

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100819\
 Data File : VU034988.D
 Acq On : 08 Oct 2019 13:04
 Operator : JC/SP
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:48:06 PM

Quant Time: Oct 09 07:55:15 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	178348	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	179783	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	76962	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44643	4.24	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.80%
7) Chloroethane-d5	1.67	69	42469	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.40%
11) 1,1-Dichloroethene-d2	2.26	63	70425	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.19	46	154785	49.86	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.72%
24) Chloroform-d	4.62	84	87285	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.60%
26) 1,2-Dichloroethane-d4	5.29	65	56709	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.32	84	191662	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.31	67	67344	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.54	98	171694	4.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.20%
43) trans-1,3-Dichloropropene-	7.84	79	19789	3.90	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.00%
46) 2-Hexanone-d5	8.30	63	110999	46.01	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.02%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55447	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	65034	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4295	0.264 ug/L	100
3) Chloromethane	1.32	50	5134	0.287 ug/L	96
5) Vinyl chloride	1.40	62	4829	0.275 ug/L	86
6) Bromomethane	1.62	94	2718	0.278 ug/L	95
8) Chloroethane	1.69	64	2990	0.284 ug/L	97
9) Trichlorofluoromethane	1.88	101	6082	0.286 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3728	0.306 ug/L	89
12) 1,1-Dichloroethene	2.27	96	3689	0.322 ug/L #	1
13) Acetone	2.34	43	6993	2.750 ug/L	89
14) Carbon disulfide	2.46	76	10691	0.280 ug/L	97
15) Methyl Acetate	2.62	43	2056	0.304 ug/L	92
16) Methylene chloride	2.68	84	6076	0.428 ug/L	85
17) Methyl tert-butyl Ether	2.99	73	8742	0.280 ug/L	98
18) trans-1,2-Dichloroethene	2.96	96	3340	0.272 ug/L	95
19) 1,1-Dichloroethane	3.42	63	6401	0.263 ug/L	97
21) 2-Butanone	4.29	43	9983	2.757 ug/L	87
22) cis-1,2-Dichloroethene	4.20	96	3527	0.258 ug/L	82

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.53	128	1459	0.254	ug/L	95
25) Chloroform	4.65	83	20122	0.735	ug/L	100
27) 1,2-Dichloroethane	5.39	62	4296	0.269	ug/L #	94
29) 1,1,1-Trichloroethane	4.89	97	5097	0.252	ug/L #	84
30) Cyclohexane	4.97	56	5298	0.239	ug/L	91
31) Carbon tetrachloride	5.11	117	4107	0.235	ug/L	91
33) Benzene	5.37	78	13572	0.251	ug/L	100
34) Trichloroethene	6.17	95	3400	0.243	ug/L	90
35) Methylcyclohexane	6.39	83	5292	0.234	ug/L	95
37) 1,2-Dichloropropane	6.41	63	4120	0.282	ug/L #	91
38) Bromodichloromethane	6.74	83	4130	0.241	ug/L #	95
39) cis-1,3-Dichloropropene	7.25	75	4653m	0.235	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	20705	2.252	ug/L #	85
42) Toluene	7.62	91	14833	0.262	ug/L	92
44) trans-1,3-Dichloropropene	7.87	75	3475m	0.227	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	2354	0.243	ug/L #	91
47) Tetrachloroethene	8.21	164	3045	0.269	ug/L	86
48) 2-Hexanone	8.35	43	19433	3.083	ug/L #	84
49) Dibromochloromethane	8.46	129	2757	0.246	ug/L	82
50) 1,2-Dibromoethane	8.57	107	2374	0.256	ug/L #	87
51) Chlorobenzene	9.10	112	9719	0.265	ug/L	96
52) Ethylbenzene	9.23	91	14484	0.232	ug/L	98
53) m,p-Xylene	9.36	106	5067	0.220	ug/L	94
54) o-Xylene	9.76	106	5017	0.222	ug/L	89
55) Styrene	9.78	104	7643	0.209	ug/L	96
56) Isopropylbenzene	10.14	105	13144	0.219	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.44	83	3482	0.264	ug/L #	86
59) 1,2,3-Trichloropropane	10.47	75	2516	0.266	ug/L	99
61) Bromoform	9.94	173	1381	0.262	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	6465	0.273	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	6871	0.287	ug/L	94
65) 1,2-Dichlorobenzene	11.85	146	6880	0.301	ug/L	97
67) 1,3,5-Trichlorobenzene	12.88	180	3153	0.196	ug/L	93
70) 1,2,3-Trichlorobenzene	13.99	180	1854m	0.159	ug/L	

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

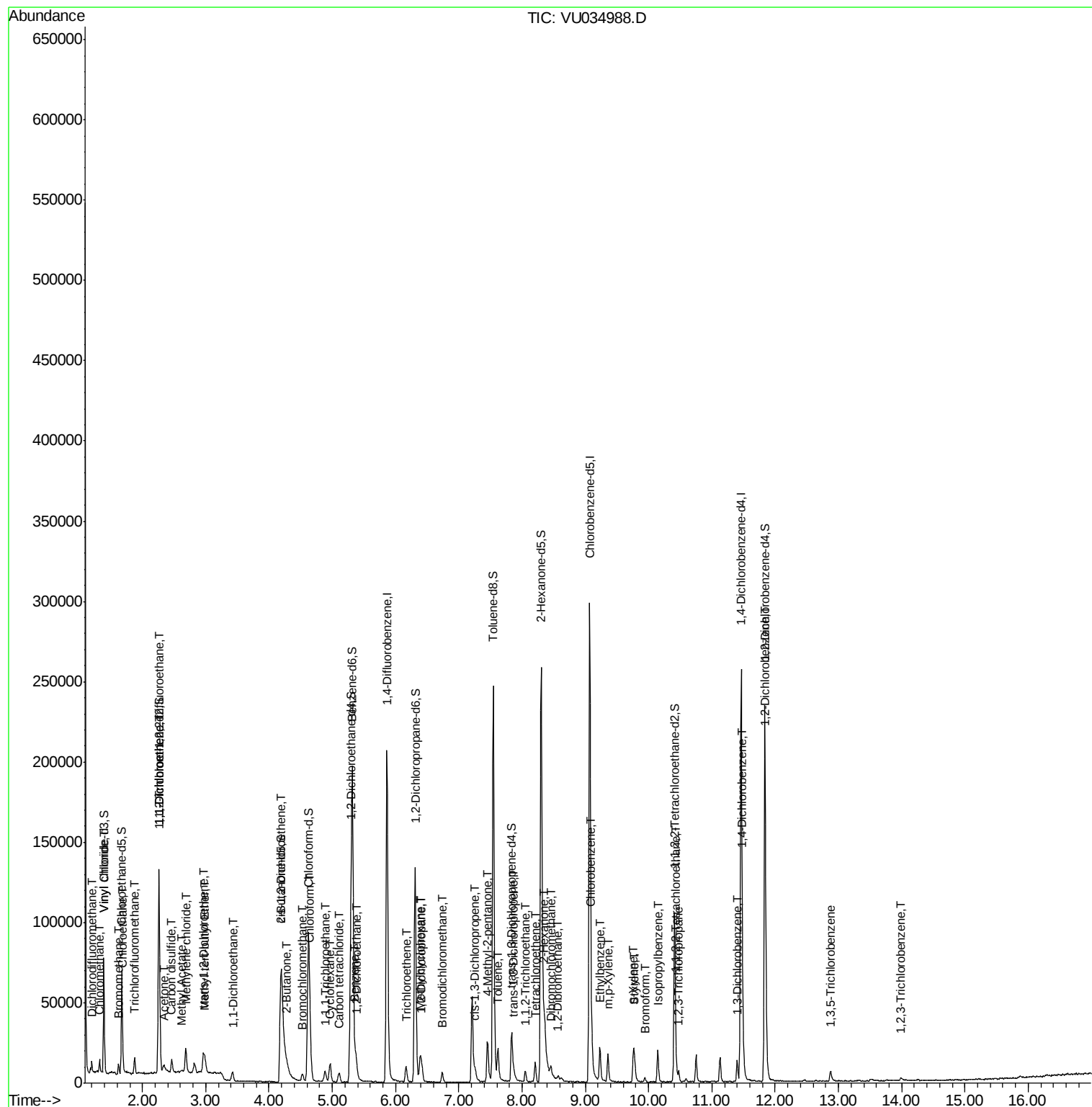
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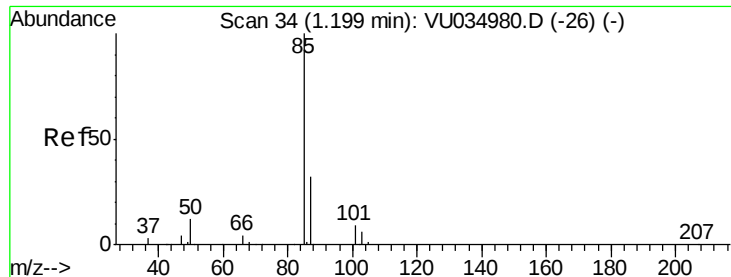
Instrument :
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#2

Dichlorodifluoromethane

Concen: 0.264 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 85 Resp: 4295

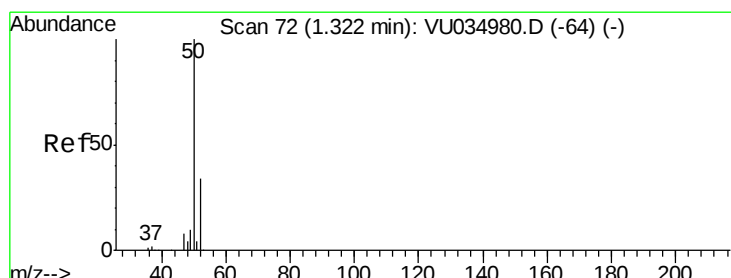
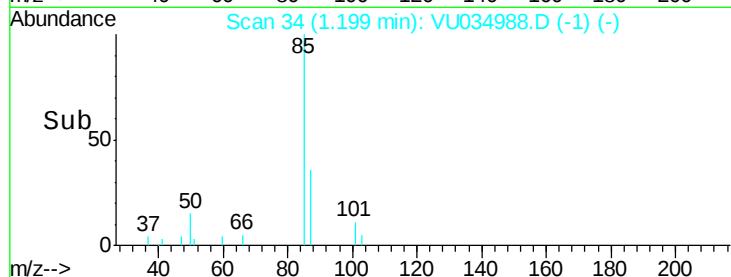
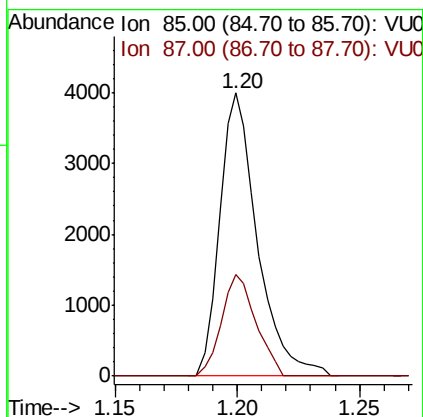
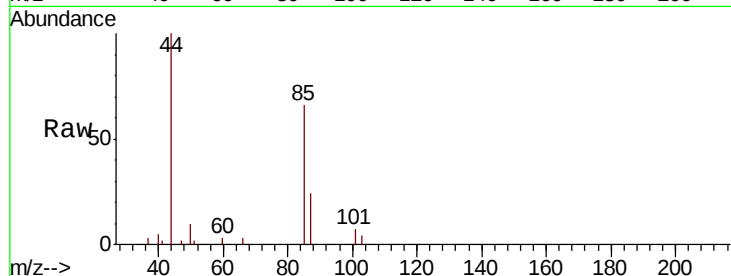
Ion Ratio Lower Upper

85 100

87 32.8 26.3 39.5

Manual Integrations
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#3

Chloromethane

Concen: 0.287 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034988.D

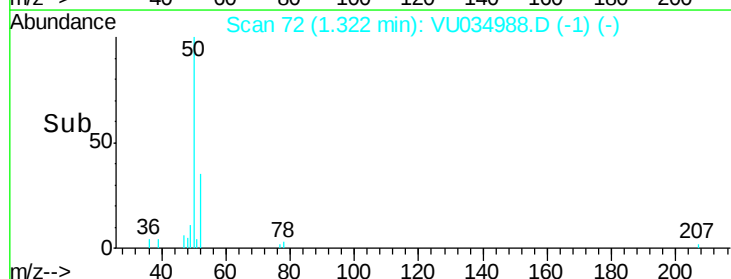
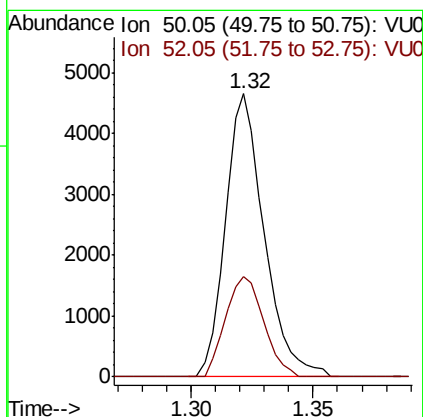
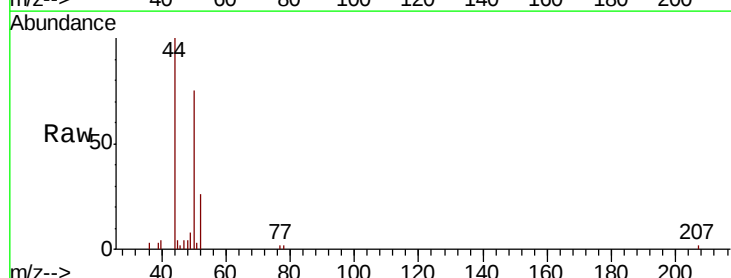
Acq: 08 Oct 2019 13:04

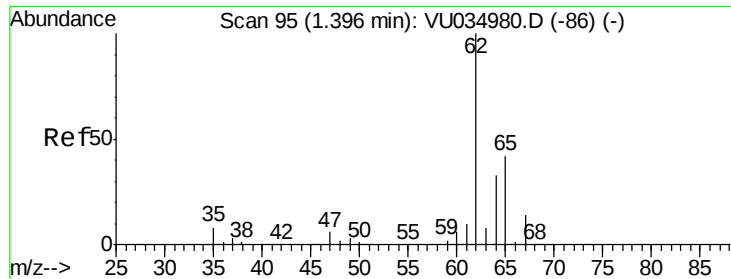
Tgt Ion: 50 Resp: 5134

Ion Ratio Lower Upper

50 100

52 35.4 23.3 43.3





#5

Vinyl chloride

Concen: 0.275 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 62 Resp: 4829

Ion Ratio Lower Upper

62 100

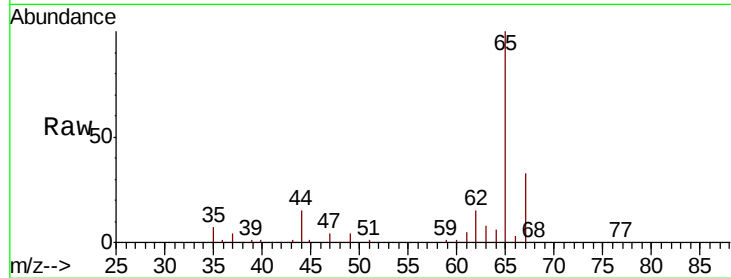
64 40.5 22.8 42.4

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU034988.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034988.D (-86) (-)

1.40

4000

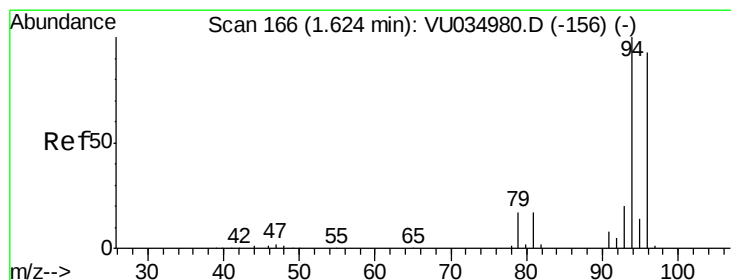
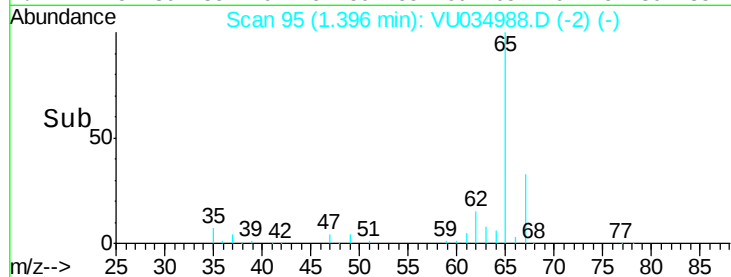
3000

2000

1000

0

Time--> 1.35 1.40



#6

Bromomethane

Concen: 0.278 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034988.D

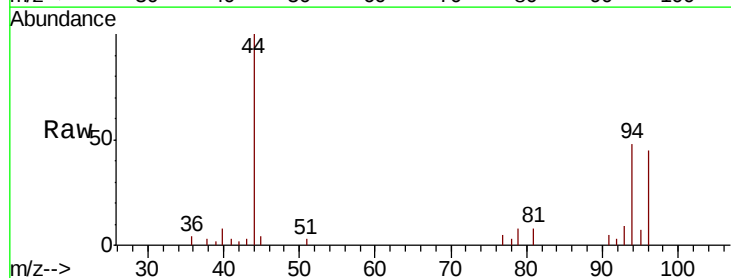
Acq: 08 Oct 2019 13:04

Tgt Ion: 94 Resp: 2718

Ion Ratio Lower Upper

94 100

96 93.7 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU034988.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034988.D (-156) (-)

