

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100819\
 Data File : VU034985.D
 Acq On : 08 Oct 2019 11:51
 Operator : JC/SP
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:47:50 PM

Quant Time: Oct 09 07:47:45 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	178918	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	178187	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	77861	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	46378	4.39	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.80%
7) Chloroethane-d5	1.67	69	45371	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.26	63	73427	3.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.80%
20) 2-Butanone-d5	4.19	46	158871	51.01	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.02%
24) Chloroform-d	4.62	84	87900	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
26) 1,2-Dichloroethane-d4	5.29	65	57590	4.86	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.20%
32) Benzene-d6	5.32	84	196211	4.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.31	67	67626	4.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.80%
41) Toluene-d8	7.54	98	179491	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
43) trans-1,3-Dichloropropene-	7.84	79	20677	4.12	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.40%
46) 2-Hexanone-d5	8.30	63	112257	46.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.90%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57730	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	67142	5.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.20	85	4294	0.263	ug/L	93
3) Chloromethane	1.32	50	4837	0.270	ug/L	97
5) Vinyl chloride	1.40	62	4945	0.281	ug/L #	82
6) Bromomethane	1.62	94	2499	0.255	ug/L	90
8) Chloroethane	1.69	64	2893	0.274	ug/L	95
9) Trichlorofluoromethane	1.88	101	5829	0.274	ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	3855	0.315	ug/L #	84
12) 1,1-Dichloroethene	2.27	96	3397	0.296	ug/L #	1
13) Acetone	2.33	43	7789	3.053	ug/L	88
14) Carbon disulfide	2.47	76	9849	0.258	ug/L	97
15) Methyl Acetate	2.61	43	1922	0.283	ug/L #	74
16) Methylene chloride	2.68	84	6096	0.428	ug/L	90
17) Methyl tert-butyl Ether	2.99	73	8910	0.284	ug/L #	93
18) trans-1,2-Dichloroethene	2.97	96	3462	0.281	ug/L	91
19) 1,1-Dichloroethane	3.42	63	6867	0.281	ug/L	92
21) 2-Butanone	4.28	43	10331	2.844	ug/L	93
22) cis-1,2-Dichloroethene	4.20	96	3568	0.260	ug/L	94

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

23) Bromochloromethane	4.53	128	1311	0.228	ug/L	89
25) Chloroform	4.65	83	25138	0.915	ug/L	99
27) 1,2-Dichloroethane	5.39	62	4183	0.261	ug/L	99
29) 1,1,1-Trichloroethane	4.89	97	5360	0.268	ug/L	95
30) Cyclohexane	4.97	56	5354	0.243	ug/L #	92
31) Carbon tetrachloride	5.11	117	4308	0.248	ug/L	96
33) Benzene	5.37	78	14103m	0.263	ug/L	
34) Trichloroethene	6.16	95	3749	0.271	ug/L	86
35) Methylcyclohexane	6.40	83	5608	0.250	ug/L	95
37) 1,2-Dichloropropane	6.42	63	4049	0.280	ug/L #	91
38) Bromodichloromethane	6.74	83	4361	0.257	ug/L	95
39) cis-1,3-Dichloropropene	7.26	75	4474	0.228	ug/L	95
40) 4-Methyl-2-pentanone	7.45	43	20123	2.208	ug/L #	84
42) Toluene	7.62	91	14494	0.259	ug/L	94
44) trans-1,3-Dichloropropene	7.87	75	3479	0.229	ug/L	88
45) 1,1,2-Trichloroethane	8.06	97	2460	0.256	ug/L	81
47) Tetrachloroethene	8.21	164	2914	0.260	ug/L	90
48) 2-Hexanone	8.35	43	16723	2.677	ug/L	93
49) Dibromochloromethane	8.46	129	2418	0.218	ug/L	93
50) 1,2-Dibromoethane	8.57	107	2195	0.239	ug/L #	90
51) Chlorobenzene	9.10	112	8947	0.246	ug/L	94
52) Ethylbenzene	9.23	91	15140	0.245	ug/L	95
53) m,p-Xylene	9.36	106	5179	0.227	ug/L	85
54) o-Xylene	9.76	106	4944	0.221	ug/L	95
55) Styrene	9.78	104	7652m	0.211	ug/L	
56) Isopropylbenzene	10.14	105	12557	0.211	ug/L	95
58) 1,1,2,2-Tetrachloroethane	10.43	83	3204	0.245	ug/L #	93
59) 1,2,3-Trichloropropane	10.48	75	2583	0.276	ug/L	94
61) Bromoform	9.94	173	1208	0.226	ug/L #	88
62) 1,3-Dichlorobenzene	11.40	146	6462	0.269	ug/L	98
63) 1,4-Dichlorobenzene	11.49	146	6436	0.266	ug/L	90
65) 1,2-Dichlorobenzene	11.86	146	6688	0.289	ug/L	97
67) 1,3,5-Trichlorobenzene	12.87	180	3252	0.200	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.00	180	1893m	0.160	ug/L	

