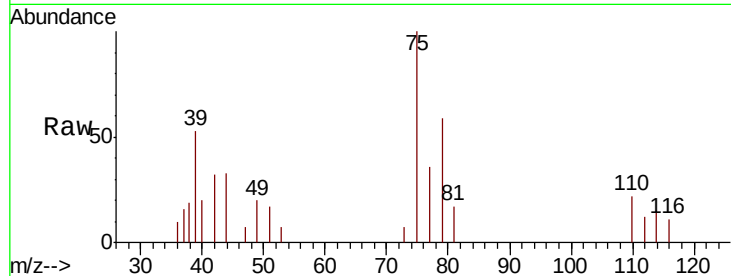
cis-1,3-Dichloropropene
 Concen: 0.233 ug/L m
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 4732
 Ion Ratio Lower Upper
 75 100
 77 36.2 22.1 41.1

Manual Integrations
 APPROVED

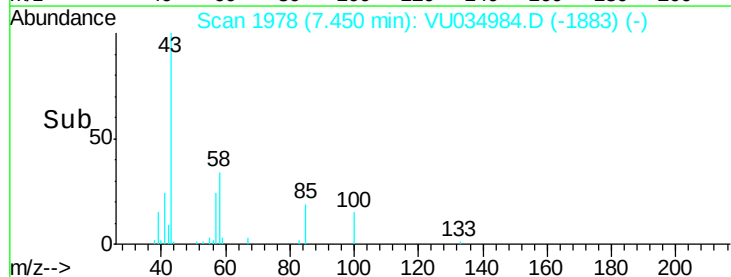
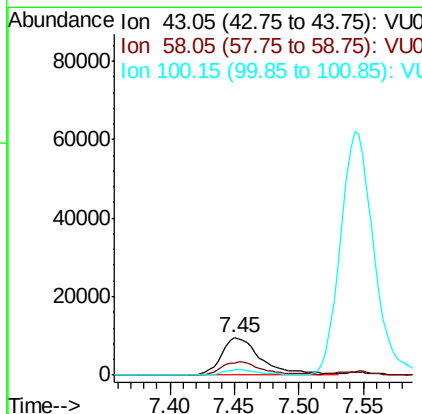
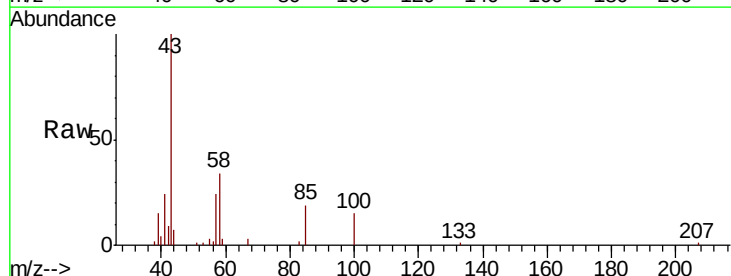
MMDadoda
 10/9/2019 3:47:45 PM

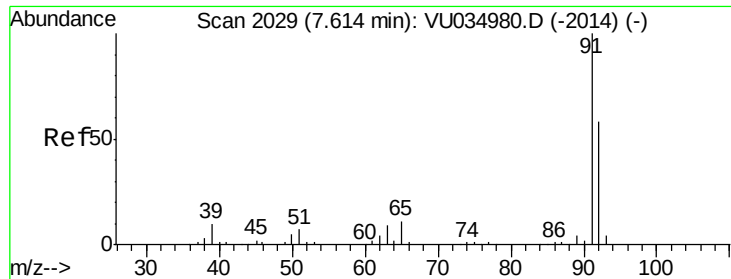


#40

4-Methyl-2-pentanone
 Concen: 2.180 ug/L
 RT: 7.45 min Scan# 1978
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 43 Resp: 20562
 Ion Ratio Lower Upper
 43 100
 58 34.3 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.246 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 14274

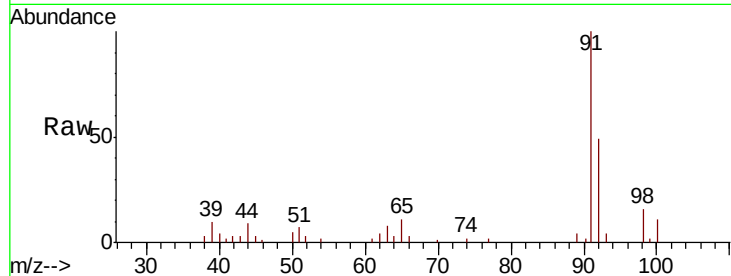
Ion Ratio Lower Upper

91 100

92 48.7 40.0 74.2

Manual Integrations
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MMDadoda
10/9/2019 3:47:45 PM



Abundance Ion 91.15 (90.85 to 91.85): VU034980.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034980.D (-2014) (-)

7.62

8000

6000

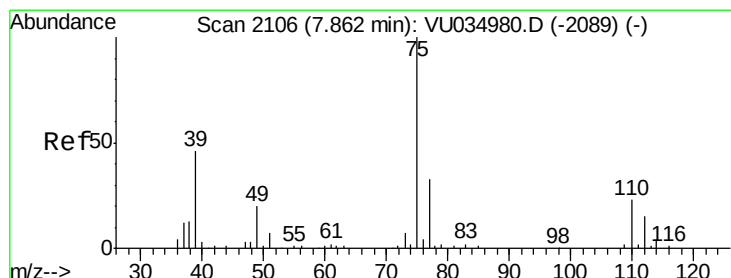
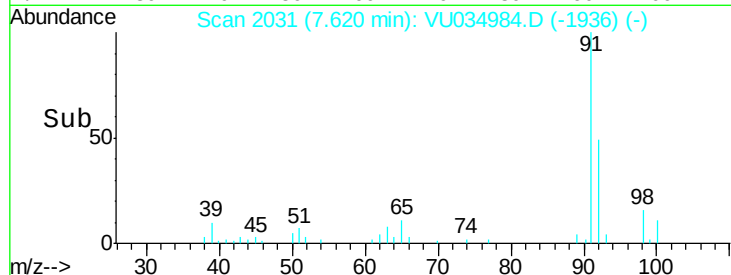
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.207 ug/L m

RT: 7.86 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VU034984.D

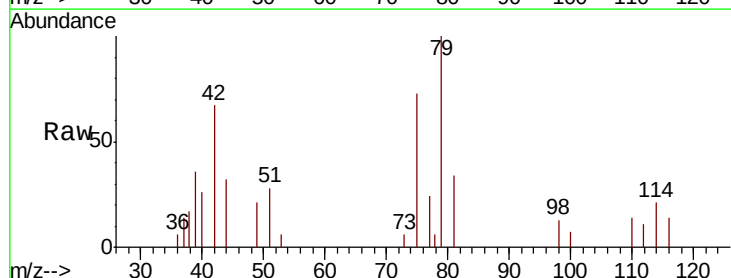
Acq: 08 Oct 2019 11:27

Tgt Ion: 75 Resp: 3258

Ion Ratio Lower Upper

75 100

77 33.1 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034980.D (-2089) (-)

Ion 77.05 (76.75 to 77.75): VU034980.D (-2089) (-)