1.62

2500

2000

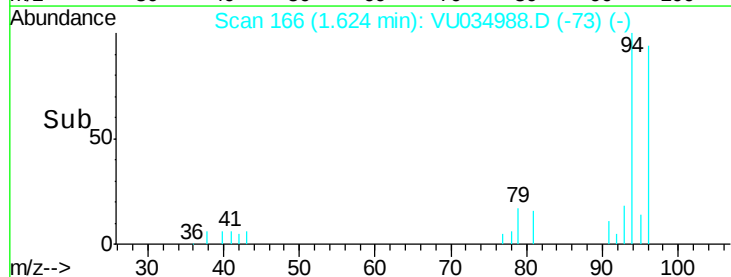
1500

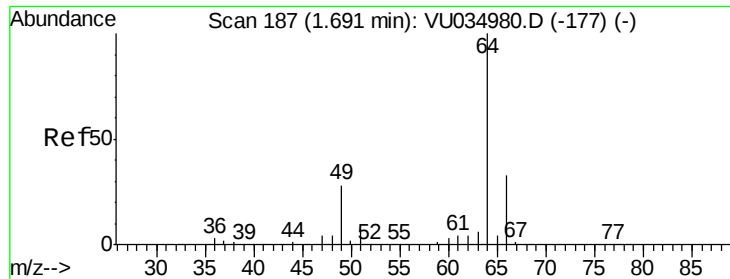
1000

500

0

Time--> 1.58 1.60 1.62 1.64 1.66





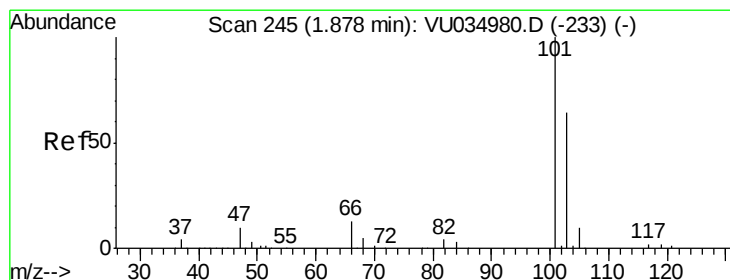
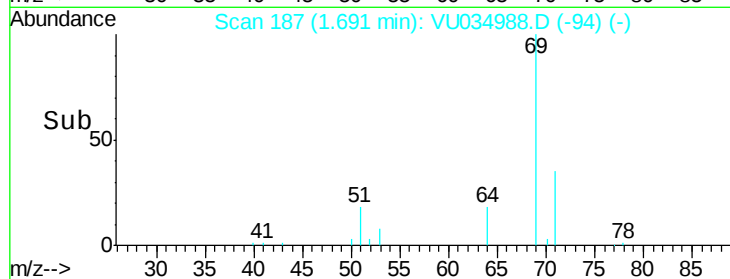
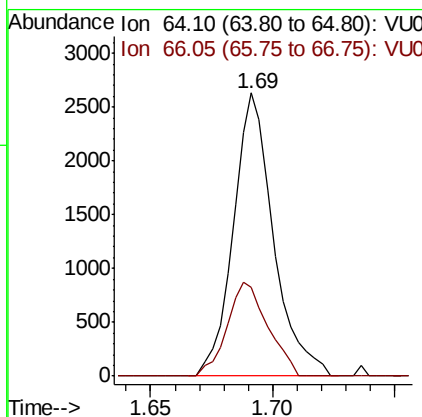
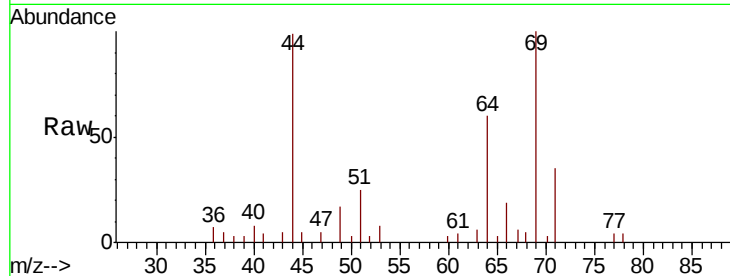
#8
Chloroethane
Concen: 0.284 ug/L
RT: 1.69 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 64 Resp: 2990
Ion Ratio Lower Upper
64 100
66 31.3 23.2 43.2

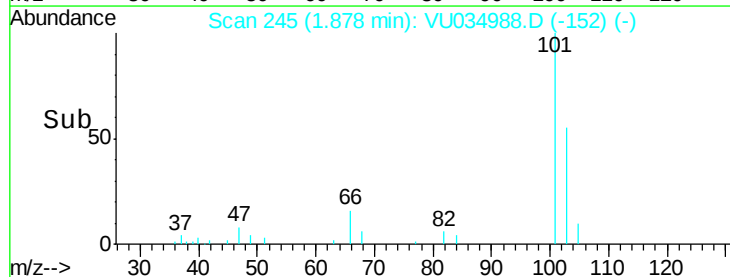
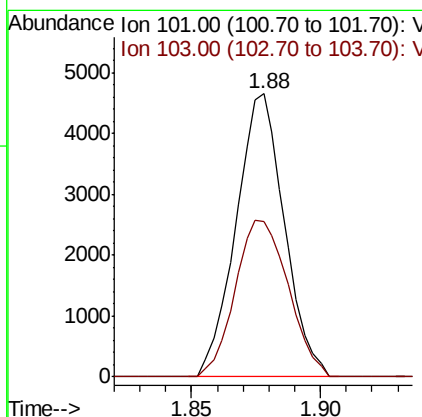
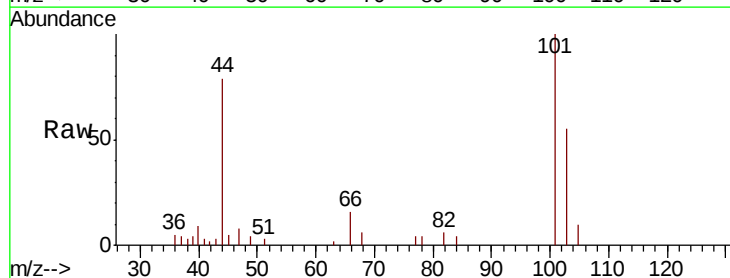
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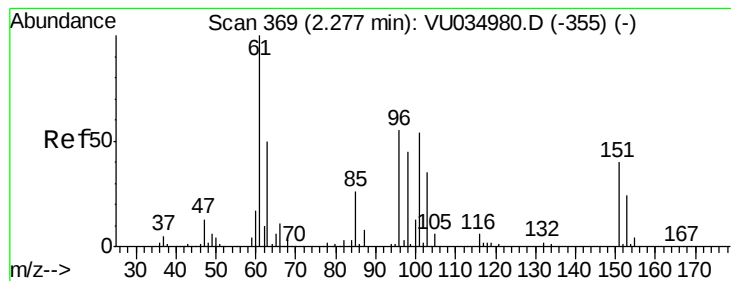
MMDadoda
10/9/2019 3:48:06 PM



#9
Trichlorofluoromethane
Concen: 0.286 ug/L
RT: 1.88 min Scan# 245
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion: 101 Resp: 6082
Ion Ratio Lower Upper
101 100
103 60.7 52.2 78.4





#10

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

Concen: 0.306 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

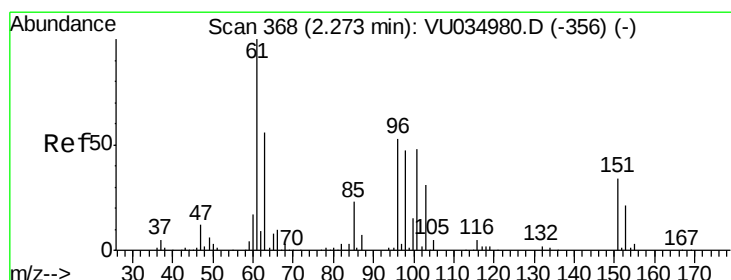
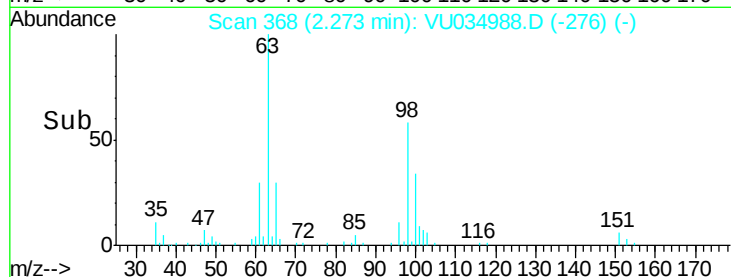
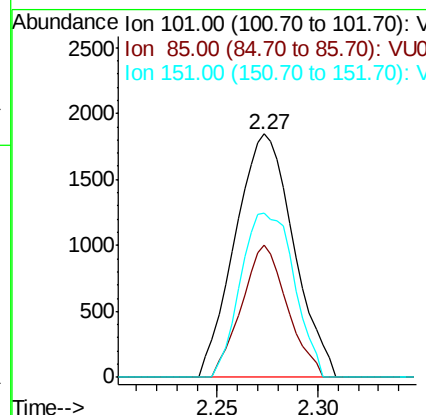
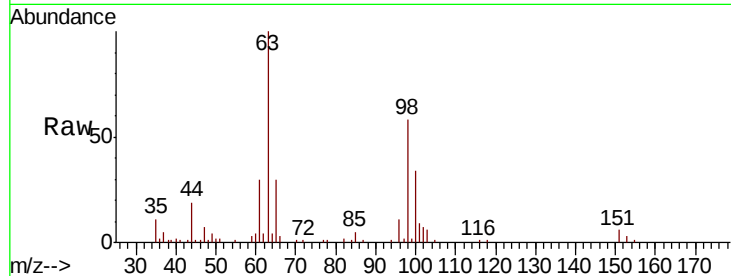
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	3728
Ion Ratio	Lower	Upper	
101	100		
85	42.6	37.4	56.0
151	62.0	58.6	87.8

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.322 ug/L

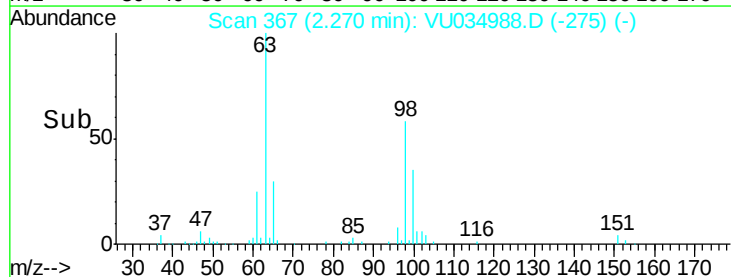
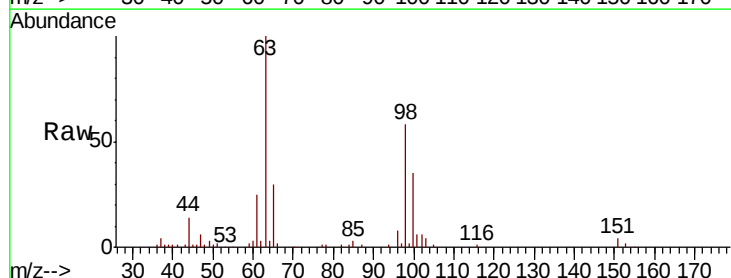
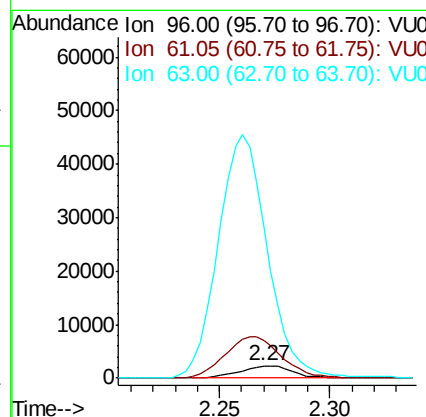
RT: 2.27 min Scan# 367

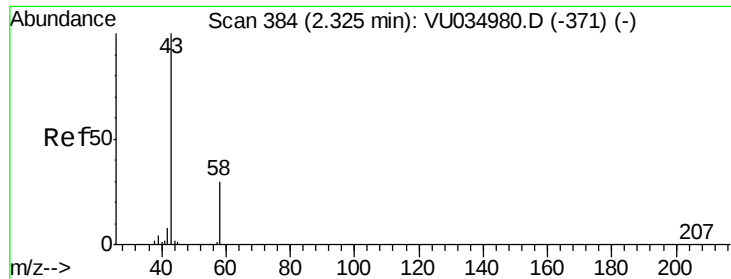
Delta R.T. -0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Tgt Ion:	96	Resp:	3689
Ion Ratio	Lower	Upper	
96	100		
61	312.2	129.3	240.1#
63	1240.1	108.9	202.3#





#13

Acetone

Concen: 2.750 ug/L

RT: 2.34 min Scan# 388

Delta R.T. 0.01 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 43 Resp: 6993

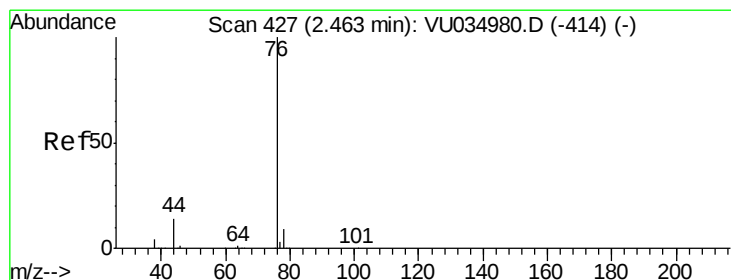
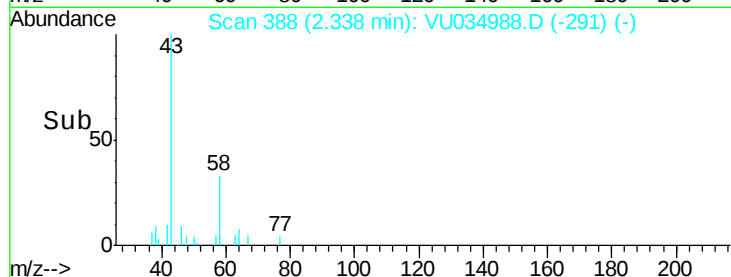
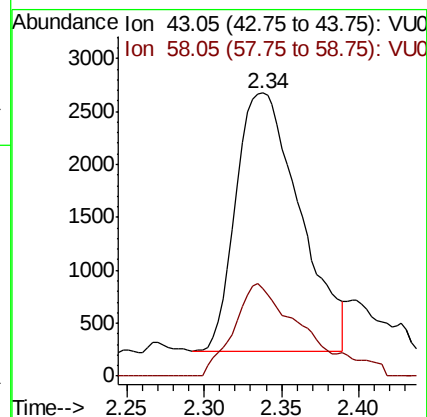
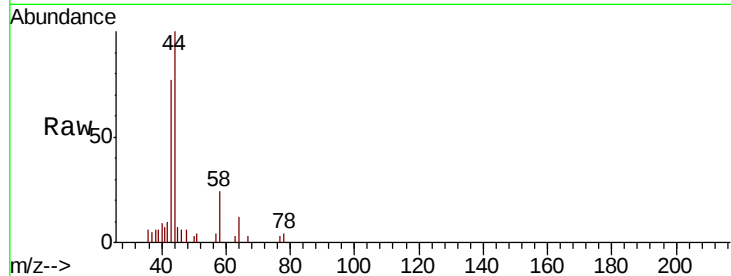
Ion Ratio Lower Upper

43 100

58 39.5 0.0 66.6

Manual Integrations
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10/9/2019 3:48:06 PM



#14

Carbon disulfide

Concen: 0.280 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034988.D

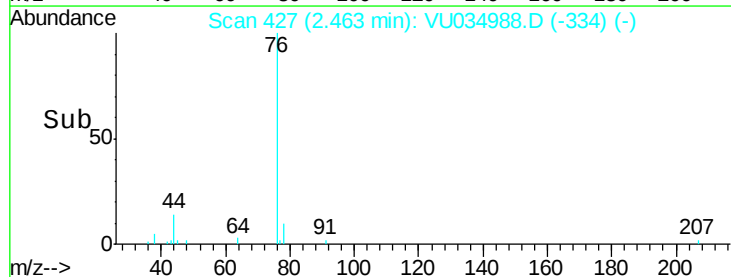
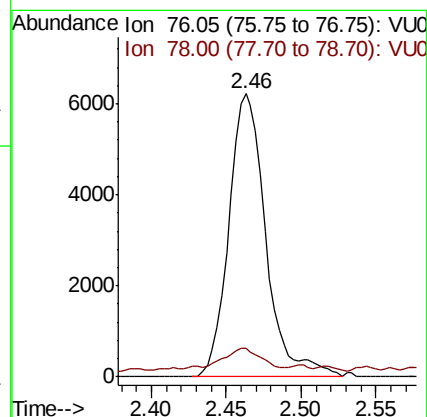
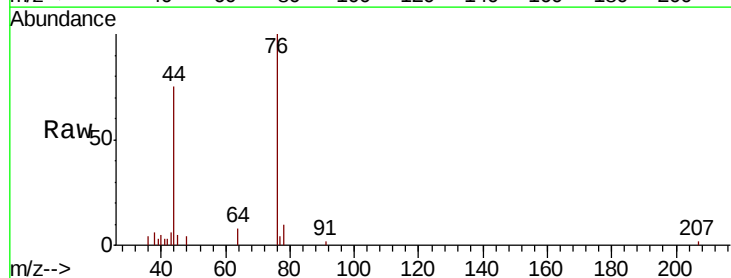
Acq: 08 Oct 2019 13:04

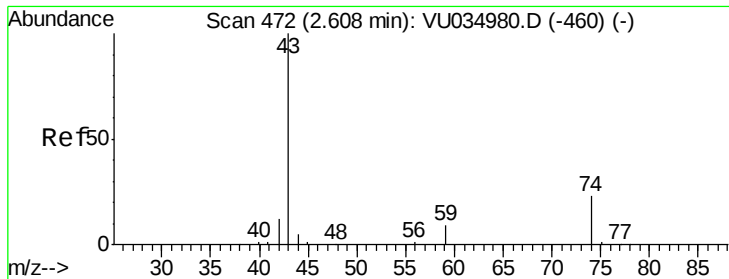
Tgt Ion: 76 Resp: 10691

Ion Ratio Lower Upper

76 100

78 10.0 7.1 10.7





#15

Methyl Acetate

Concen: 0.304 ug/L

RT: 2.62 min Scan# 475

Delta R.T. 0.01 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 43 Resp: 2056