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

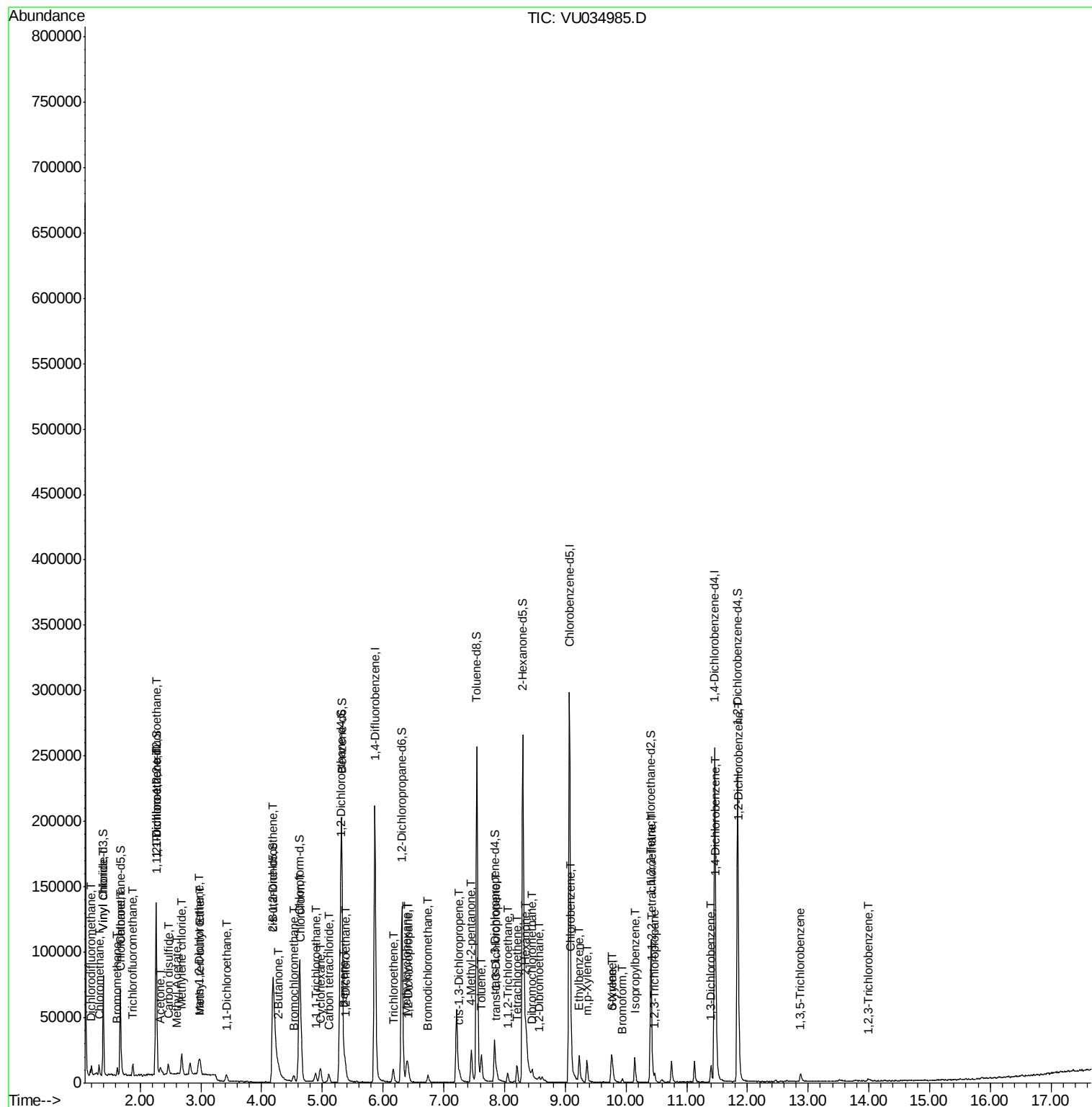
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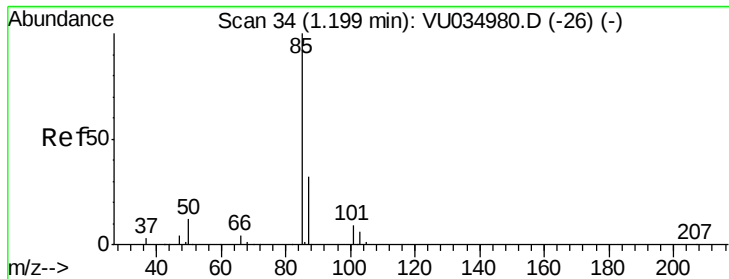
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#2