7.86

1500

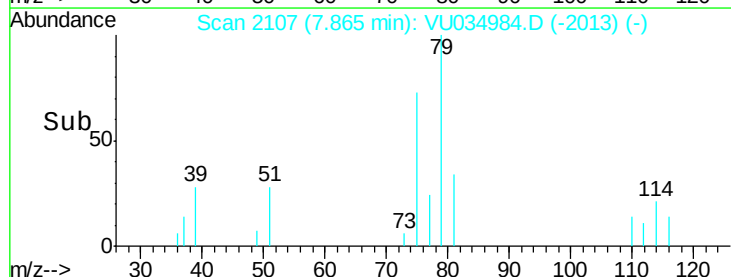
1000

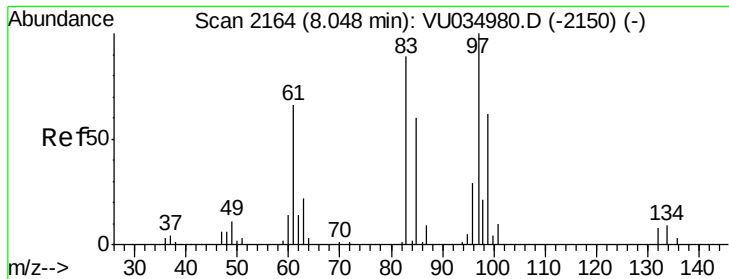
500

0

7.85 7.90

Time-->





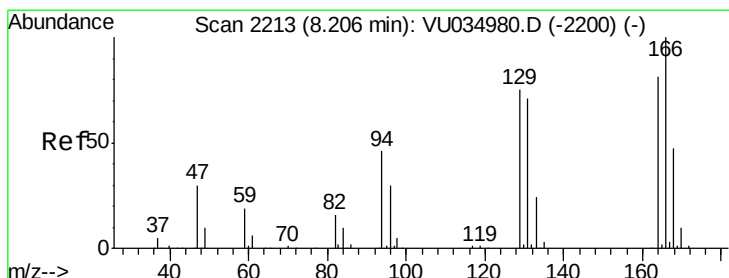
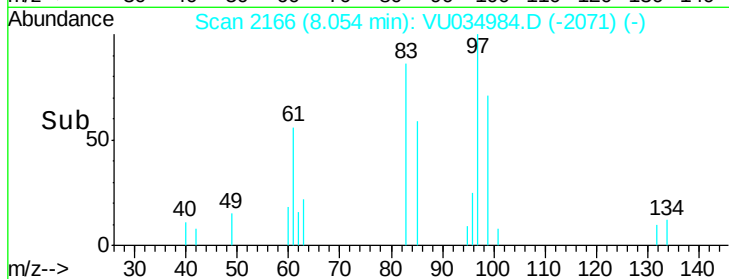
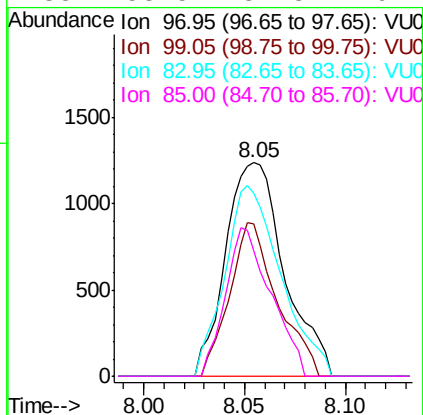
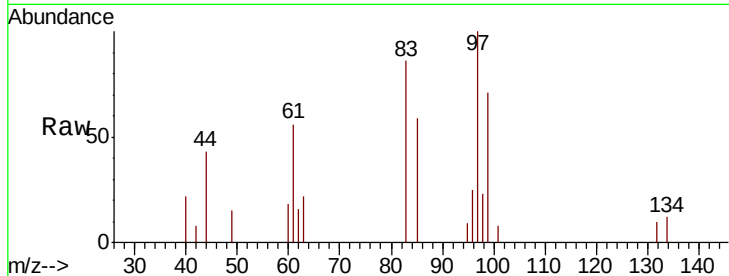
#45
 1,1,2-Trichloroethane
 Concen: 0.253 ug/L
 RT: 8.05 min Scan# 2166
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	2518
Ion	Ratio	Lower	Upper
97	100		
99	71.1	42.3	78.5
83	85.6	58.0	107.6
85	58.5	37.8	70.2

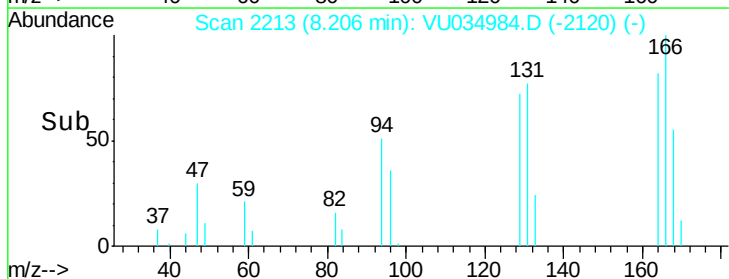
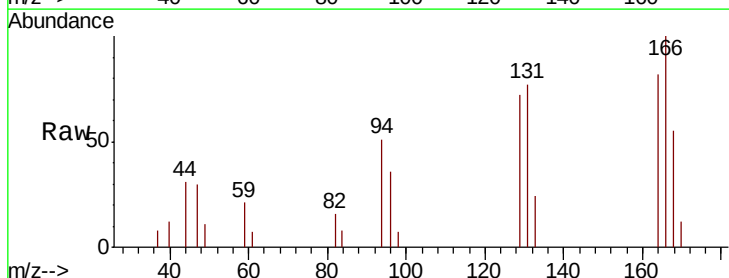
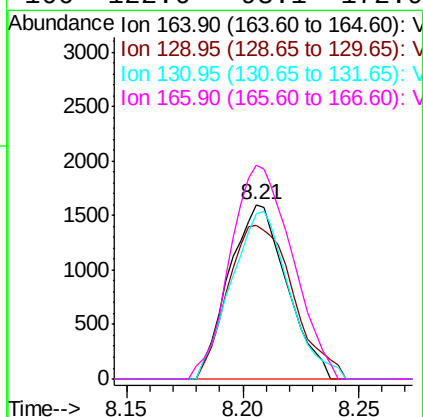
Manual Integrations
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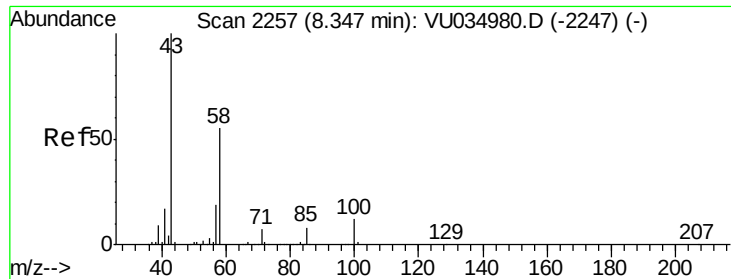
MMDadoda
 10/9/2019 3:47:45 PM



#47
 Tetrachloroethene
 Concen: 0.238 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion:	164	Resp:	2761
Ion	Ratio	Lower	Upper
164	100		
129	88.0	68.5	127.1
131	95.0	67.3	124.9
166	122.6	93.1	172.9