Ion Ratio Lower Upper

43 100

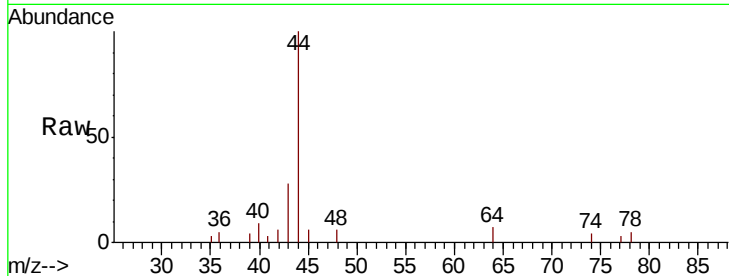
74 18.4 17.8 26.8

Manual Integrations

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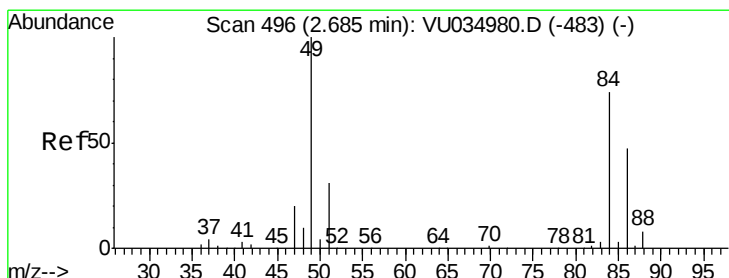
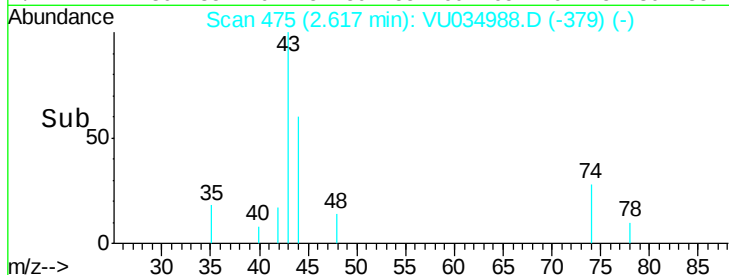
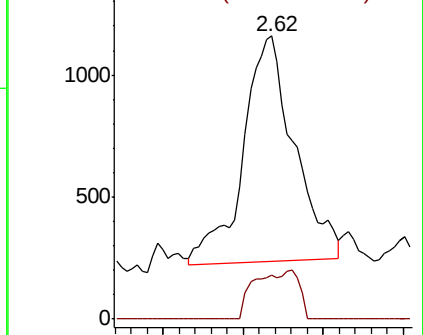
MMDadoda

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Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#16

Methylene chloride

Concen: 0.428 ug/L

RT: 2.68 min Scan# 496

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

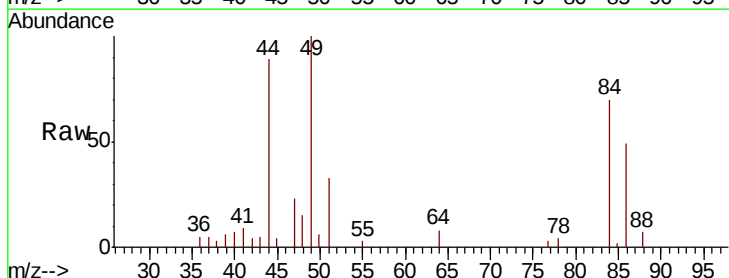
Tgt Ion: 84 Resp: 6076

Ion Ratio Lower Upper

84 100

86 69.8 42.5 78.9

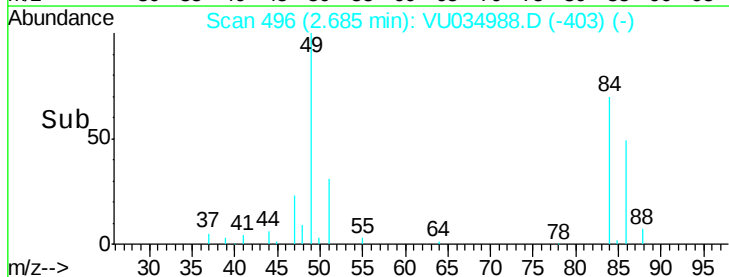
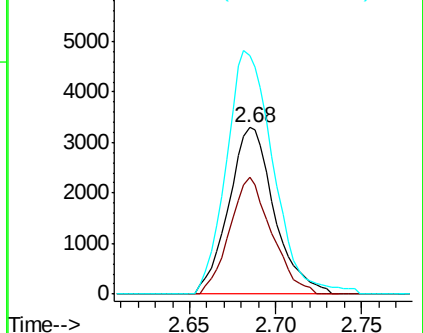
49 143.0 86.9 161.3

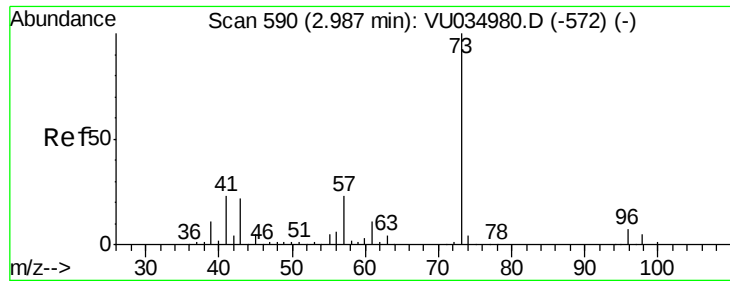


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





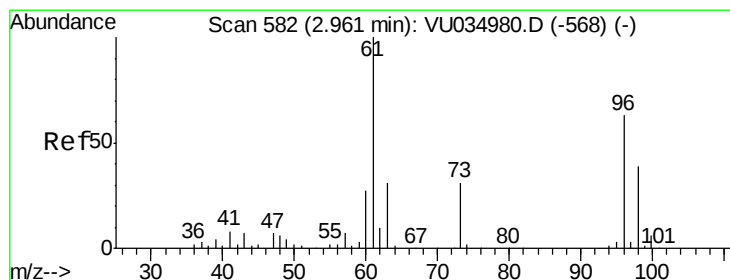
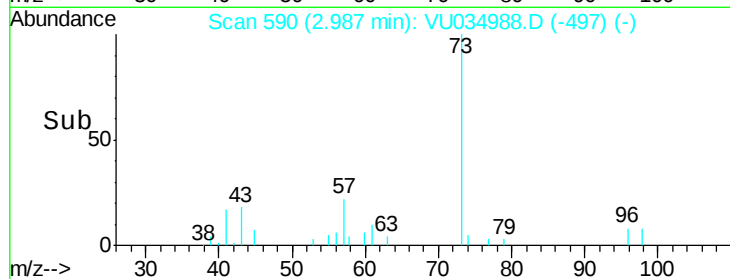
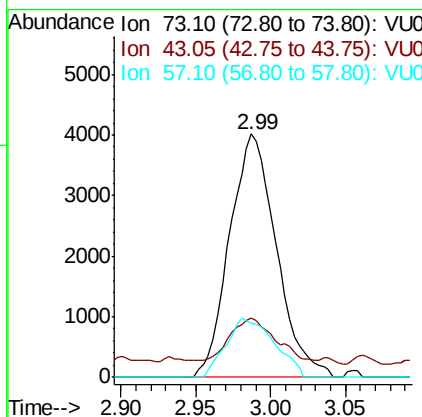
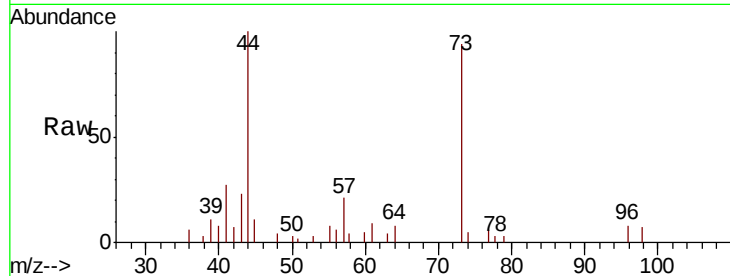
#17
Methvl tert-butvl Ether
Concen: 0.280 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.3	16.3	24.5
57	25.1	18.6	28.0

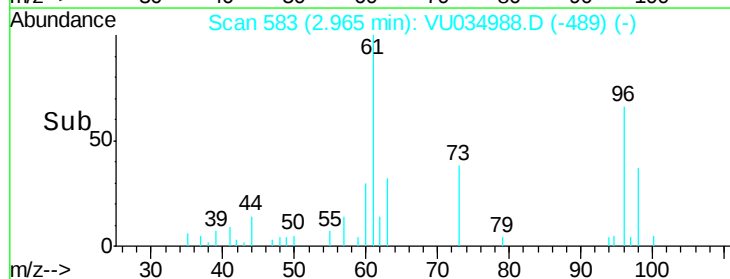
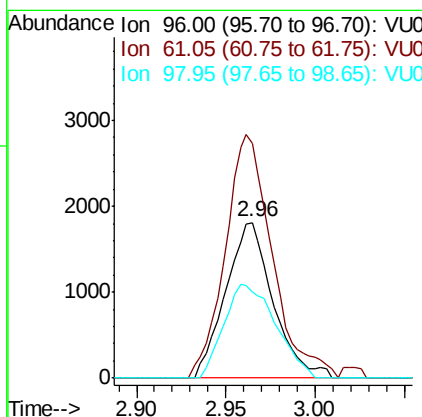
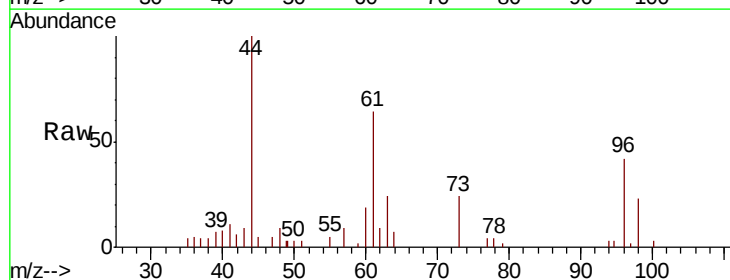
Manual Integrations
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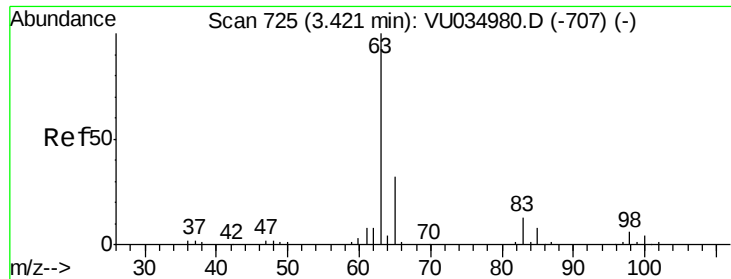
MMDadoda
10/9/2019 3:48:06 PM



#18
trans-1,2-Dichloroethene
Concen: 0.272 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.4	107.1	198.9
98	54.9	45.4	84.4





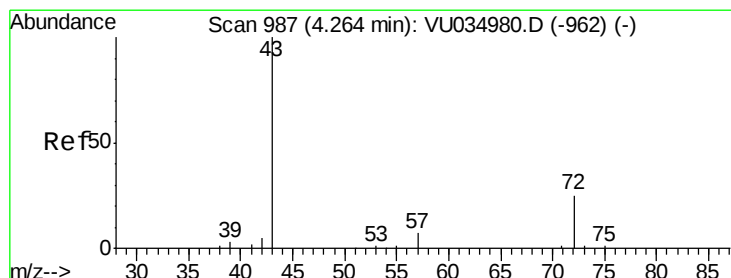
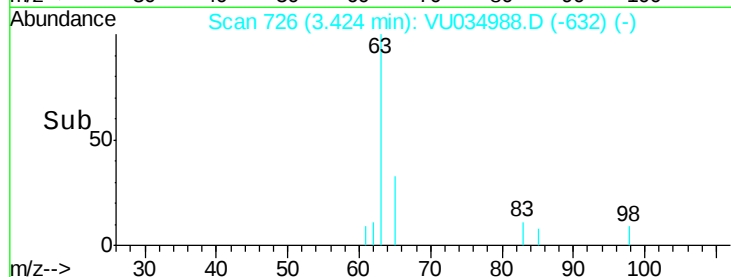
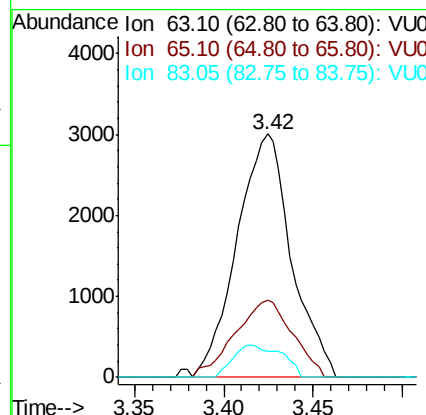
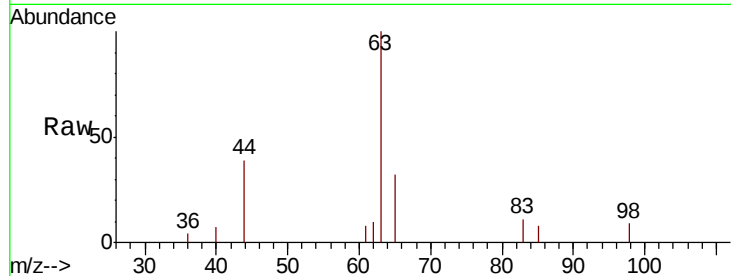
#19
 1,1-Dichloroethane
 Concen: 0.263 ug/L
 RT: 3.42 min Scan# 726
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.7	40.3
83	10.6	9.0	16.8

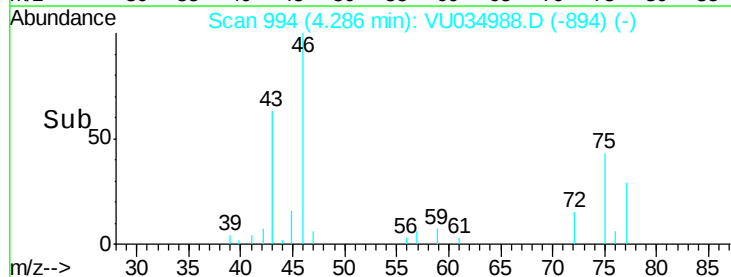
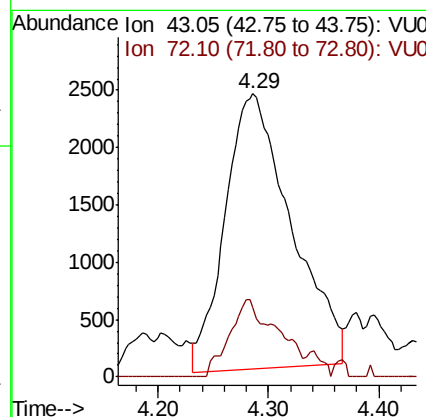
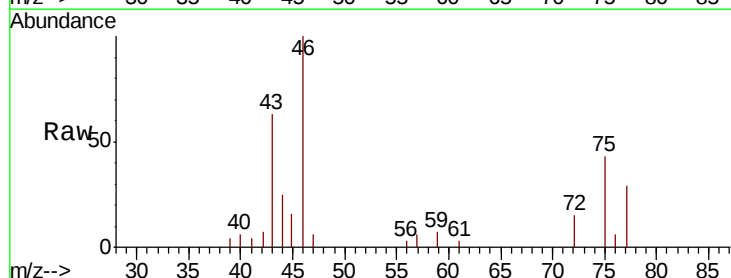
Manual Integrations
 APPROVED

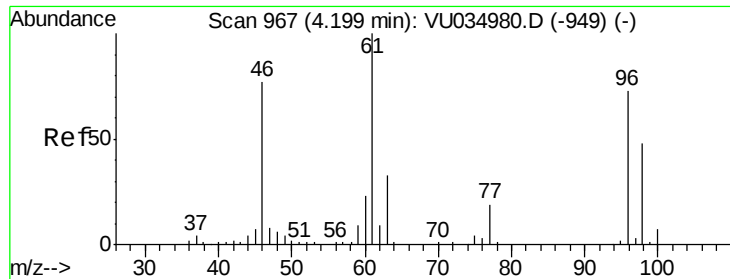
MMDadoda
 10/9/2019 3:48:06 PM



#21
 2-Butanone
 Concen: 2.757 ug/L
 RT: 4.29 min Scan# 994
 Delta R.T. 0.02 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.4	13.5	40.4





#22

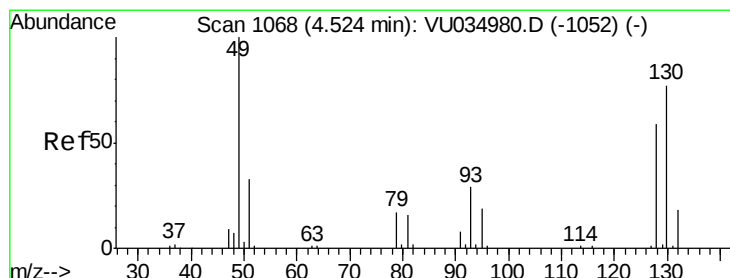
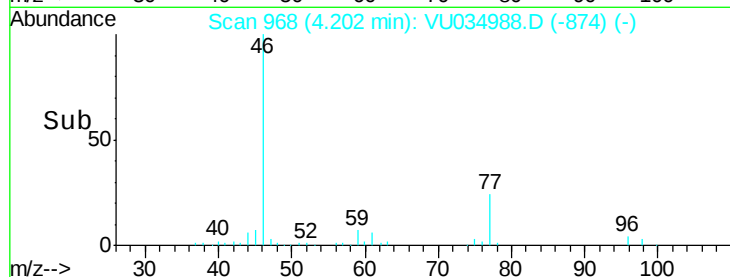
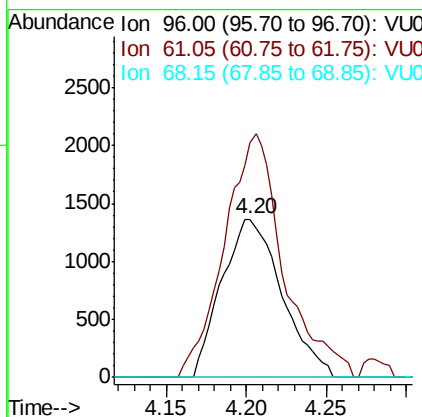
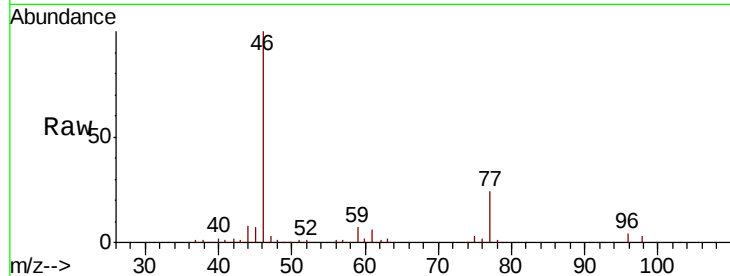
cis-1,2-Dichloroethene
Concen: 0.258 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	89.2	165.6
68	0.0	0.0	0.0