Dichlorodifluoromethane

Concen: 0.263 ug/L

RT: 1.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 4294

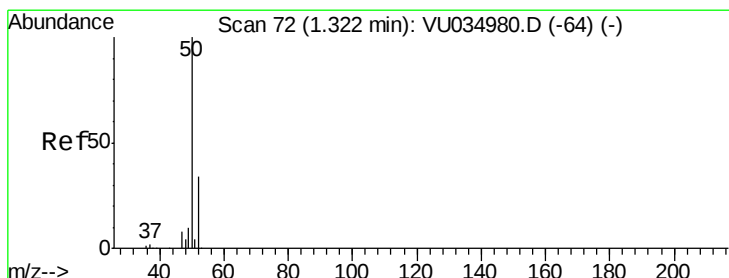
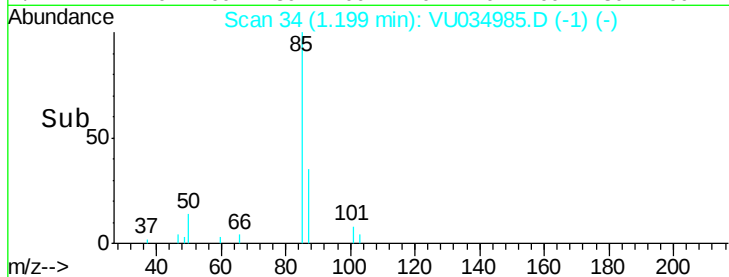
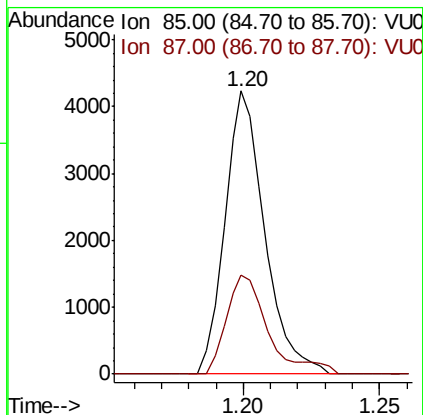
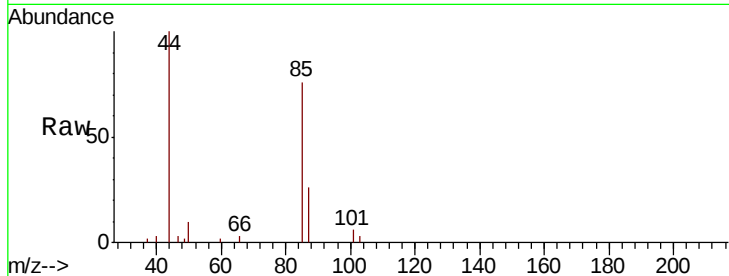
Ion Ratio Lower Upper