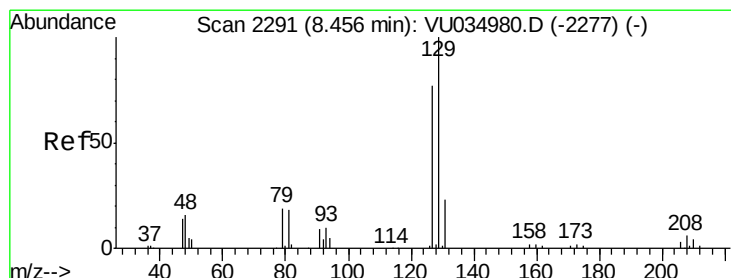
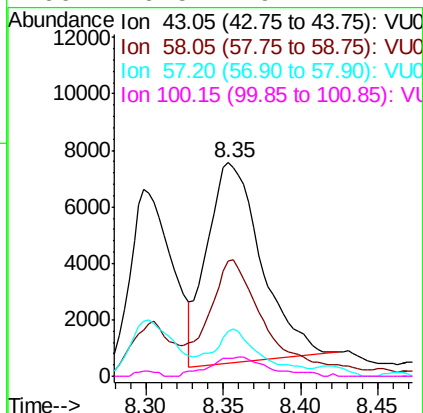
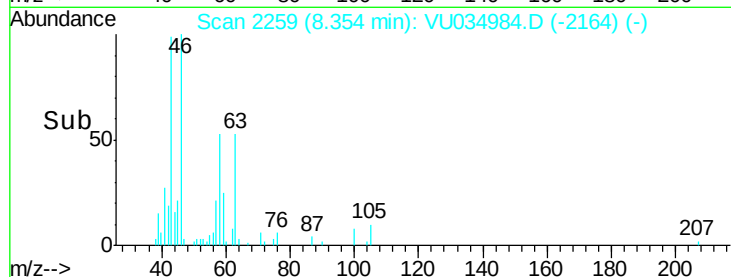
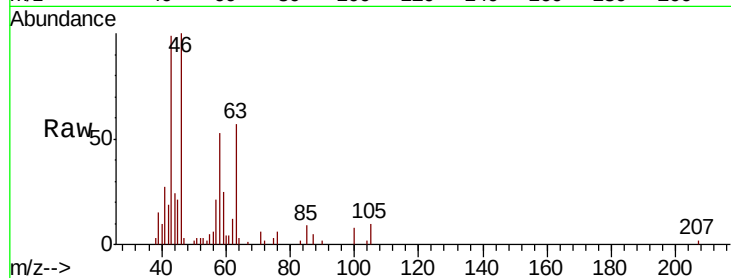
#48
2-Hexanone
Concen: 2.673 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion:	43	Resp:	17286
Ion Ratio	Lower	Upper	
43	100		
58	56.8	44.1	66.1
57	21.2	15.8	23.8
100	10.5	9.4	14.2

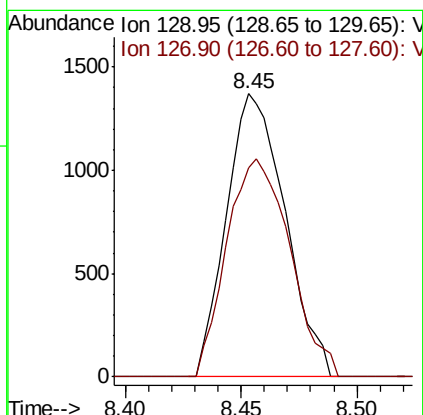
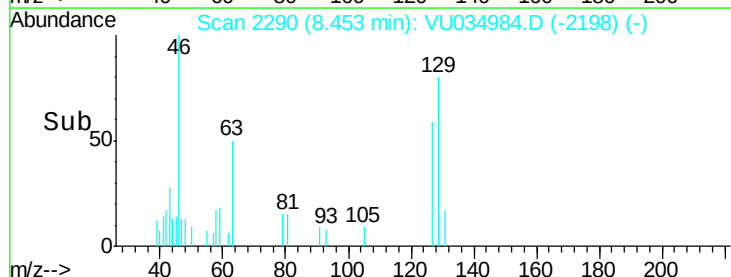
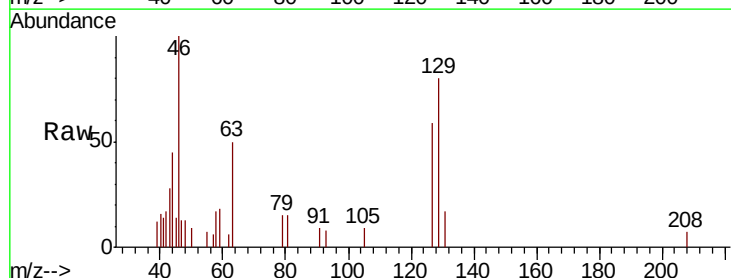
Manual Integrations
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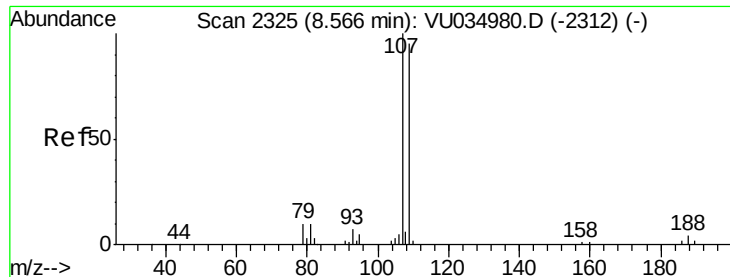
MMDadoda
10/9/2019 3:47:45 PM



#49
Dibromochloromethane
Concen: 0.209 ug/L
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion:	129	Resp:	2408
Ion Ratio	Lower	Upper	
129	100		
127	73.9	51.9	96.5





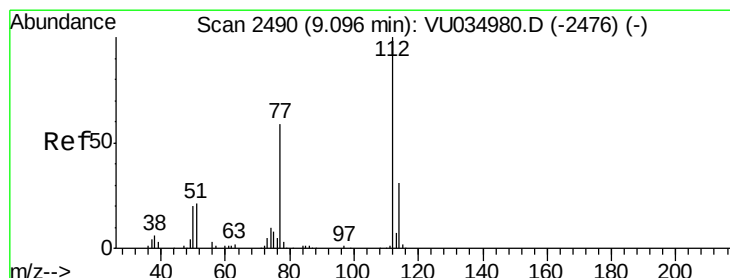
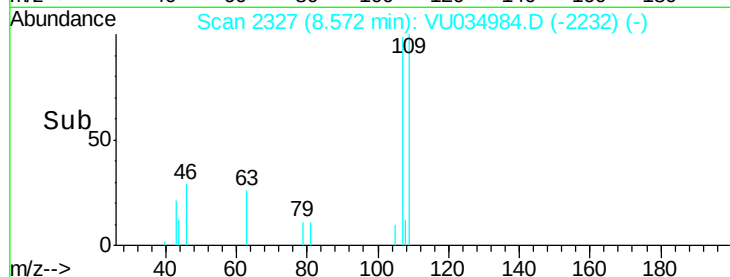
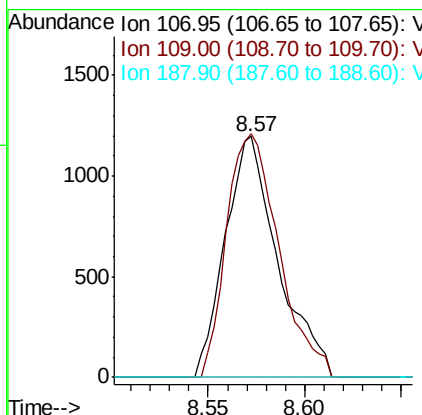
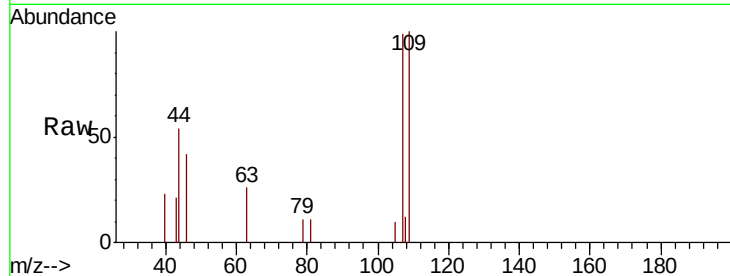
#50
1,2-Dibromoethane
Concen: 0.237 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
109	101.2	64.8	120.4	
188	0.0	3.0	4.6#	