Manual Integrations
APPROVED

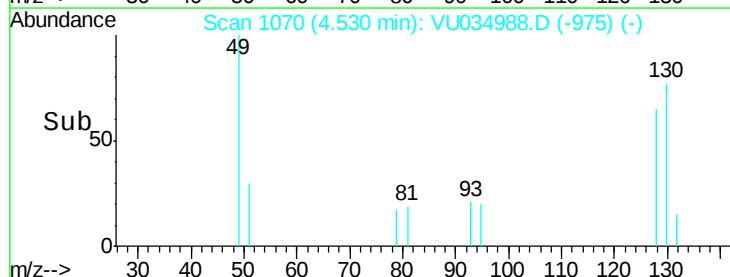
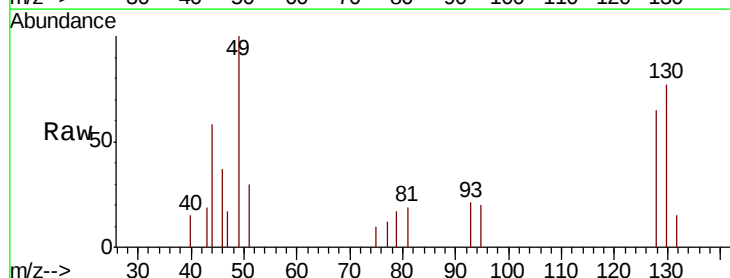
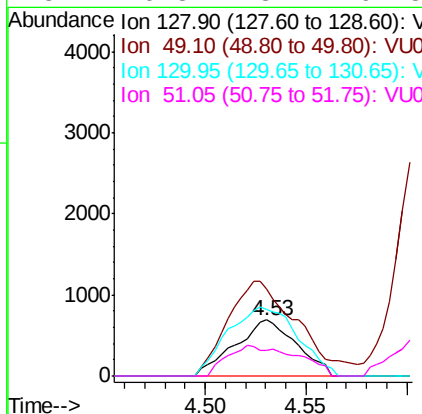
MMDadoda
10/9/2019 3:48:06 PM

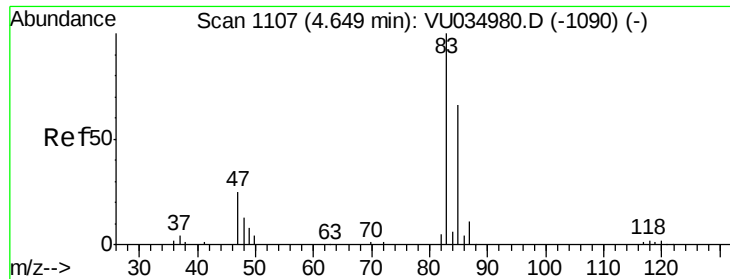


#23

Bromochloromethane
Concen: 0.254 ug/L
RT: 4.53 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
128	100		
49	154.7	110.5	205.3
130	119.2	88.6	164.6
51	46.8	43.2	64.8





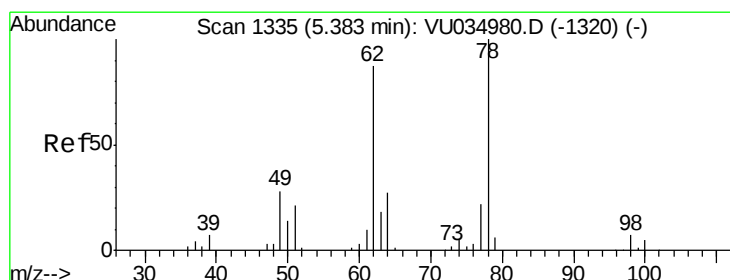
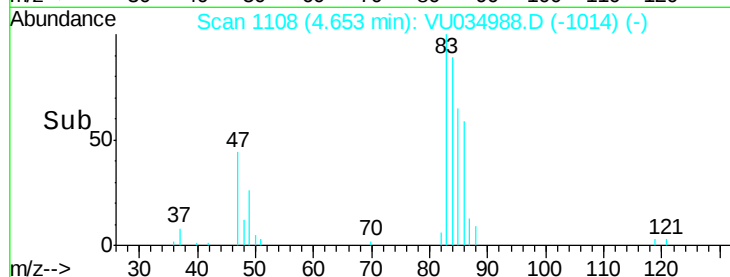
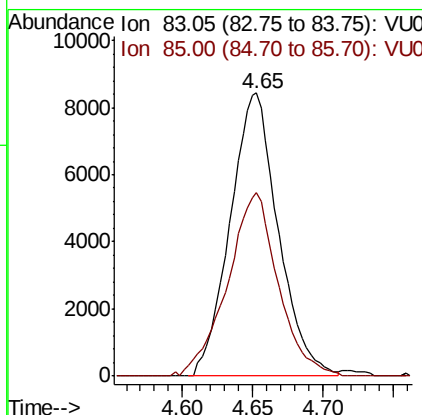
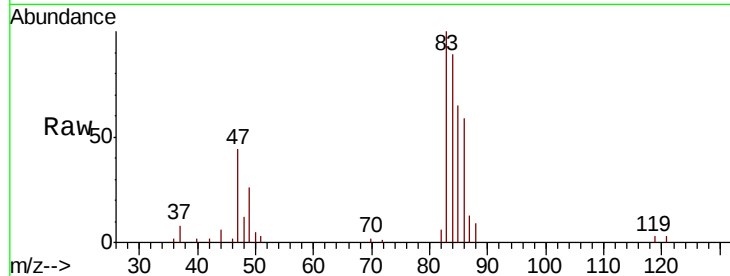
#25
Chloroform
Concen: 0.735 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 83 Resp: 20122
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.4

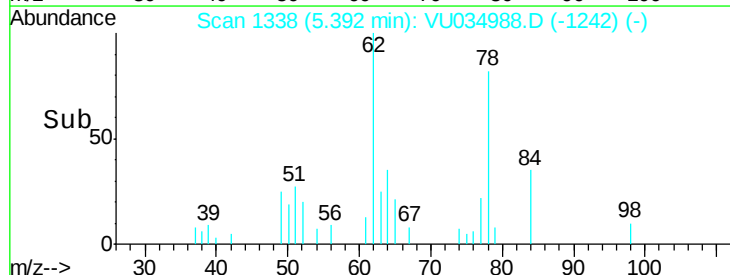
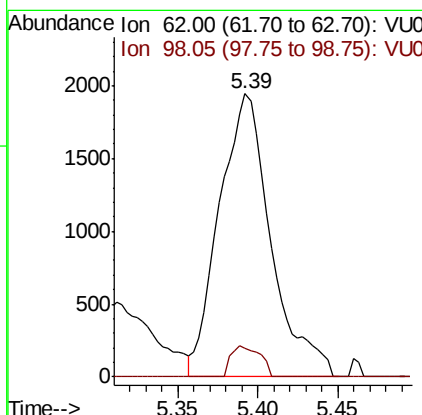
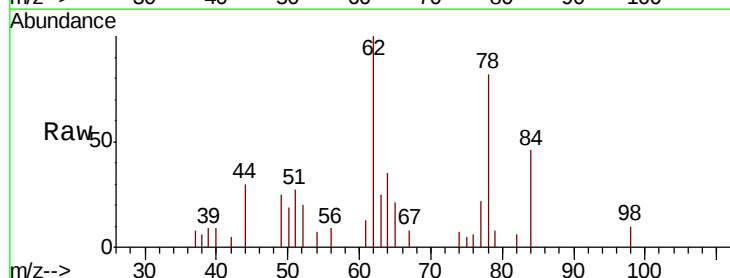
Manual Integrations
APPROVED

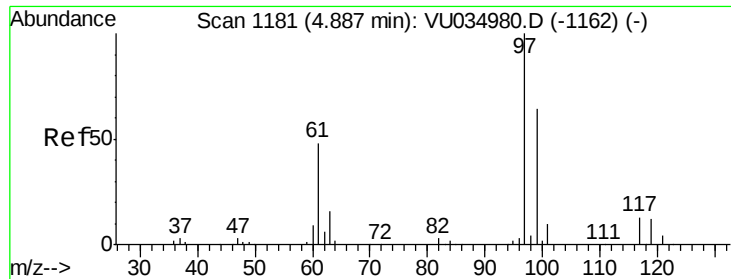
MMDadoda
10/9/2019 3:48:06 PM



#27
1,2-Dichloroethane
Concen: 0.269 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion: 62 Resp: 4296
Ion Ratio Lower Upper
62 100
98 10.3 6.6 10.0#





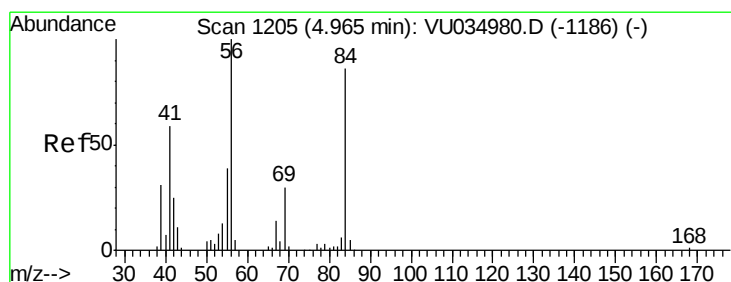
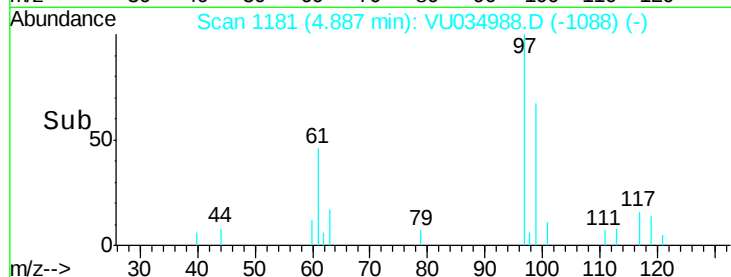
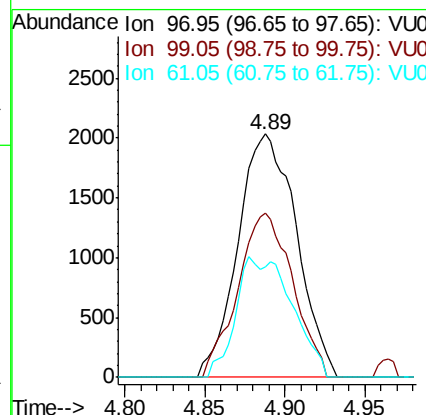
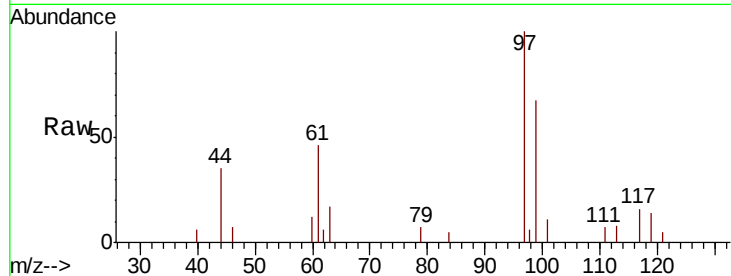
#29
1,1,1-Trichloroethane
Concen: 0.252 ug/L
RT: 4.89 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.6	77.4
61	21.0	36.2	54.4

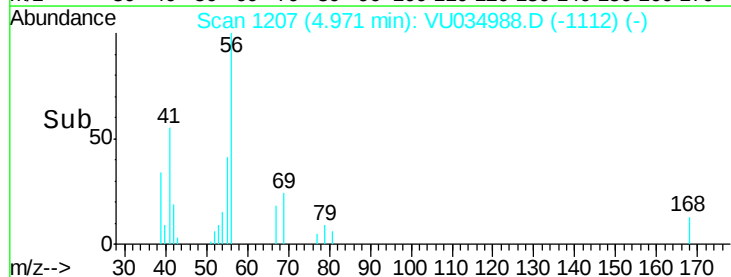
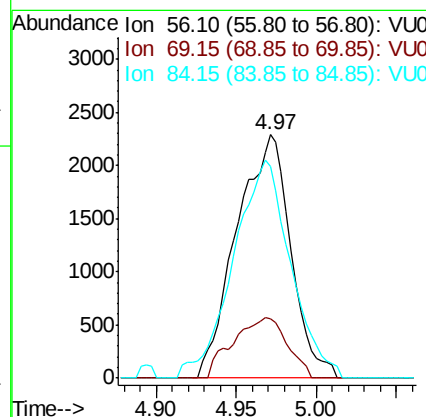
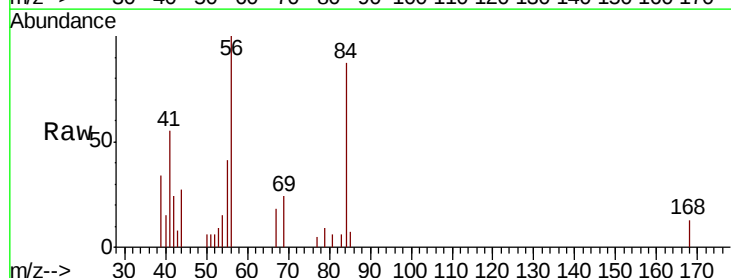
Manual Integrations
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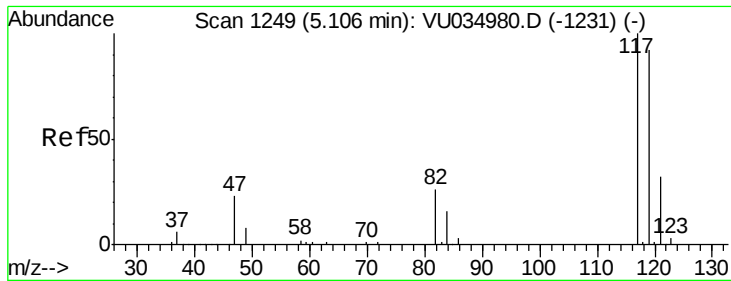
MMDadoda
10/9/2019 3:48:06 PM



#30
Cyclohexane
Concen: 0.239 ug/L
RT: 4.97 min Scan# 1207
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
56	100		
69	24.8	23.9	35.9
84	94.8	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.235 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion:117 Resp: 4107

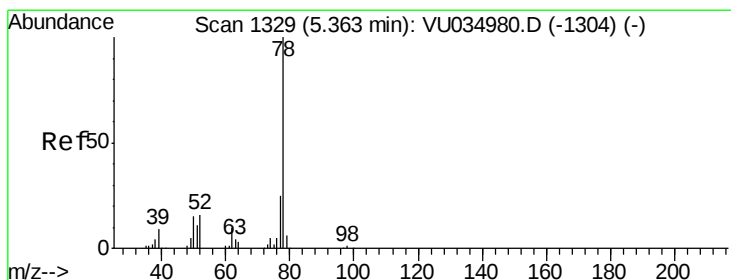
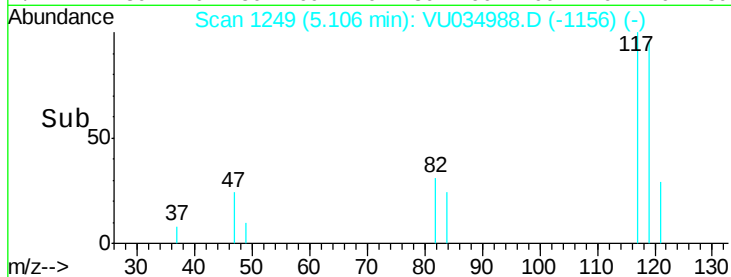
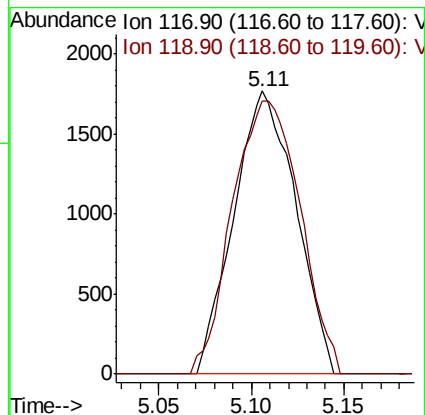
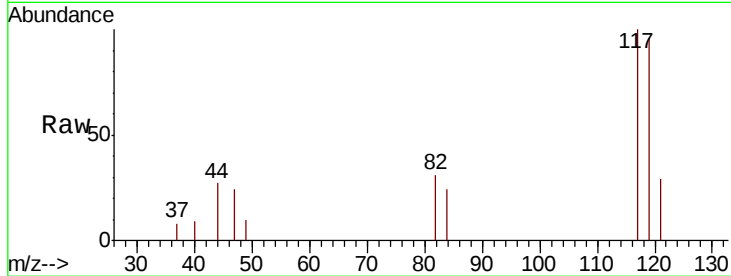
Ion Ratio Lower Upper

117 100

119 105.7 77.5 116.3

Manual Integrations
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10/9/2019 3:48:06 PM



#33

Benzene

Concen: 0.251 ug/L

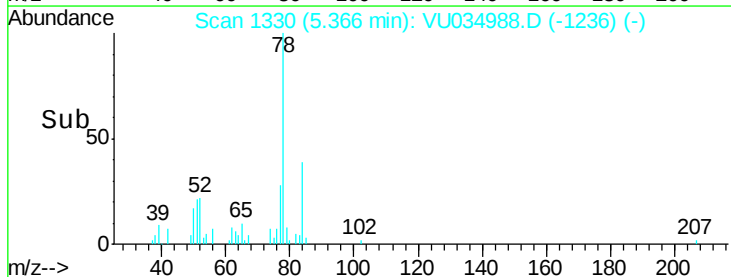
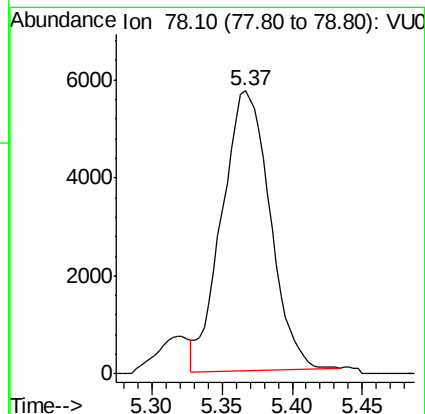
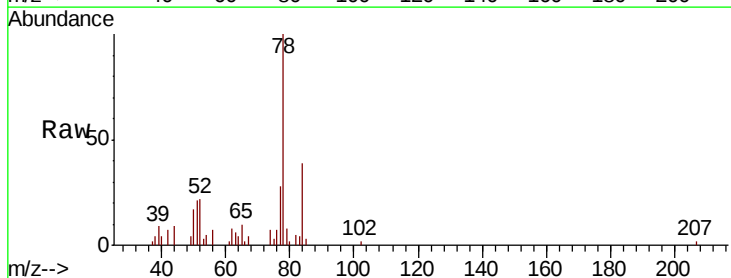
RT: 5.37 min Scan# 1330