85 100

87 36.7 26.3 39.5

Manual Integrations
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#3

Chloromethane

Concen: 0.270 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VU034985.D

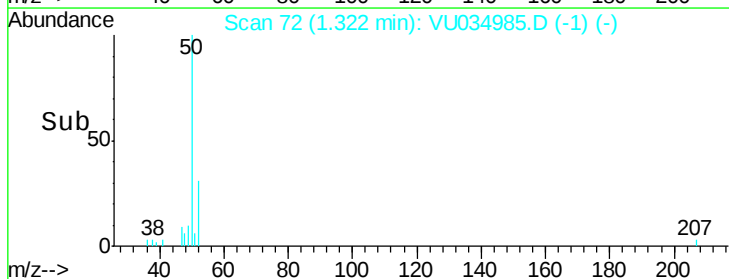
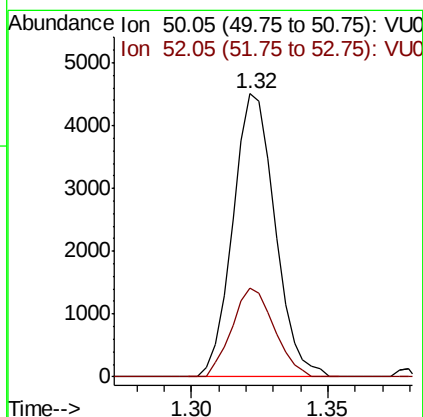
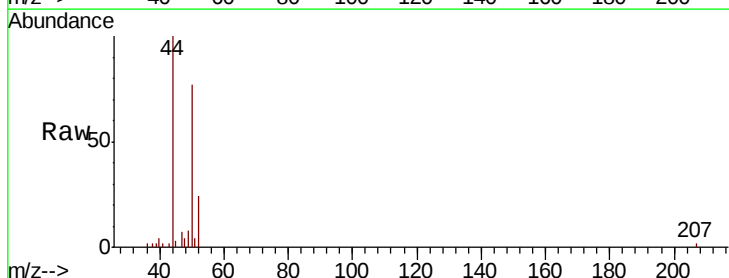
Acq: 08 Oct 2019 11:51

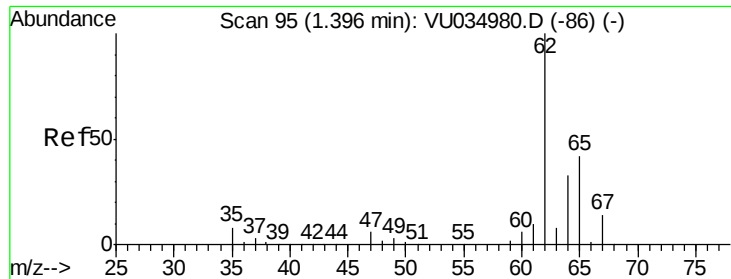
Tgt Ion: 50 Resp: 4837

Ion Ratio Lower Upper

50 100

52 31.3 23.3 43.3





#5

Vinyl chloride

Concen: 0.281 ug/L

RT: 1.40 min Scan# 95

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 62 Resp: 4945

Ion Ratio Lower Upper

62 100

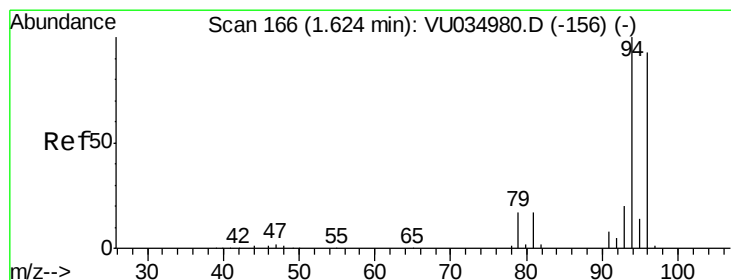
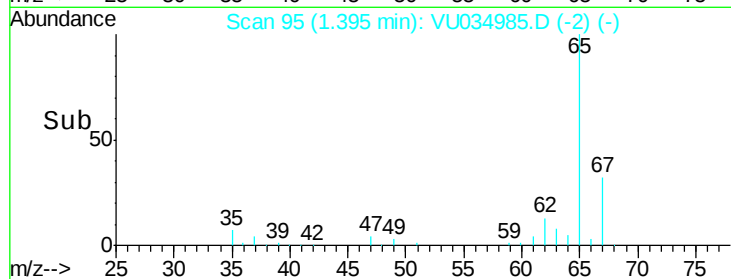
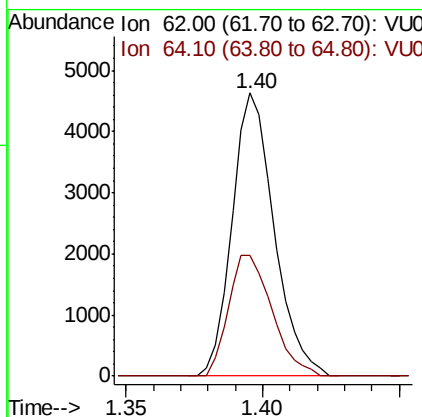
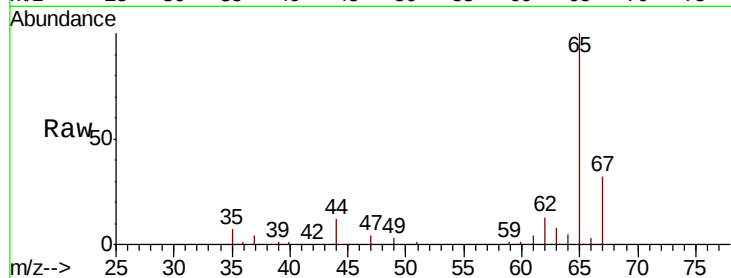
64 42.5 22.8 42.4#