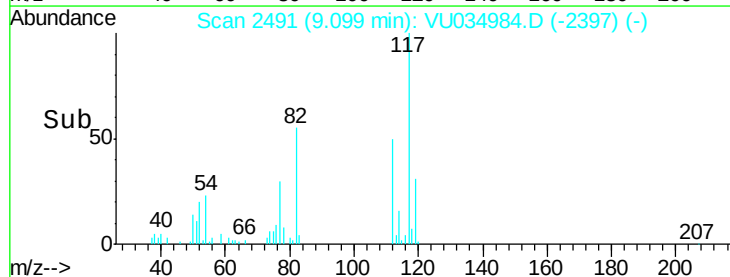
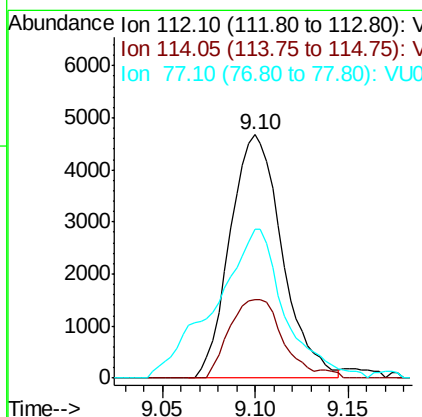
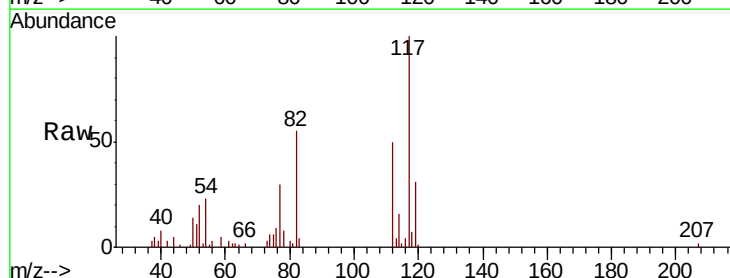
Manual Integrations
APPROVED

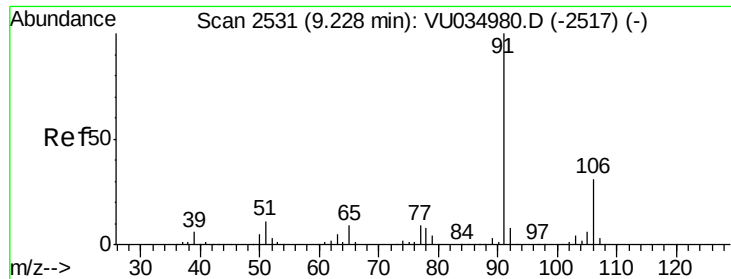
MMDadoda
10/9/2019 3:47:45 PM



#51
Chlorobenzene
Concen: 0.243 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	32.5	22.1	41.1	
77	61.0	46.9	70.3	





#52

Ethylbenzene

Concen: 0.233 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 14932

Ion Ratio Lower Upper

91 100

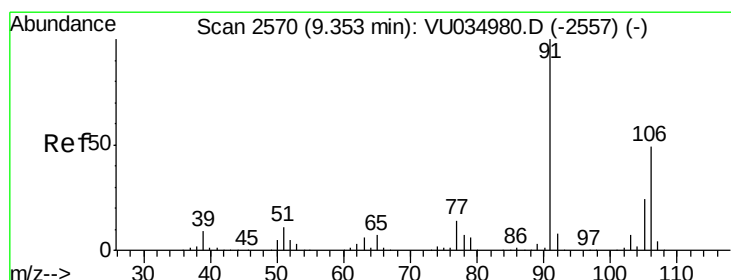
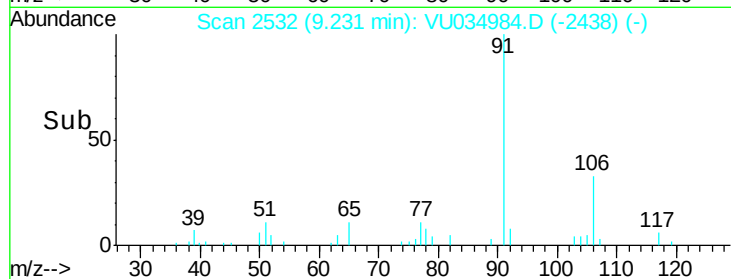
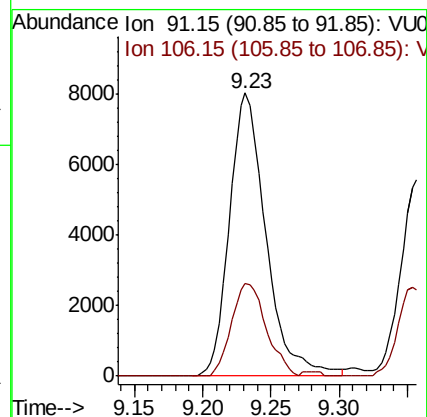
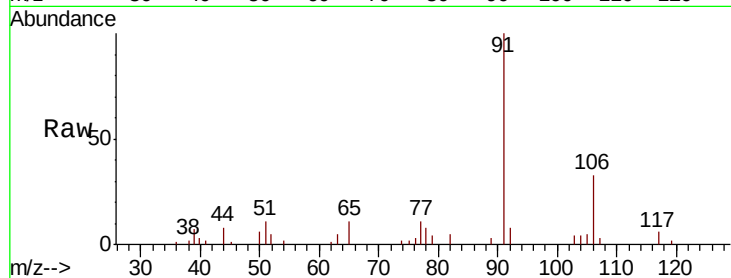
106 32.6 21.6 40.2

Manual Integrations

APPROVED

MMDadoda

10/9/2019 3:47:45 PM



#53

m,p-Xylene

Concen: 0.224 ug/L

RT: 9.35 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU034984.D

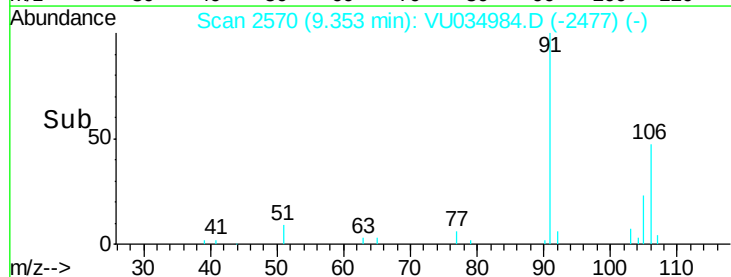
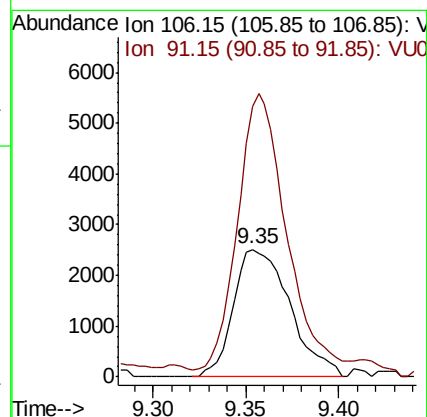
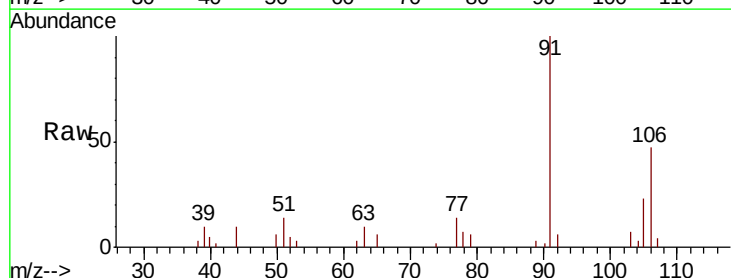
Acq: 08 Oct 2019 11:27