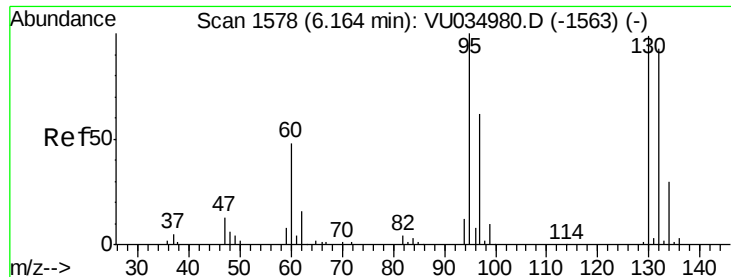
Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Tgt Ion: 78 Resp: 13572





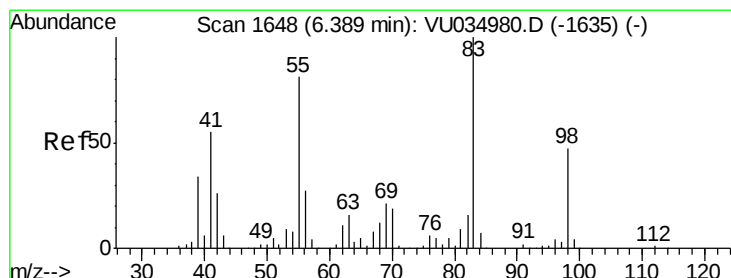
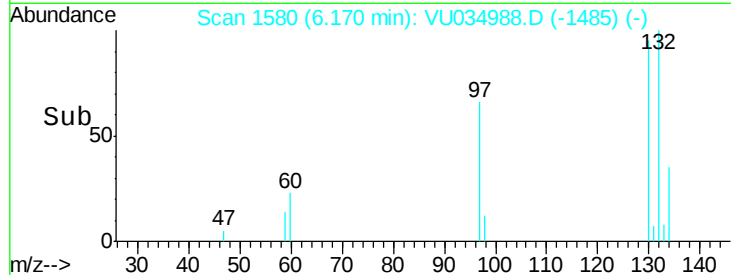
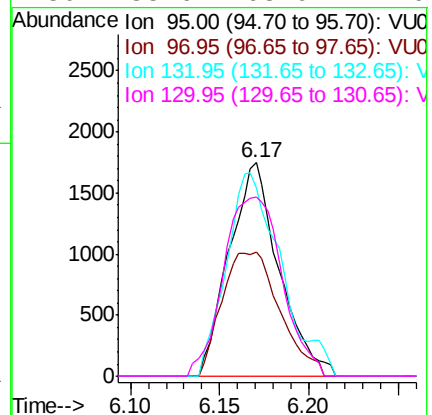
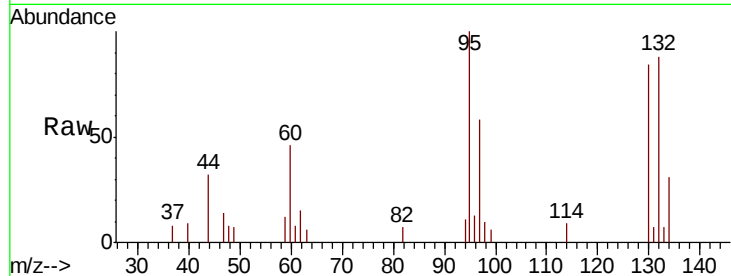
#34
 Trichloroethene
 Concen: 0.243 ug/L
 RT: 6.17 min Scan# 1580
 Delta R.T. 0.01 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion:	95	Resp:	3400
Ion	Ratio	Lower	Upper
95	100		
97	58.0	44.5	82.7
132	88.1	66.6	123.8
130	83.6	68.9	127.9

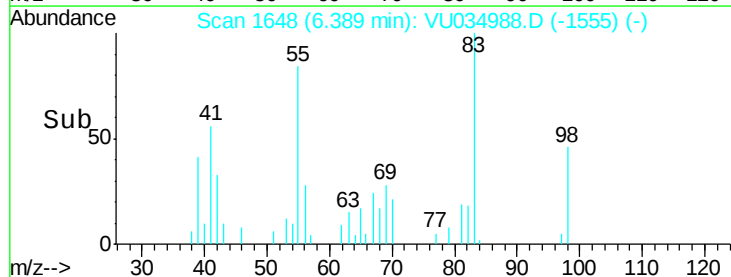
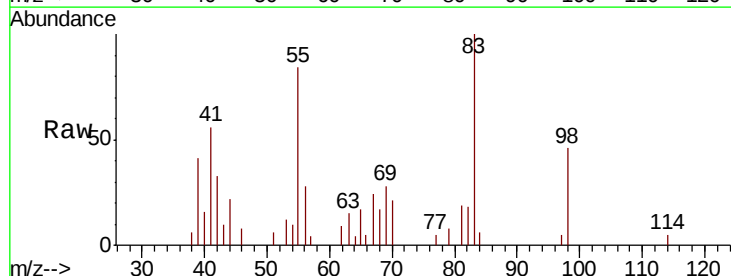
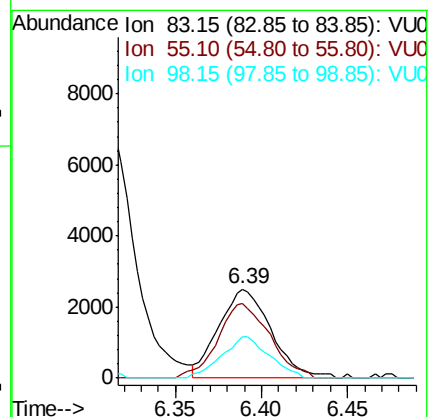
Manual Integrations
 APPROVED

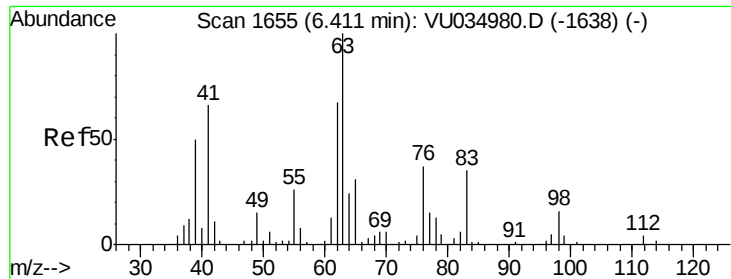
MMDadoda
 10/9/2019 3:48:06 PM



#35
 Methylcyclohexane
 Concen: 0.234 ug/L
 RT: 6.39 min Scan# 1648
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Tgt Ion:	83	Resp:	5292
Ion	Ratio	Lower	Upper
83	100		
55	83.3	62.6	94.0
98	42.6	36.2	54.2





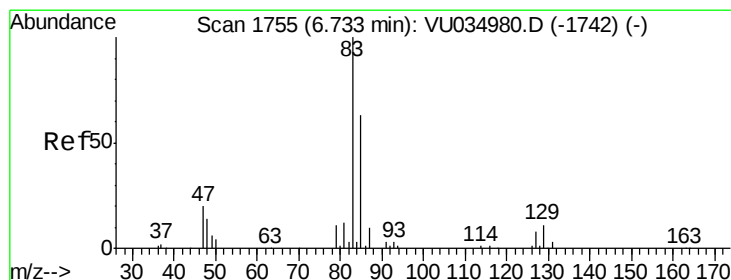
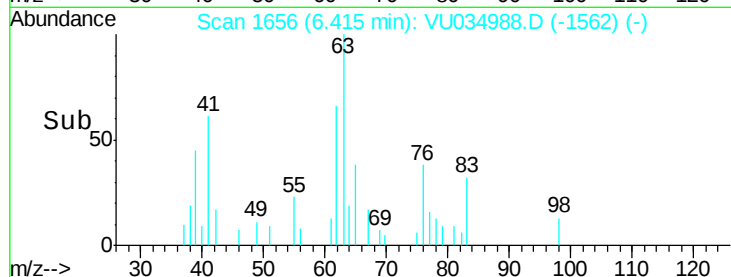
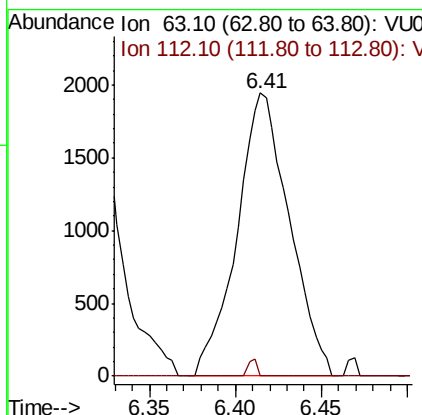
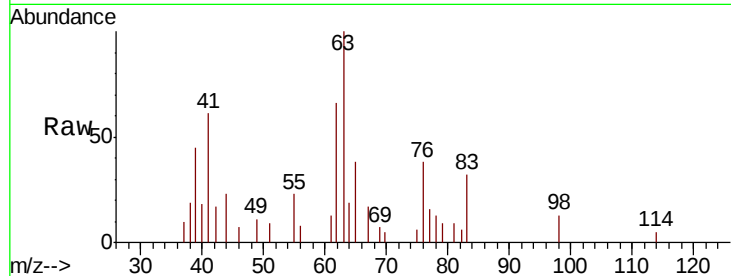
#37
 1,2-Dichloropropane
 Concen: 0.282 ug/L
 RT: 6.41 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 63 Resp: 4120
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.1 4.7#

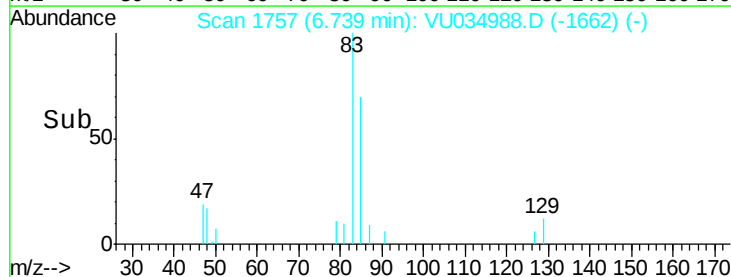
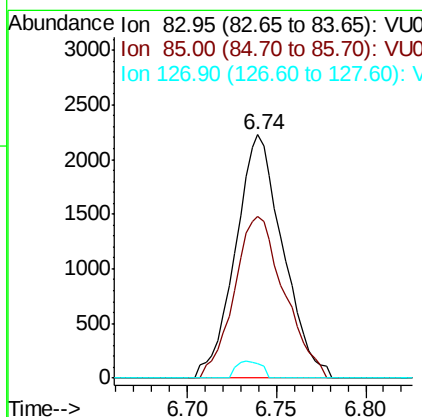
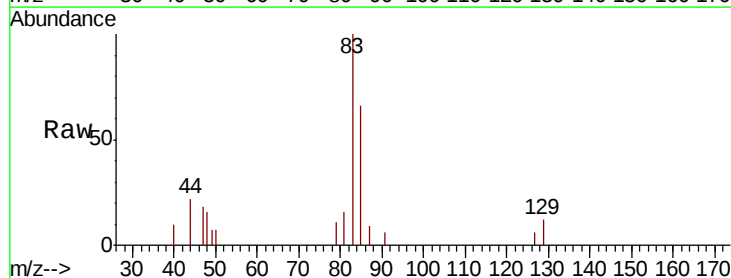
Manual Integrations
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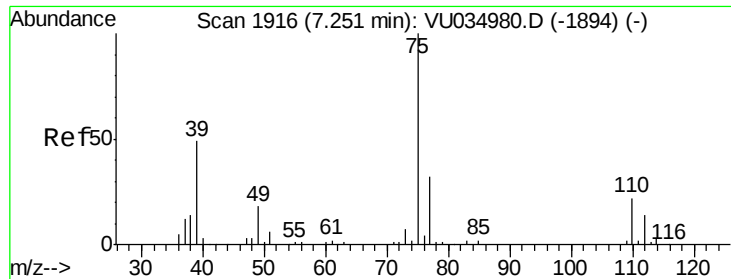
MMDadoda
 10/9/2019 3:48:06 PM



#38
 Bromodichloromethane
 Concen: 0.241 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Tgt Ion: 83 Resp: 4130
 Ion Ratio Lower Upper
 83 100
 85 66.2 44.0 81.8
 127 5.9 7.0 10.4#





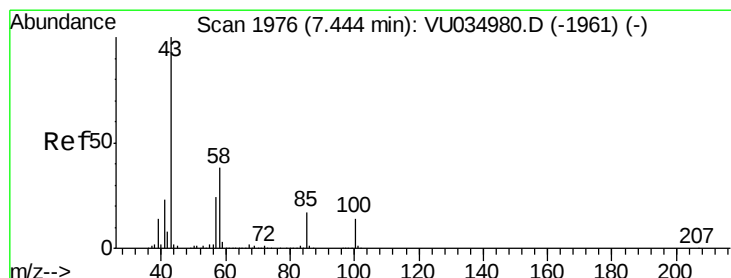
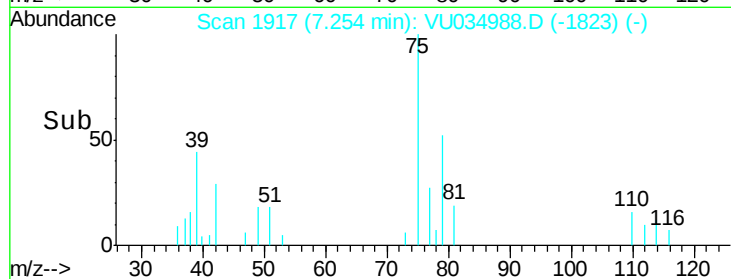
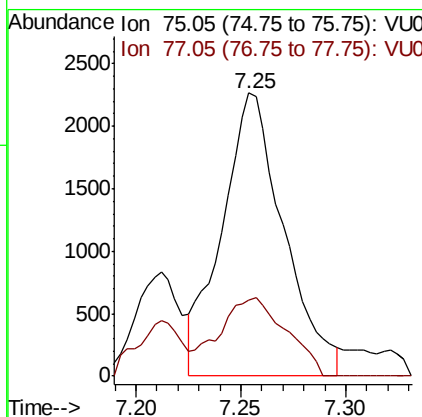
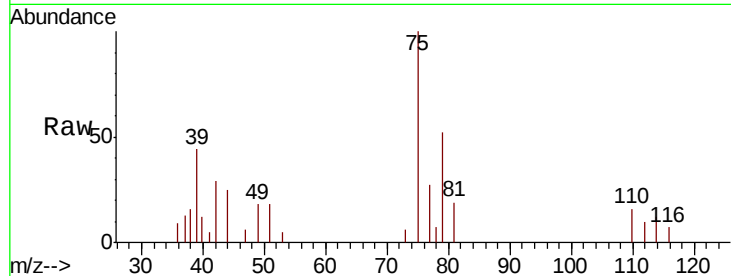
#39
 cis-1,3-Dichloropropene
 Concen: 0.235 ug/L m
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 4653
 Ion Ratio Lower Upper
 75 100
 77 26.9 22.1 41.1

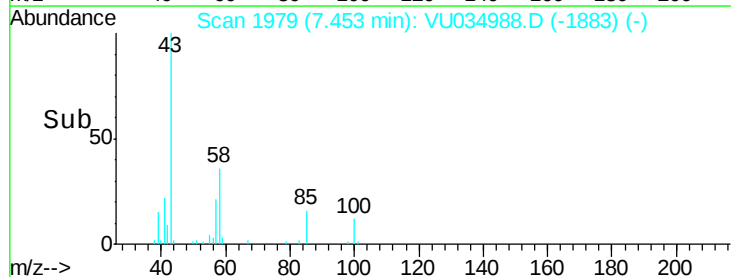
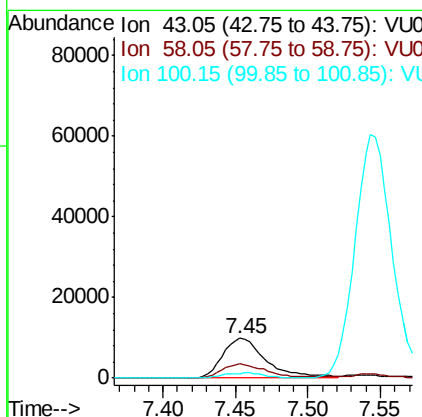
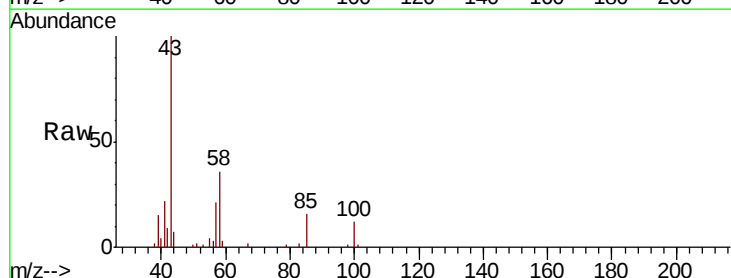
Manual Integrations
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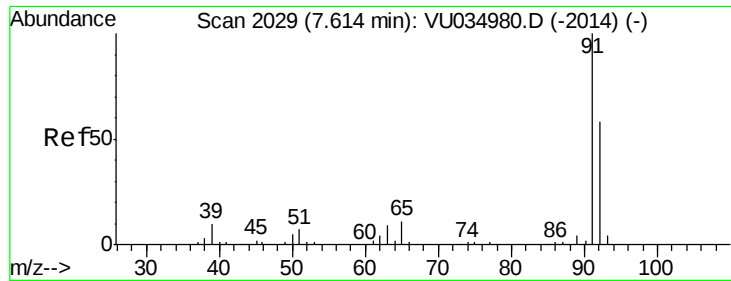
MMDadoda
 10/9/2019 3:48:06 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.252 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Tgt Ion: 43 Resp: 20705
 Ion Ratio Lower Upper
 43 100
 58 36.3 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.262 ug/L