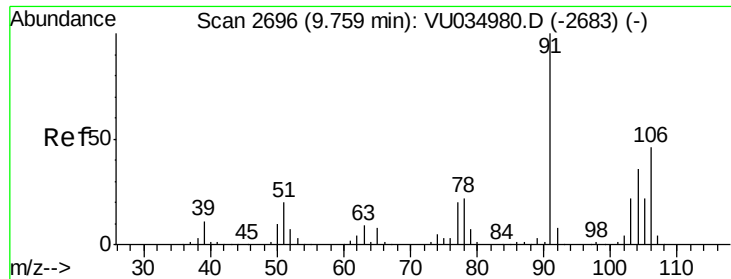
Tgt Ion: 106 Resp: 5304

Ion Ratio Lower Upper

106 100

91 212.4 147.6 274.0





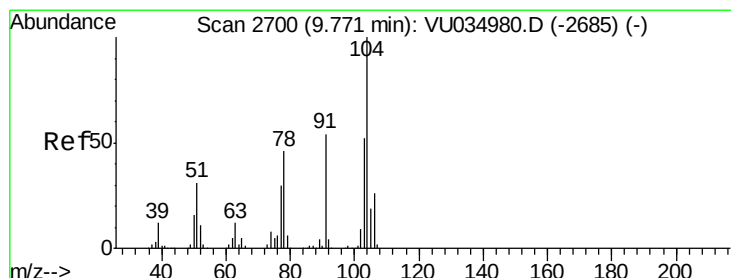
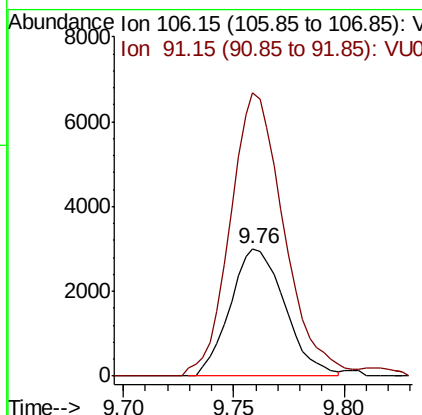
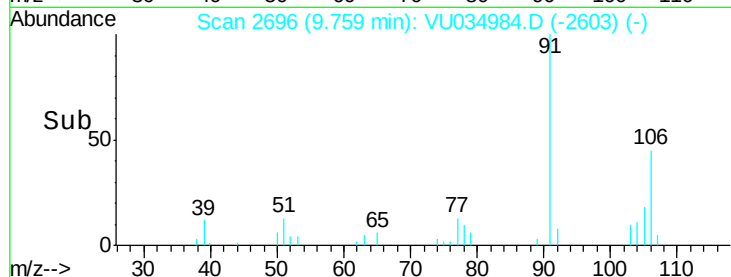
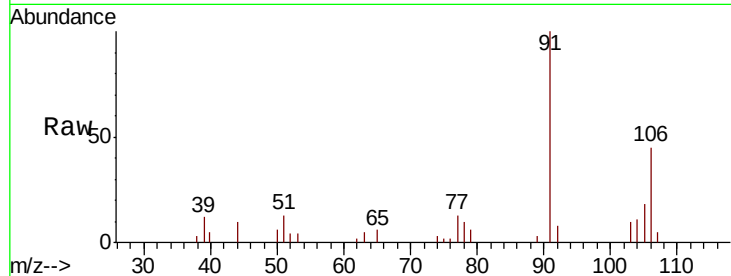
#54
o-Xylene
Concen: 0.223 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion:106 Resp: 5168
Ion Ratio Lower Upper
106 100
91 222.1 148.5 275.7

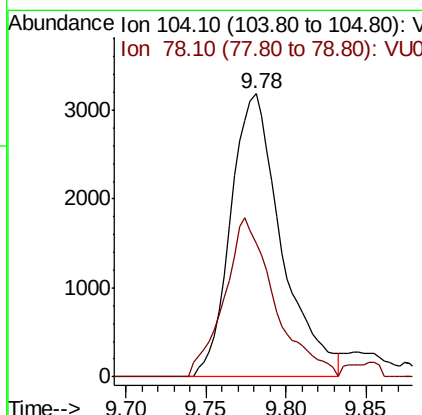
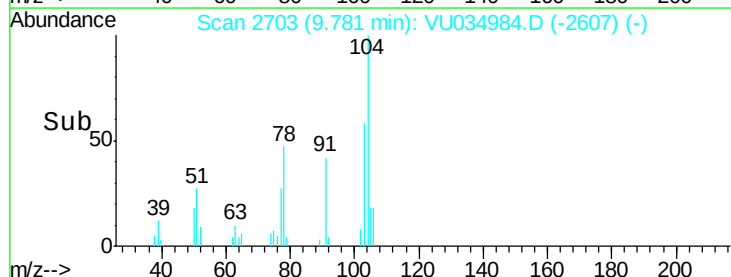
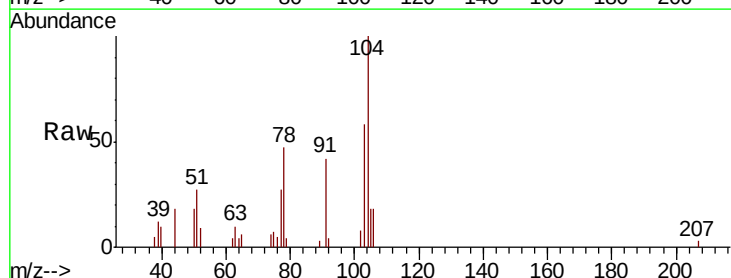
Manual Integrations
APPROVED

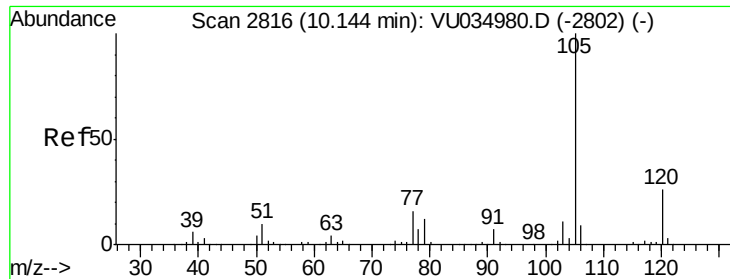
MMDadoda
10/9/2019 3:47:45 PM



#55
Styrene
Concen: 0.185 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU034984.D
Acq: 08 Oct 2019 11:27