RT: 7.62 min Scan# 2031

Delta R.T. 0.01 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 14833

Ion Ratio Lower Upper

91 100

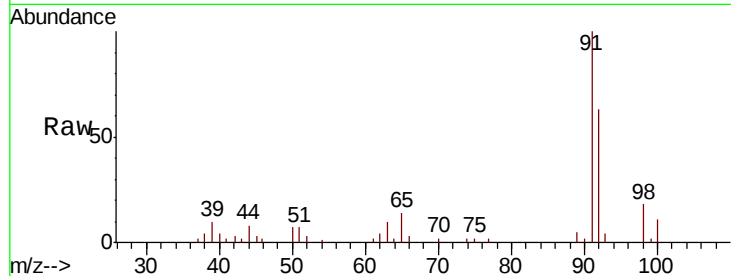
92 62.9 40.0 74.2

Manual Integrations

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MMDadoda

10/9/2019 3:48:06 PM



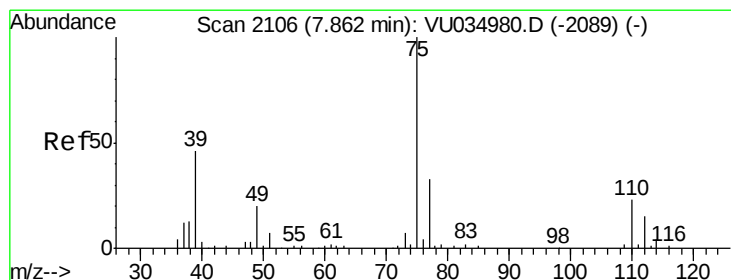
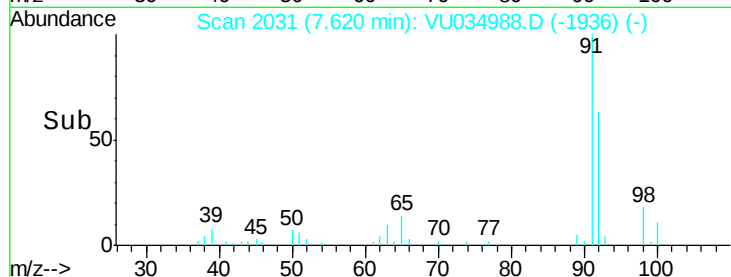
Abundance Ion 91.15 (90.85 to 91.85): VU034988.D (-2014) (-)

Ion 92.15 (91.85 to 92.85): VU034988.D (-2014) (-)

7.62

7.60 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.227 ug/L m

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034988.D

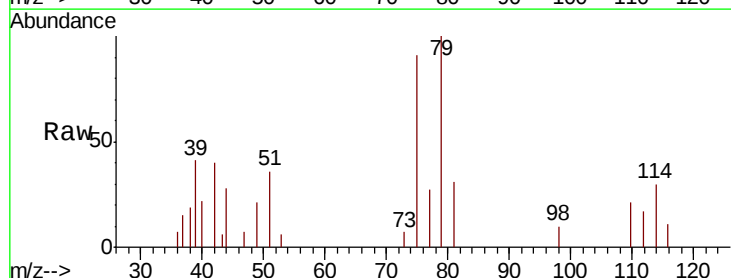
Acq: 08 Oct 2019 13:04

Tgt Ion: 75 Resp: 3475

Ion Ratio Lower Upper

75 100

77 29.1 21.6 40.0



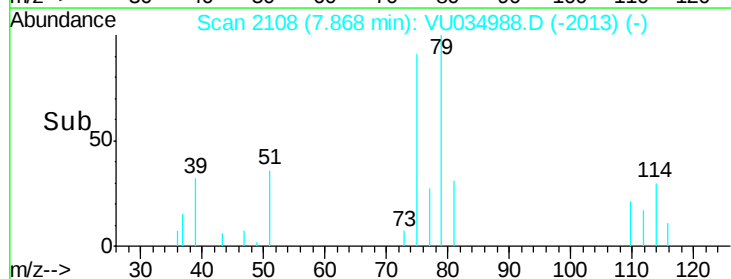
Abundance Ion 75.05 (74.75 to 75.75): VU034988.D (-2089) (-)

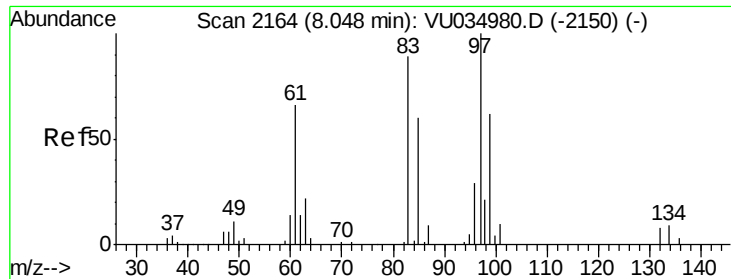
Ion 77.05 (76.75 to 77.75): VU034988.D (-2089) (-)

7.87

7.80 7.85 7.90

Time-->





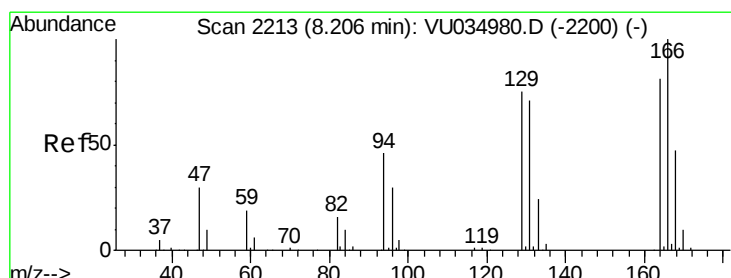
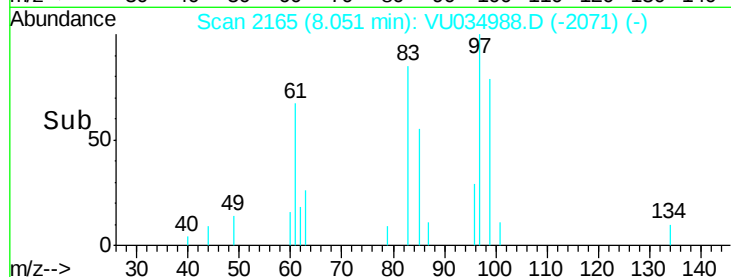
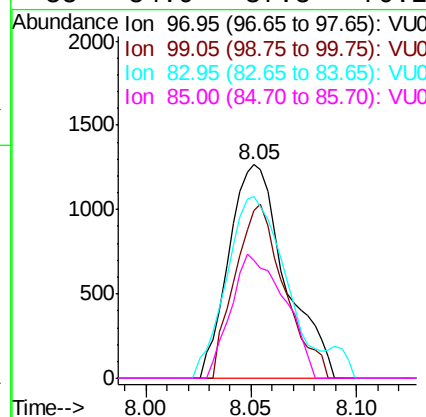
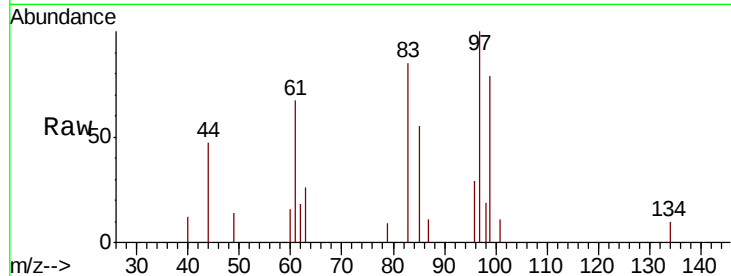
#45
1,1,2-Trichloroethane
Concen: 0.243 ug/L
RT: 8.05 min Scan# 2165
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	78.8	42.3	78.5#
83	84.8	58.0	107.6
85	54.9	37.8	70.2

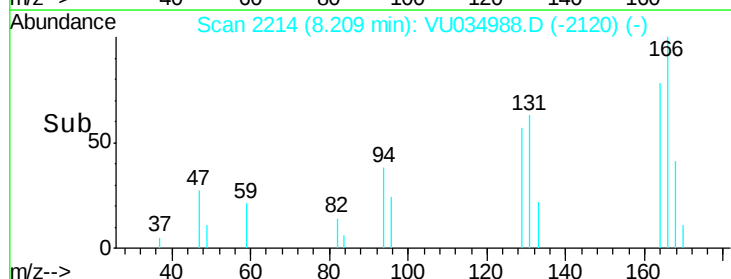
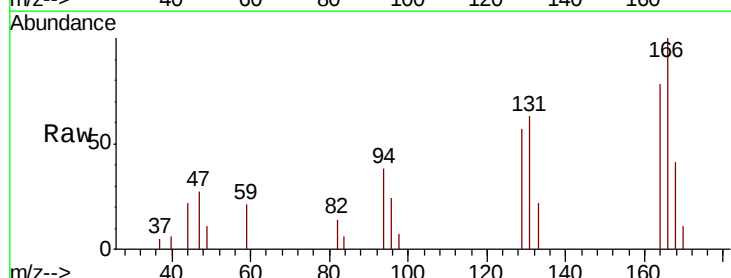
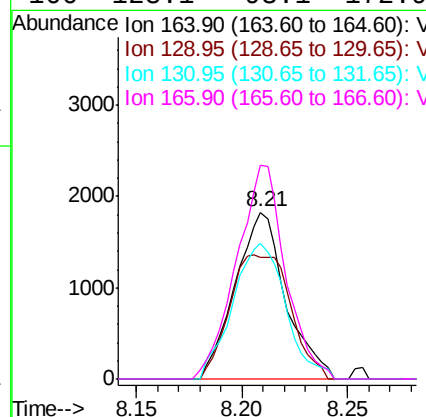
Manual Integrations
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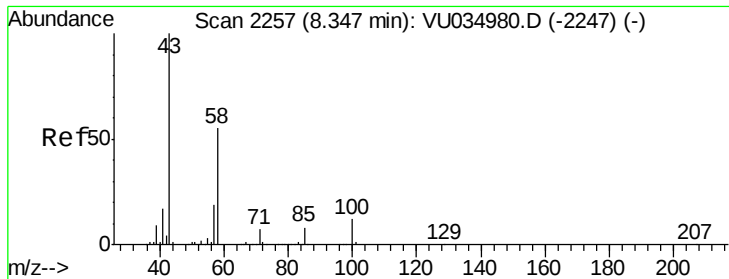
MMDadoda
10/9/2019 3:48:06 PM



#47
Tetrachloroethene
Concen: 0.269 ug/L
RT: 8.21 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
164	100		
129	73.3	68.5	127.1
131	81.3	67.3	124.9
166	128.1	93.1	172.9





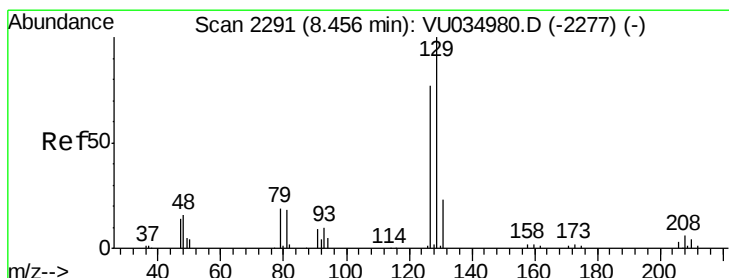
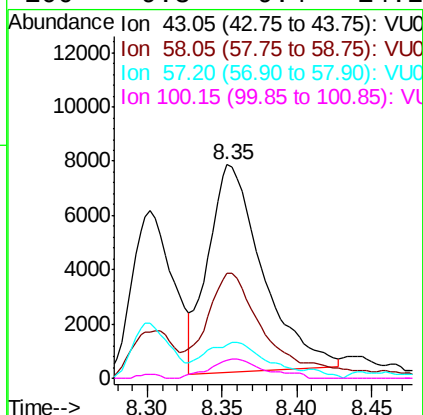
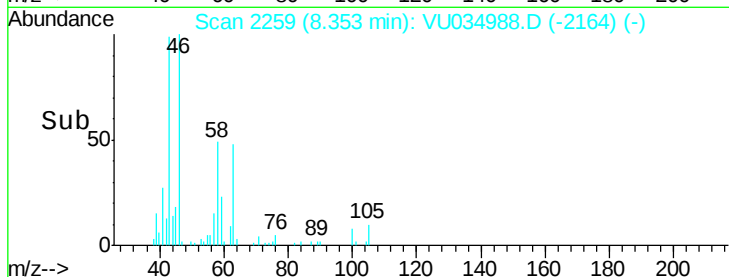
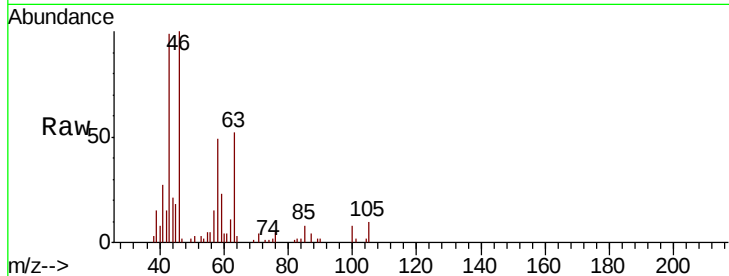
#48
2-Hexanone
Concen: 3.083 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.9	44.1	66.1#
57	14.7	15.8	23.8#
100	9.3	9.4	14.2#

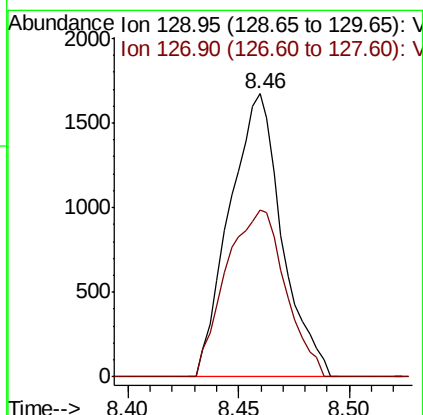
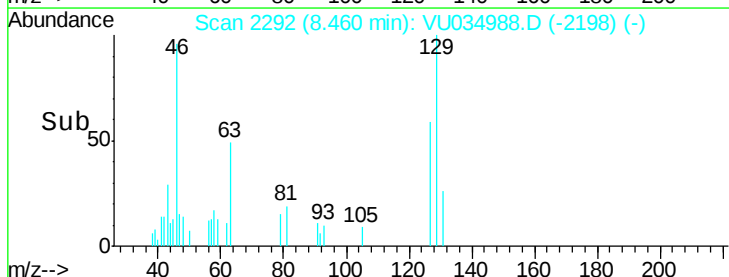
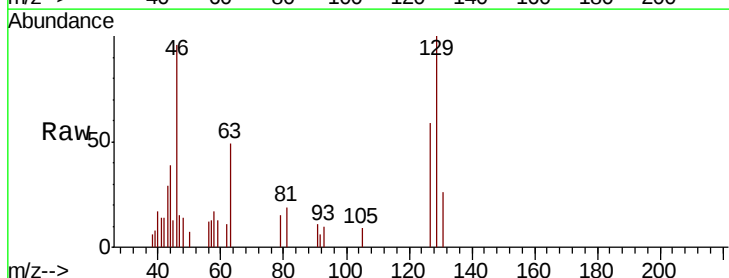
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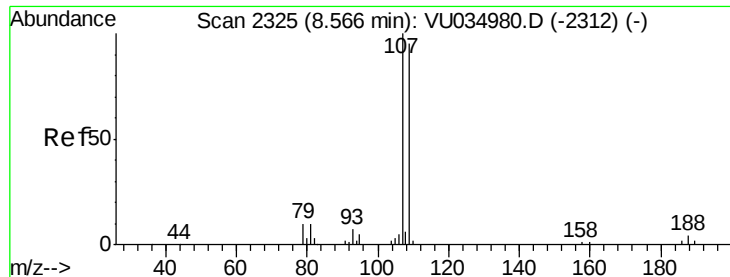
MMDadoda
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#49
Dibromochloromethane
Concen: 0.246 ug/L
RT: 8.46 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
129	100		
127	59.0	51.9	96.5





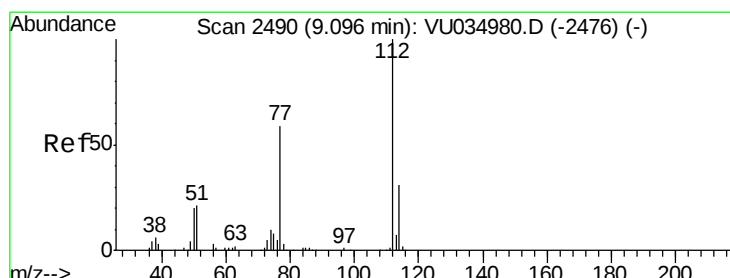
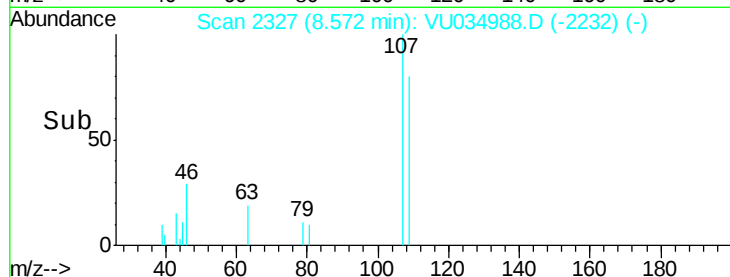
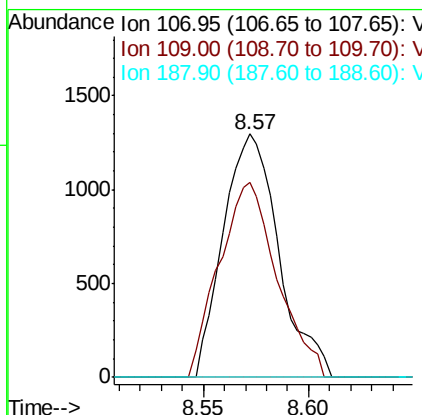
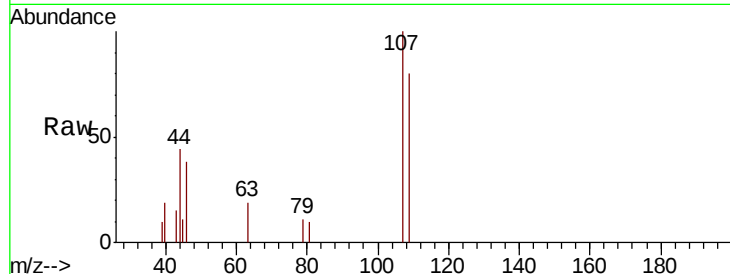
#50
1,2-Dibromoethane
Concen: 0.256 ug/L
RT: 8.57 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Resp	Lower	Upper
107	100	2374		
109	80.3	64.8	120.4	
188	0.0	3.0	4.6#	

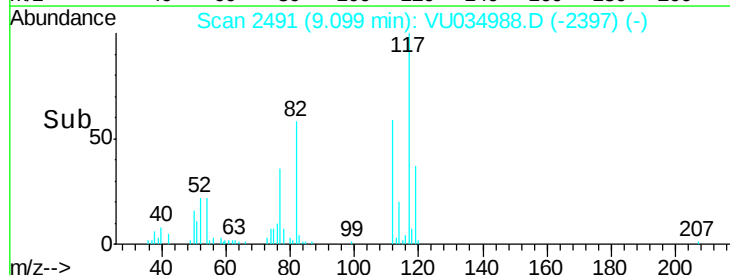
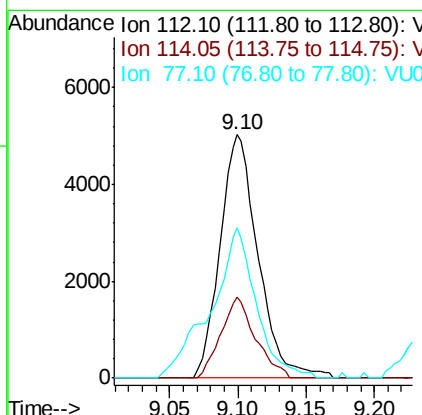
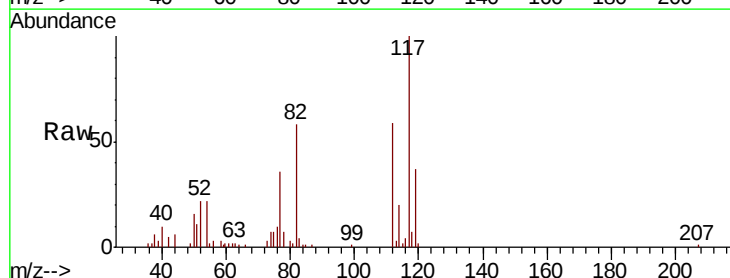
Manual Integrations
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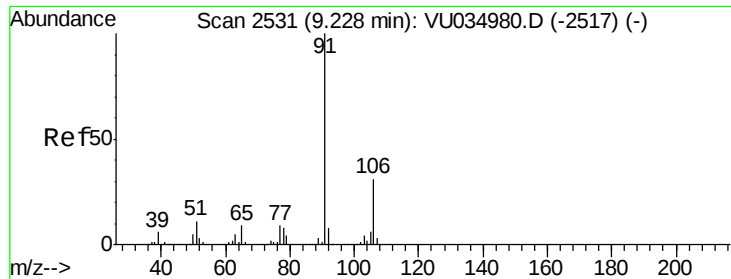
MMDadoda
10/9/2019 3:48:06 PM



#51
Chlorobenzene
Concen: 0.265 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	9719		
114	33.3	22.1	41.1	
77	61.7	46.9	70.3	





#52

Ethylbenzene

Concen: 0.232 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 14484

Ion Ratio Lower Upper

91 100

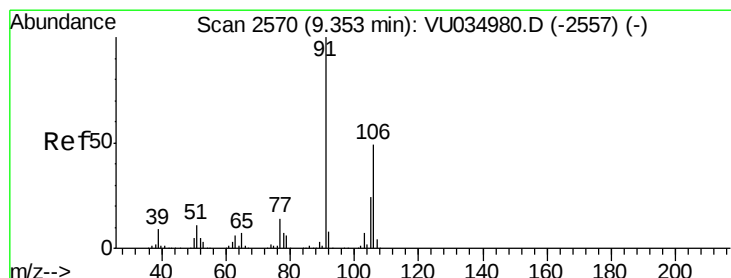
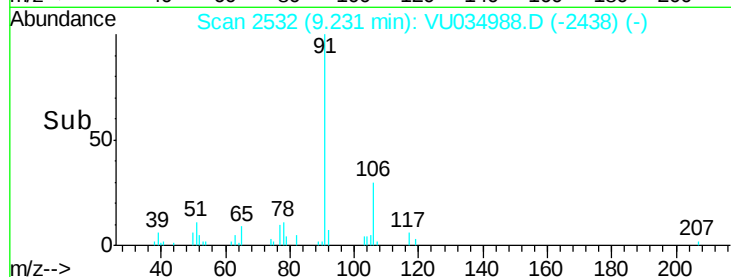
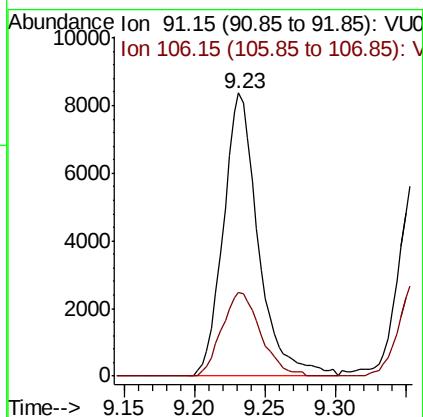
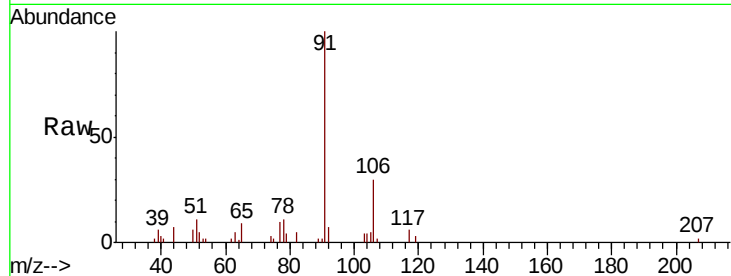
106 29.6 21.6 40.2

Manual Integrations

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#53

m,p-Xylene

Concen: 0.220 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034988.D

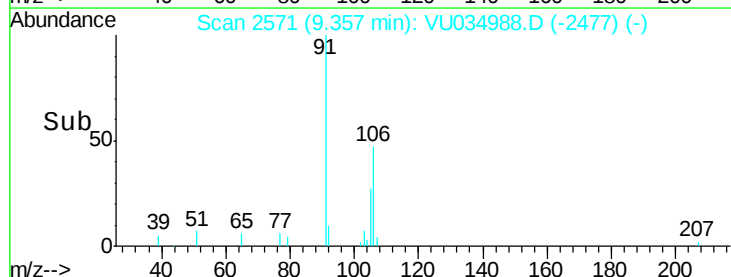
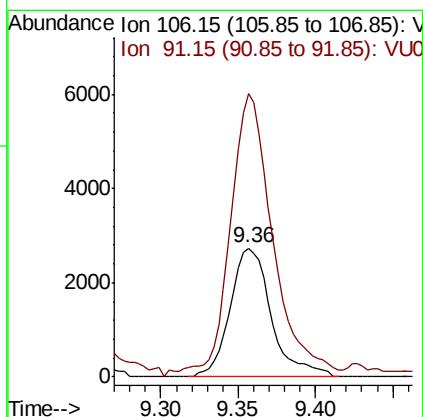
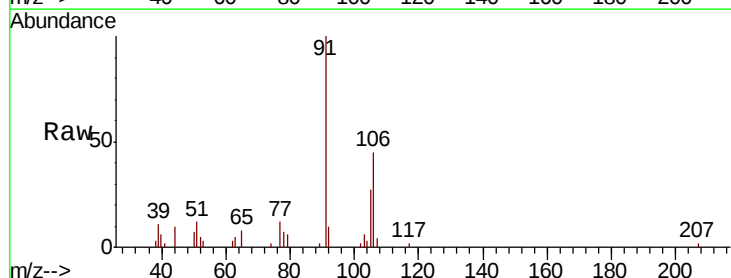
Acq: 08 Oct 2019 13:04

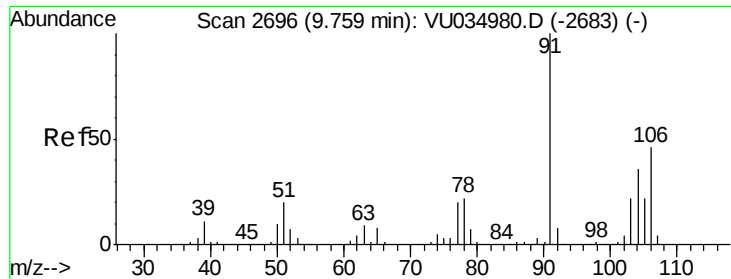
Tgt Ion: 106 Resp: 5067

Ion Ratio Lower Upper

106 100

91 220.0 147.6 274.0





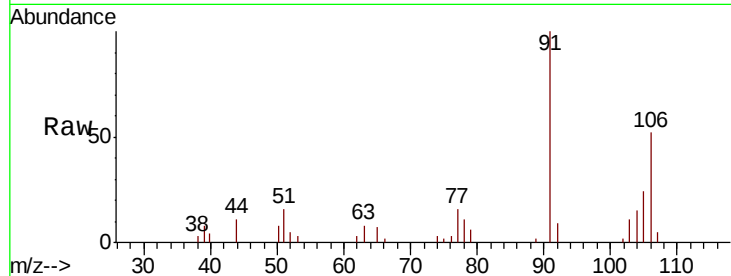
#54
o-Xylene
Concen: 0.222 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Instrument :
MSVOA_U
ClientSampleId :
MDL06

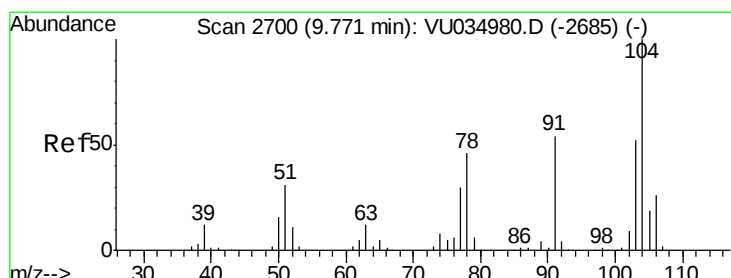
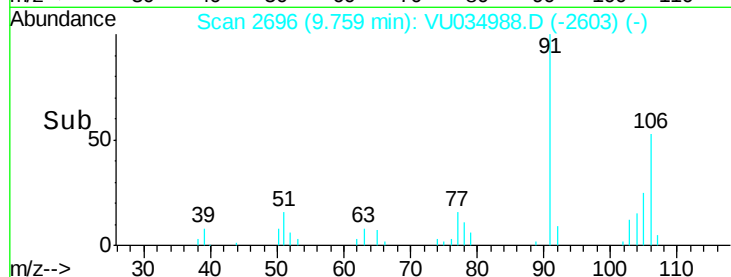
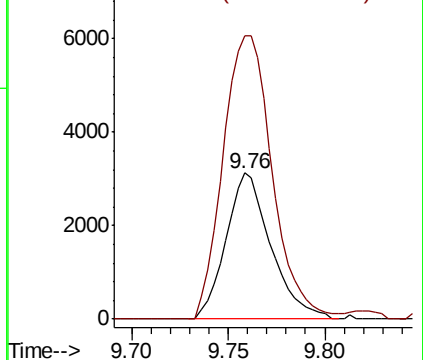
Tot Ion:106 Resp: 5017
Ion Ratio Lower Upper
106 100
91 194.1 148.5 275.7

Manual Integrations
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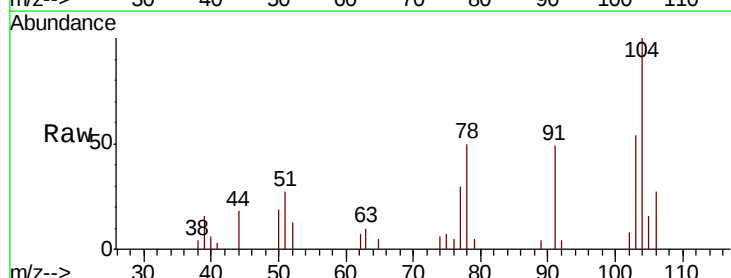


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

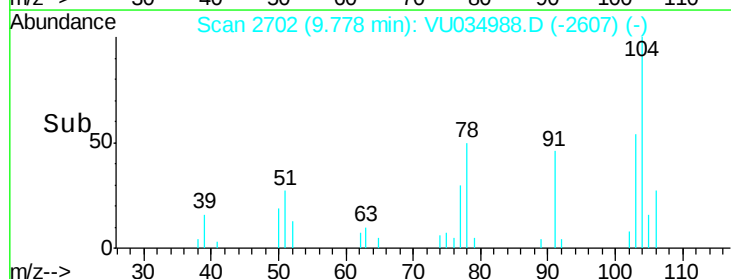
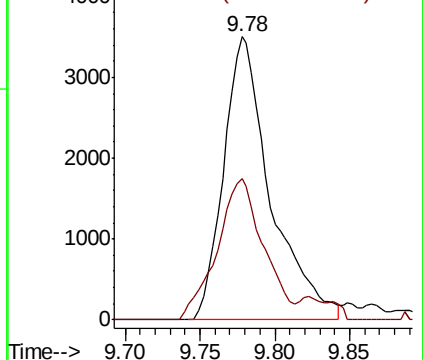


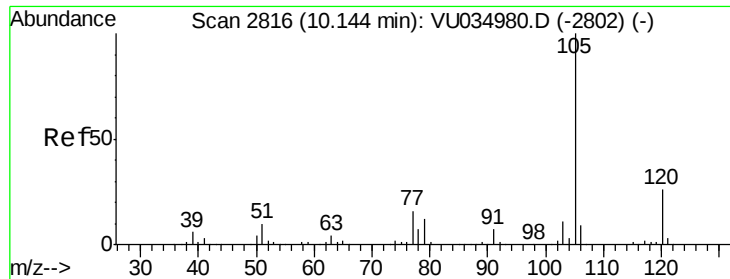
#55
Styrene
Concen: 0.209 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034988.D
Acq: 08 Oct 2019 13:04

Tgt Ion:104 Resp: 7643
Ion Ratio Lower Upper
104 100
78 49.8 32.8 60.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 0.219 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

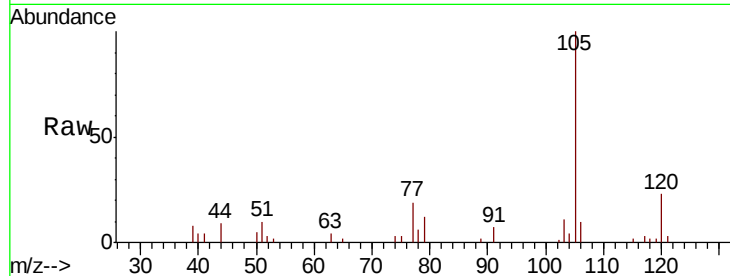
ClientSampled :

MDL06

Tot Ion:	105	Resp:	13144
Ion Ratio	Lower	Upper	
105	100		
120	25.3	21.3	31.9
77	18.3	13.0	19.4

Manual Integrations
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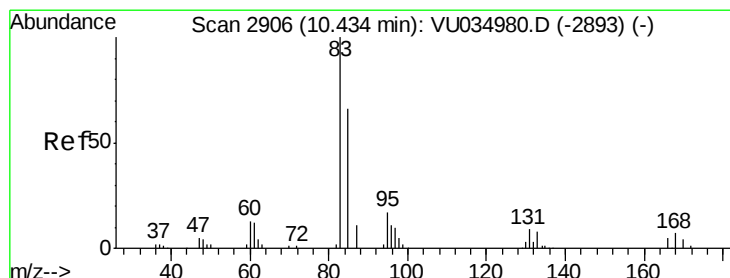
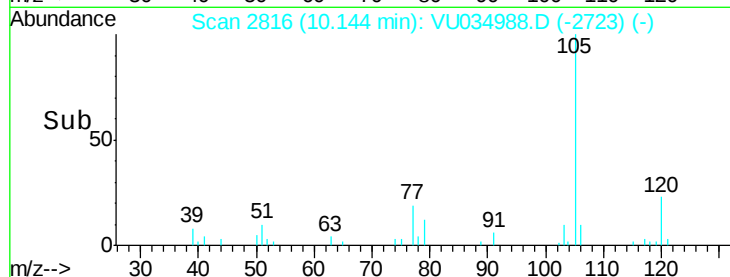
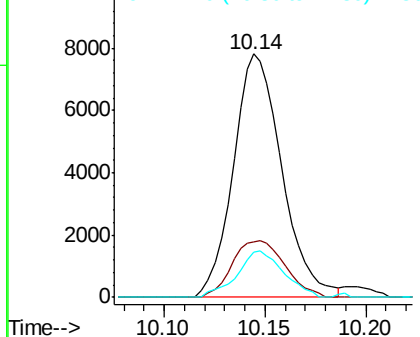
MMDadoda
10/9/2019 3:48:06 PM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 0.264 ug/L

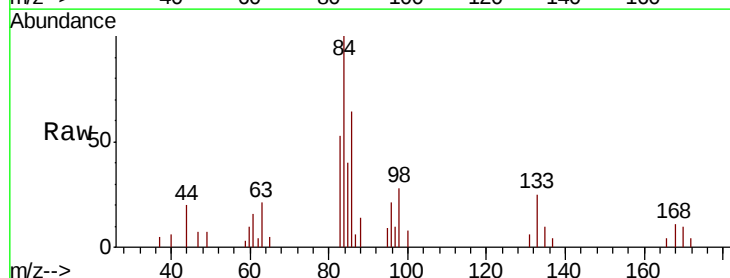
RT: 10.44 min Scan# 2907

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

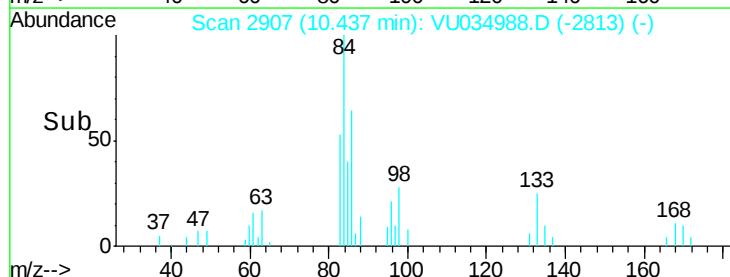
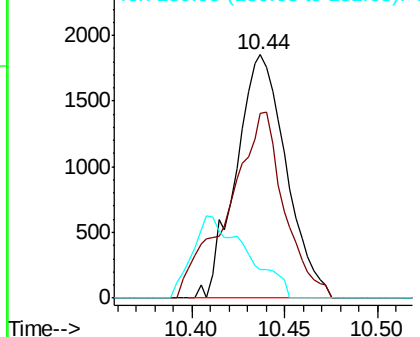
Tgt Ion:	83	Resp:	3482
Ion Ratio	Lower	Upper	
83	100		
85	75.8	44.6	82.8
131	11.9	7.4	11.2#