Tgt Ion:104 Resp: 6919
Ion Ratio Lower Upper
104 100
78 51.2 32.8 60.8





#56

Isopropylbenzene

Concen: 0.214 ug/L

RT: 10.15 min Scan# 2817

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

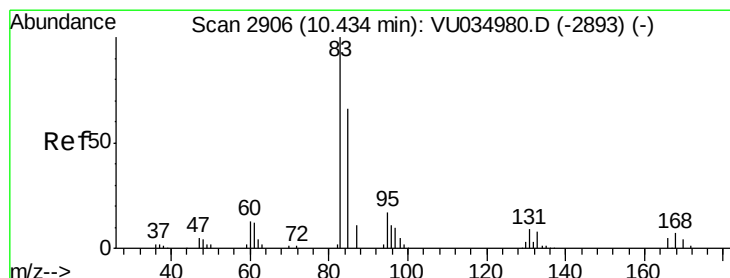
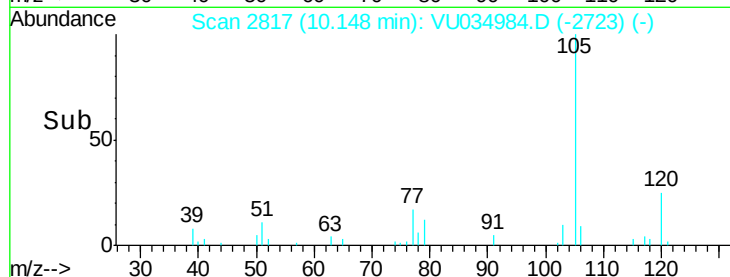
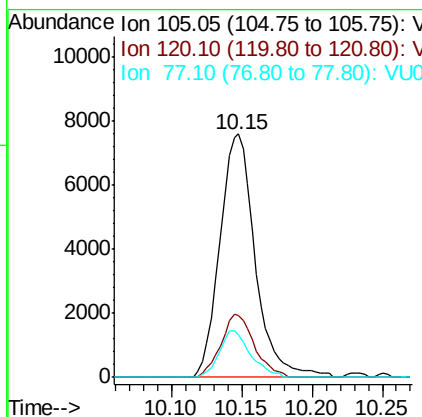
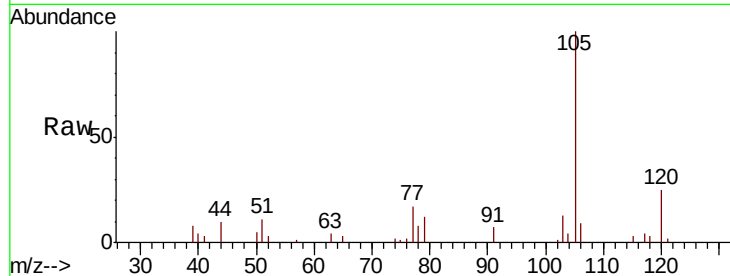
ClientSampled :

MDL02

Tot Ion:	105	Resp:	13216
Ion Ratio	Lower	Upper	
105	100		
120	24.4	21.3	31.9
77	16.9	13.0	19.4

Manual Integrations
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MMDadoda
10/9/2019 3:47:45 PM



#58

1,1,2,2-Tetrachloroethane

Concen: 0.246 ug/L

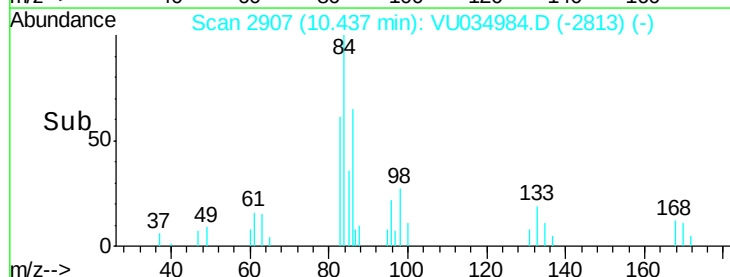
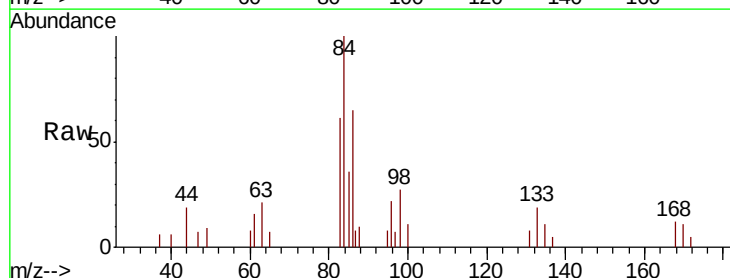
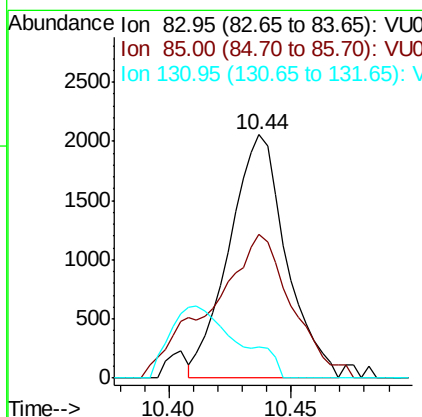
RT: 10.44 min Scan# 2907

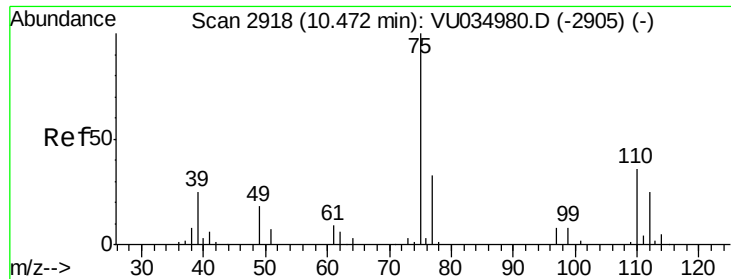
Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	83	Resp:	3324
Ion Ratio	Lower	Upper	
83	100		
85	58.9	44.6	82.8
131	13.0	7.4	11.2#





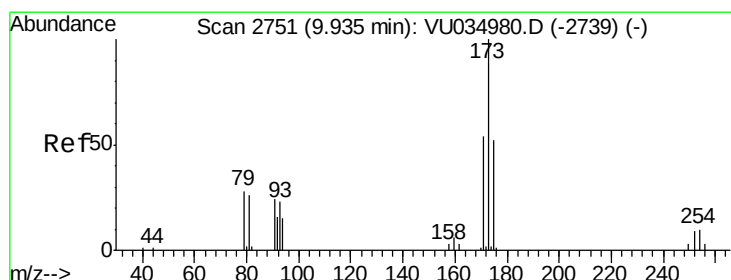
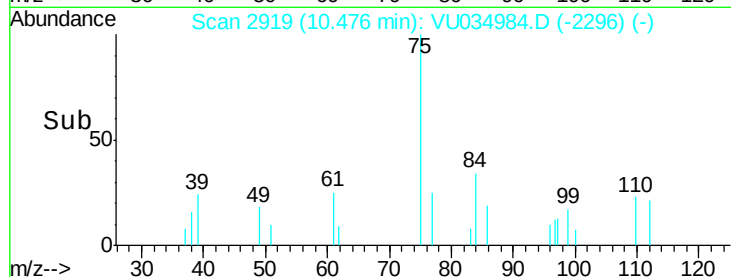
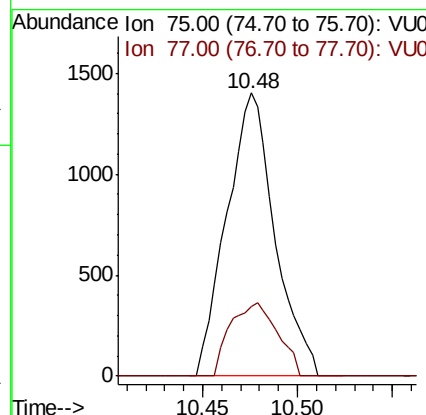
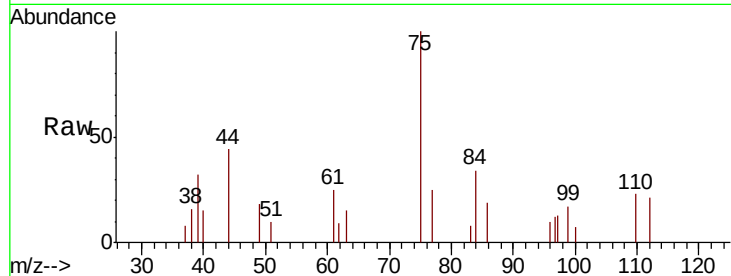
#59
 1,2,3-Trichloropropane
 Concen: 0.254 ug/L m
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 2469
 Ion Ratio Lower Upper
 75 100
 77 149.5 26.5 39.7#

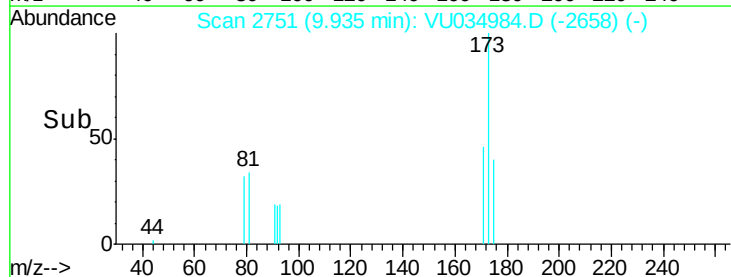
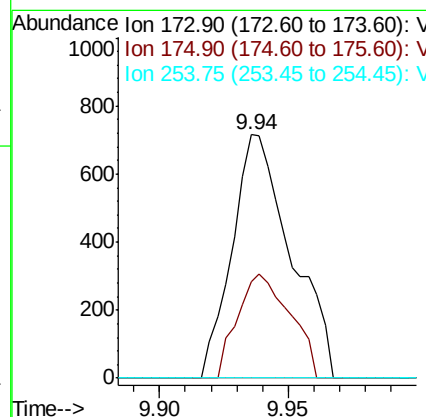
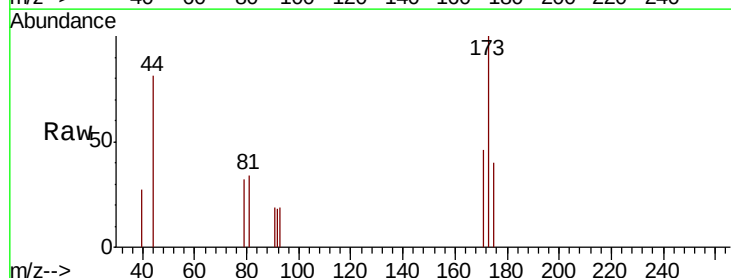
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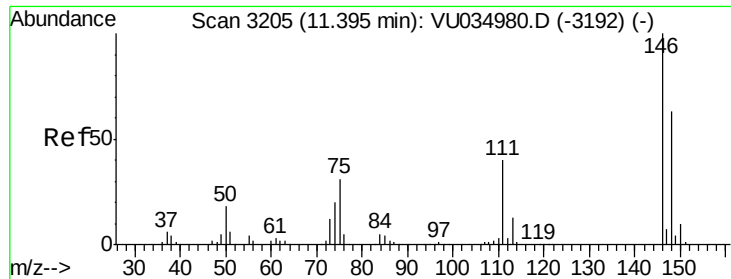
MMDadoda
 10/9/2019 3:47:45 PM



#61
 Bromoform
 Concen: 0.208 ug/L
 RT: 9.94 min Scan# 2751
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion: 173 Resp: 1136
 Ion Ratio Lower Upper
 173 100
 175 38.4 37.2 55.8
 254 0.0 6.6 9.8#





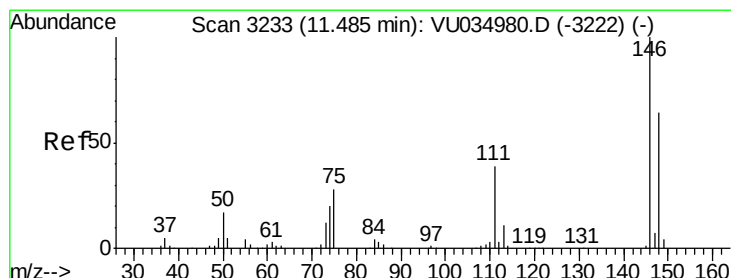
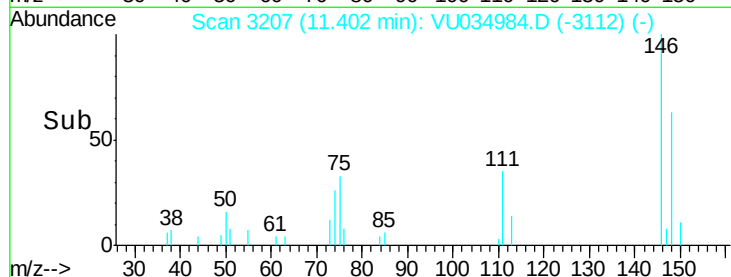
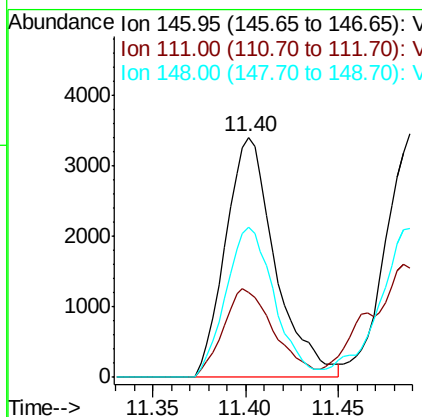
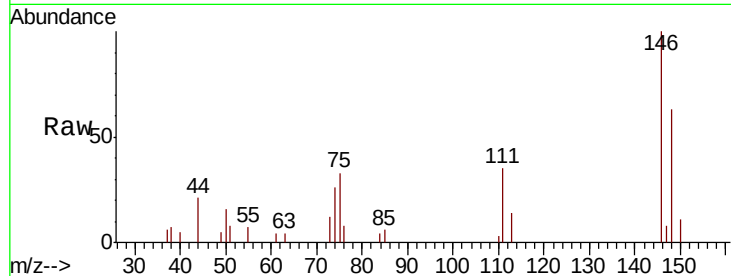
#62
 1,3-Dichlorobenzene
 Concen: 0.258 ug/L
 RT: 11.40 min Scan# 3207
 Delta R.T. 0.01 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	28.6	53.2
148	62.8	45.0	83.6