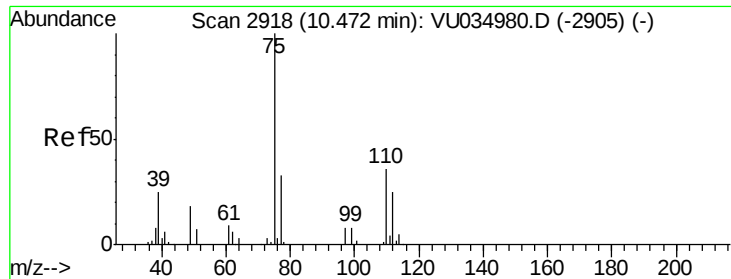


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





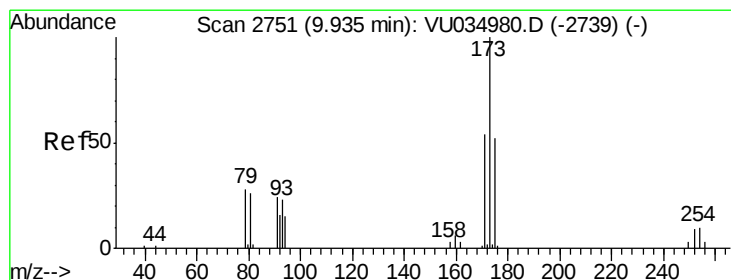
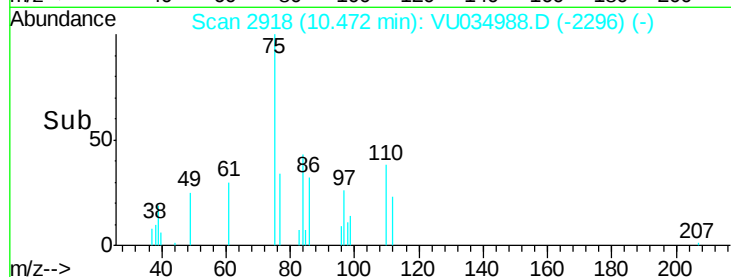
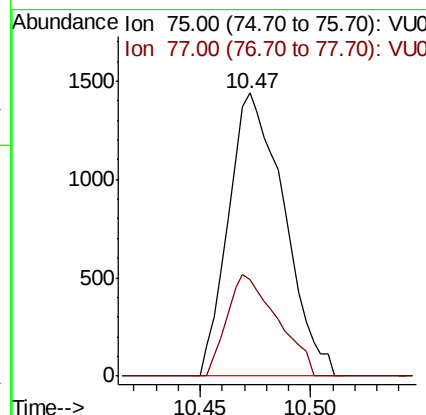
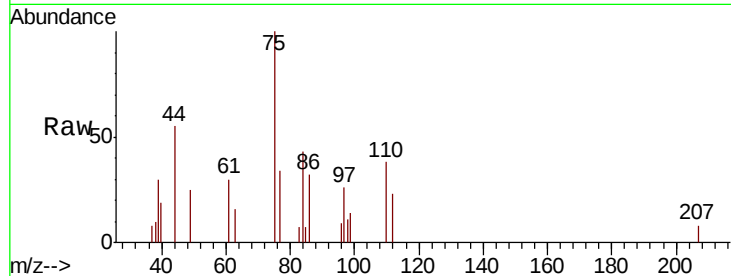
#59
 1,2,3-Trichloropropane
 Concen: 0.266 ug/L
 RT: 10.47 min Scan# 2918
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 2516
 Ion Ratio Lower Upper
 75 100
 77 32.5 26.5 39.7

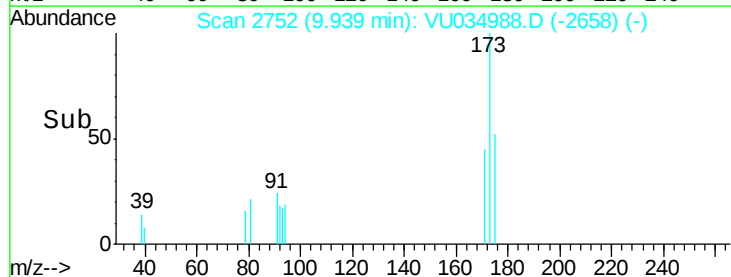
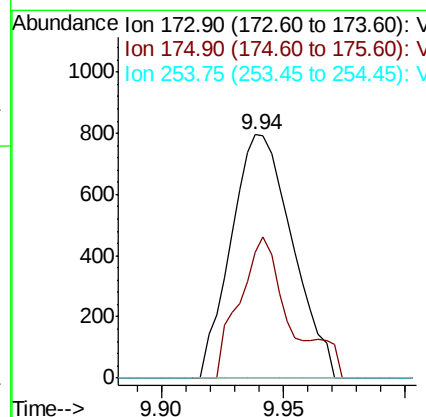
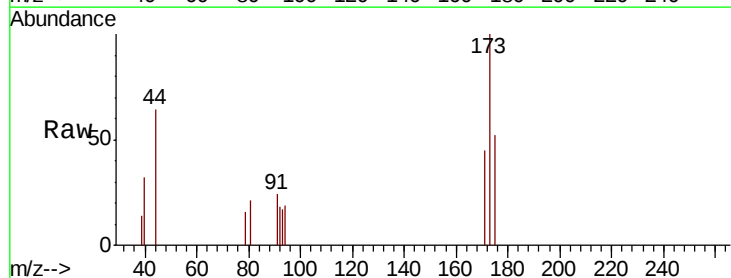
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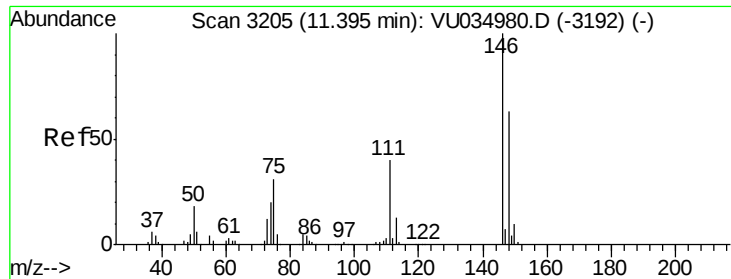
MMDadoda
 10/9/2019 3:48:06 PM



#61
 Bromoform
 Concen: 0.262 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Tgt Ion: 173 Resp: 1381
 Ion Ratio Lower Upper
 173 100
 175 47.9 37.2 55.8
 254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.273 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

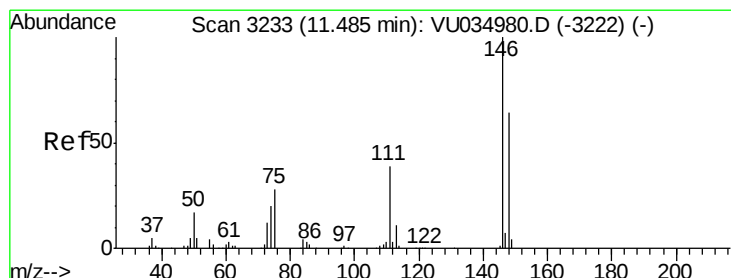
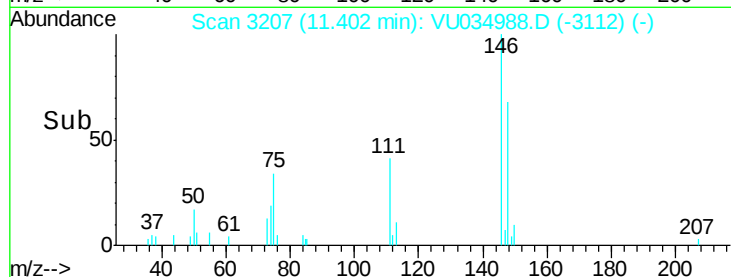
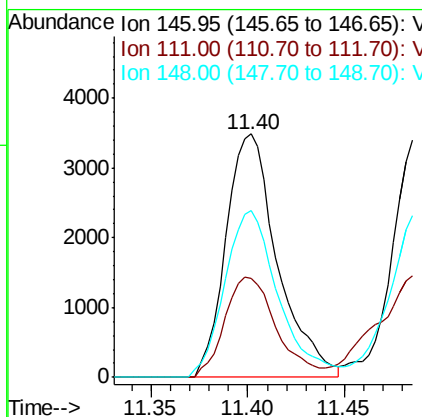
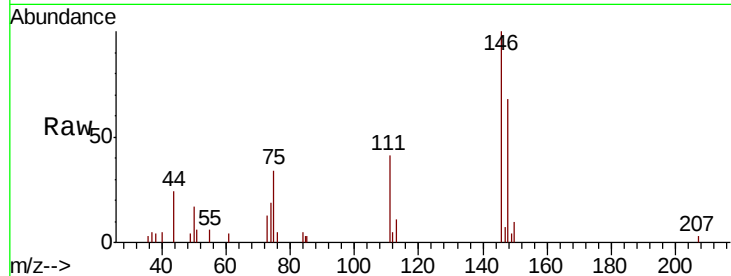
ClientSampleId :

MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	28.6	53.2
148	68.4	45.0	83.6

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#63

1,4-Dichlorobenzene

Concen: 0.287 ug/L

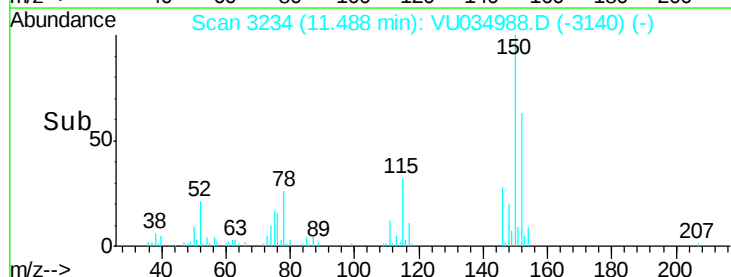
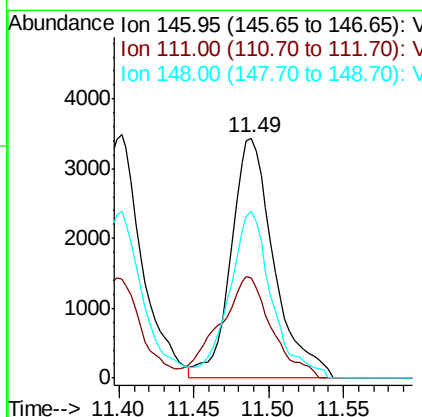
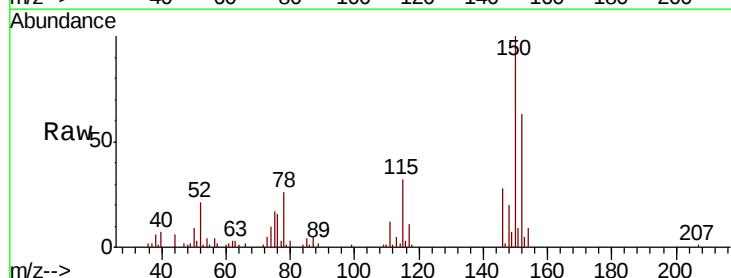
RT: 11.49 min Scan# 3234

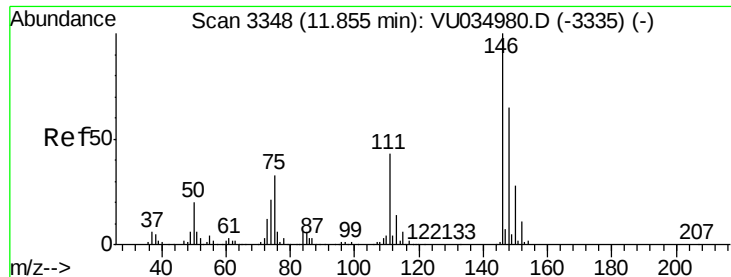
Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.5	27.9	51.7
148	69.4	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.301 ug/L

RT: 11.85 min Scan# 3348

Delta R.T. 0.00 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Instrument :

MSVOA_U

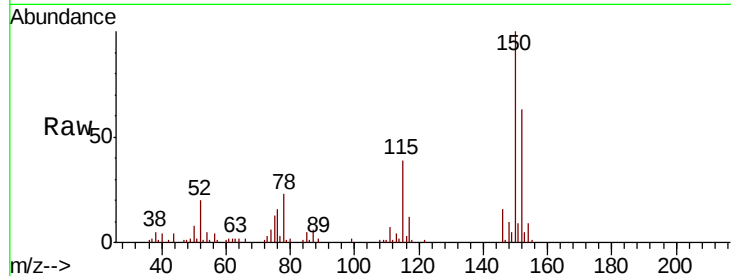
ClientSampleId :

MDL06

Tot Ion:	146	Resp:	6880
Ion Ratio	Lower	Upper	
146	100		
111	46.1	34.2	51.4
148	63.8	52.0	78.0

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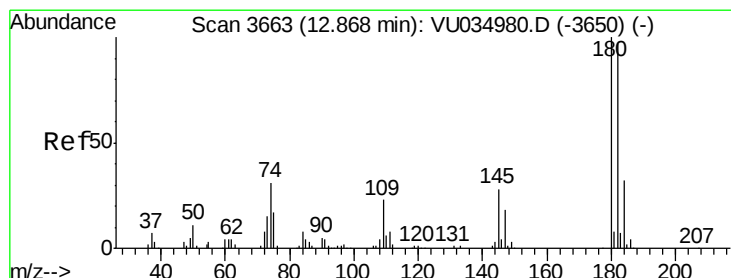
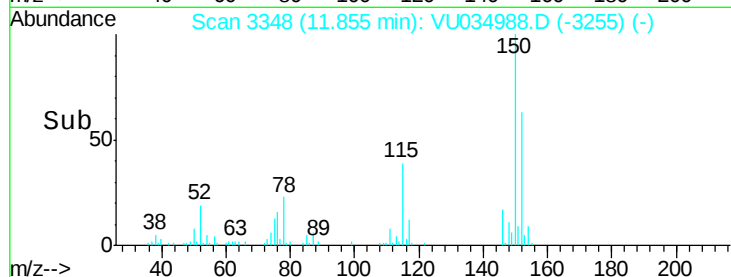
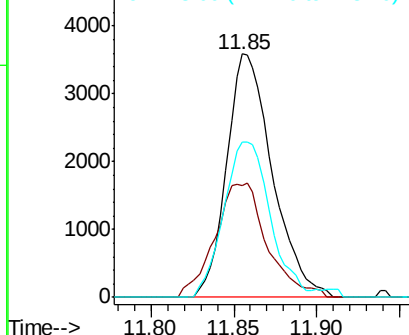


Abundance

Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.196 ug/L

RT: 12.88 min Scan# 3666

Delta R.T. 0.01 min

Lab File: VU034988.D

Acq: 08 Oct 2019 13:04

Tgt Ion:	180	Resp:	3153
Ion Ratio	Lower	Upper	
180	100		
182	103.9	76.0	114.0
184	30.6	24.2	36.2
145	27.9	24.6	37.0

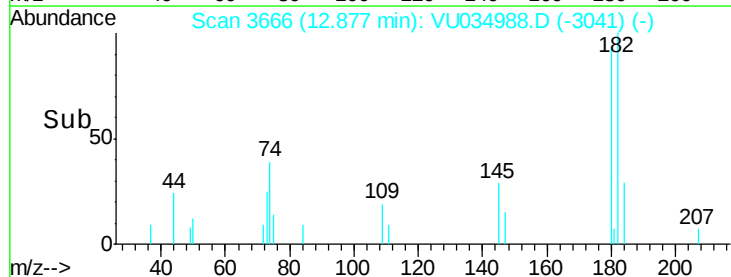
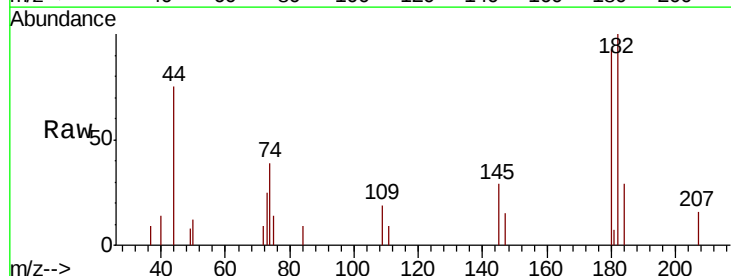
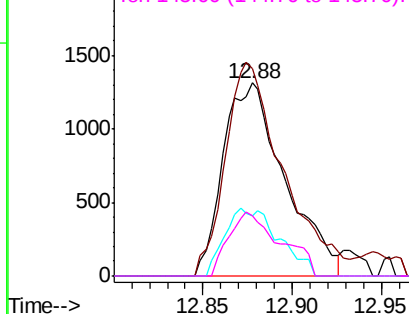
Abundance

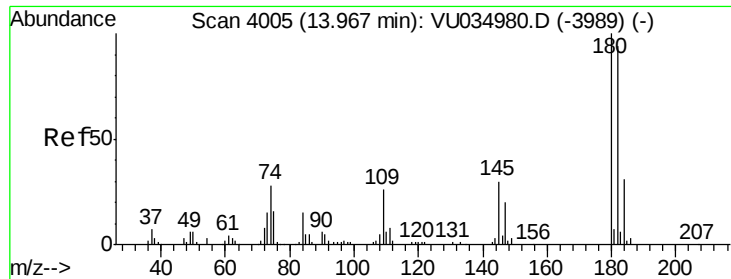
Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 0.159 ug/L m
 RT: 13.99 min Scan# 4012
 Delta R.T. 0.02 min
 Lab File: VU034988.D
 Acq: 08 Oct 2019 13:04

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
145	5.3	25.9	38.9#

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