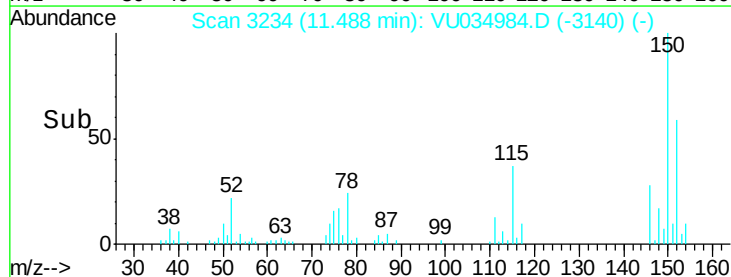
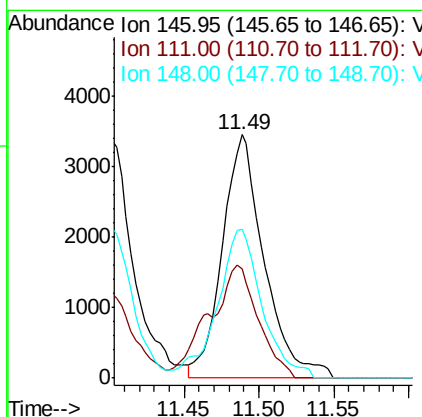
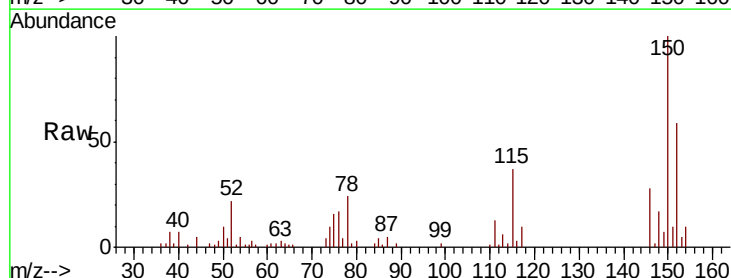
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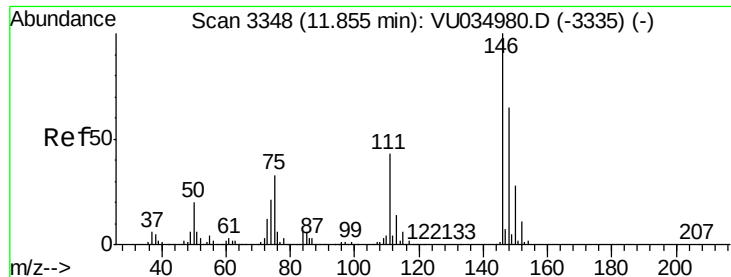
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#63
 1,4-Dichlorobenzene
 Concen: 0.271 ug/L
 RT: 11.49 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.0	27.9	51.7
148	61.1	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.266 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Instrument :

MSVOA_U

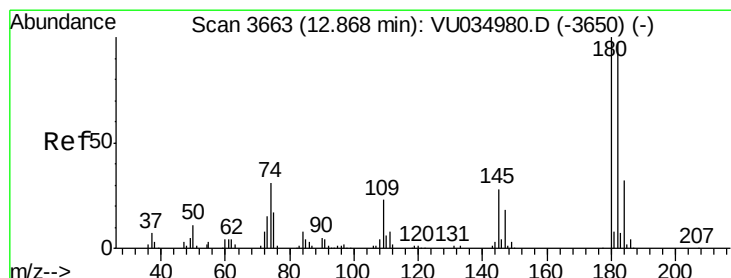
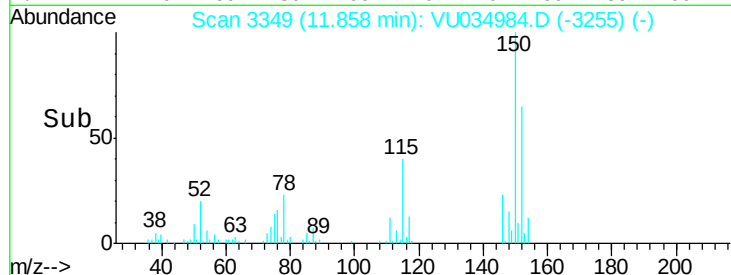
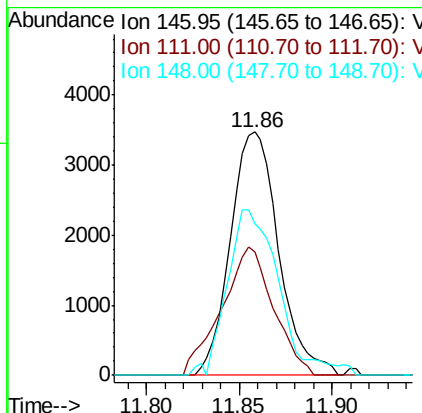
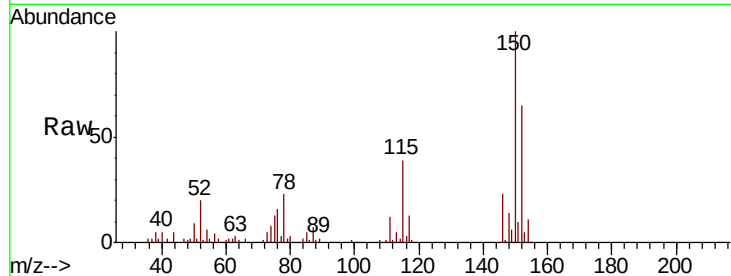
ClientSampleId :

MDL02

Tot Ion:	146	Resp:	6287
Ion Ratio	Lower	Upper	
146	100		
111	50.8	34.2	51.4
148	62.5	52.0	78.0

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#67

1,3,5-Trichlorobenzene

Concen: 0.207 ug/L

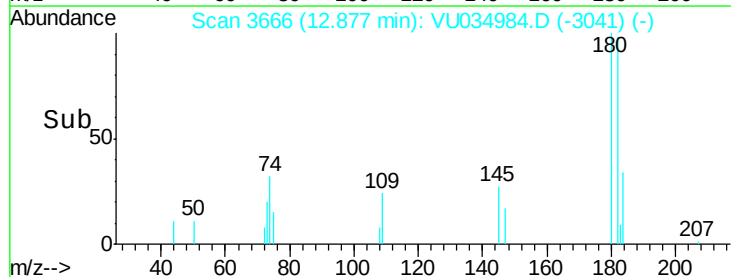
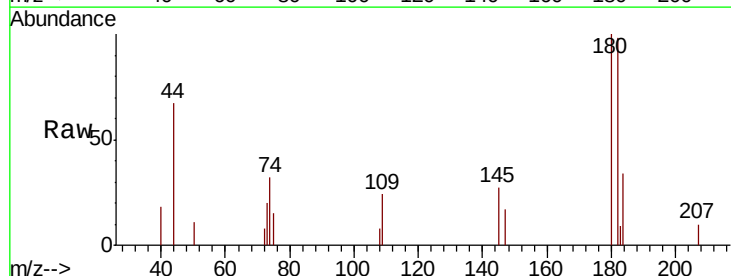
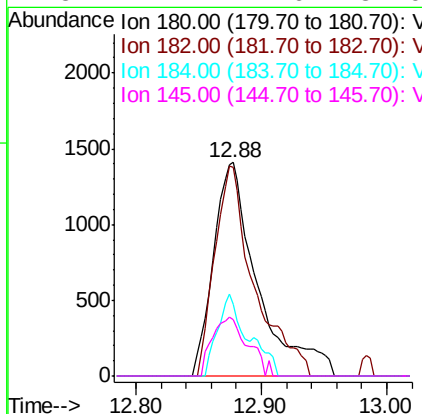
RT: 12.88 min Scan# 3666

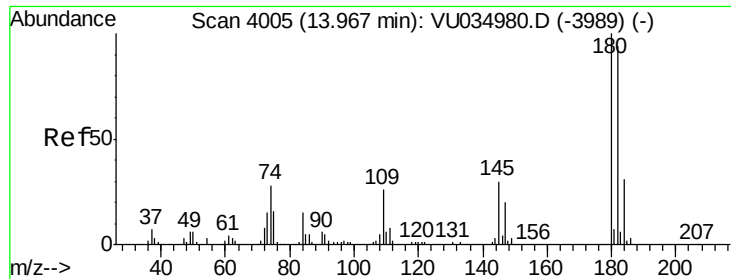
Delta R.T. 0.01 min

Lab File: VU034984.D

Acq: 08 Oct 2019 11:27

Tgt Ion:	180	Resp:	3441
Ion Ratio	Lower	Upper	
180	100		
182	87.6	76.0	114.0
184	26.5	24.2	36.2
145	22.2	24.6	37.0#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.153 ug/L m
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.02 min
 Lab File: VU034984.D
 Acq: 08 Oct 2019 11:27

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	69.6	77.0	115.4#
145	4.5	25.9	38.9#

Manual Integrations
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