Manual Integrations

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#6

Bromomethane

Concen: 0.255 ug/L

RT: 1.62 min Scan# 166

Delta R.T. -0.00 min

Lab File: VU034985.D

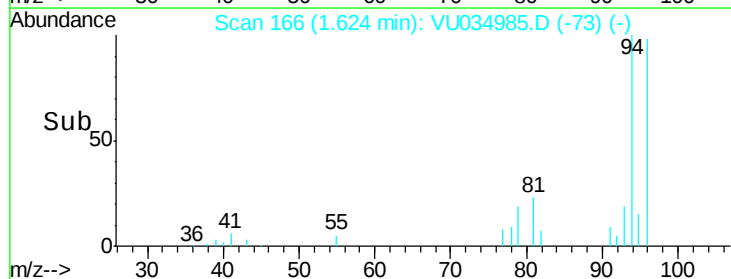
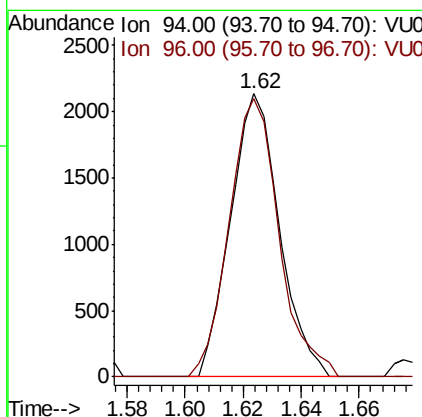
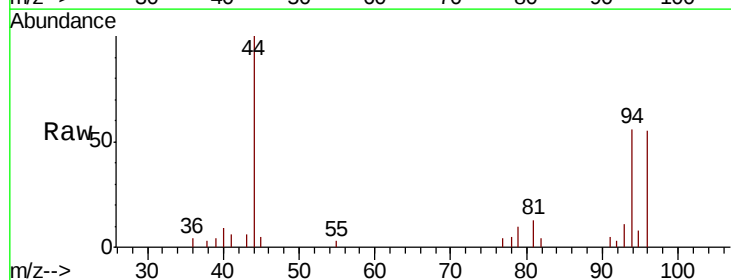
Acq: 08 Oct 2019 11:51

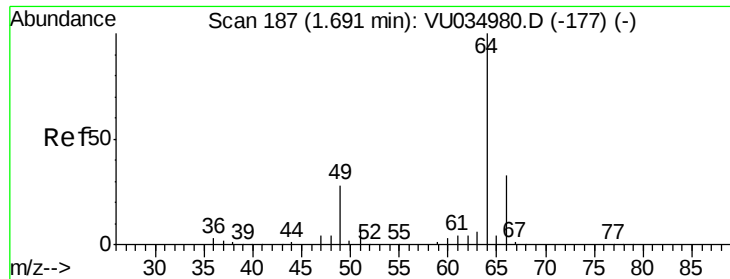
Tgt Ion: 94 Resp: 2499

Ion Ratio Lower Upper

94 100

96 98.1 62.4 116.0





#8

Chloroethane

Concen: 0.274 ug/L

RT: 1.69 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 64 Resp: 2893

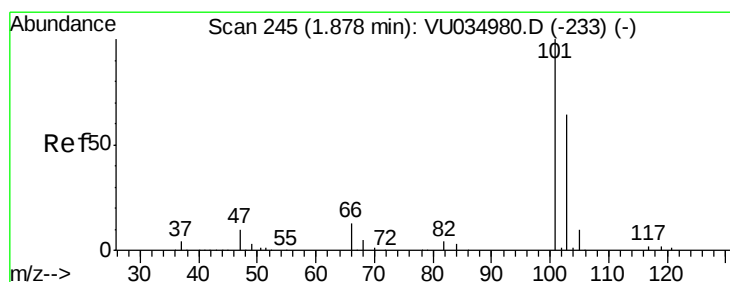
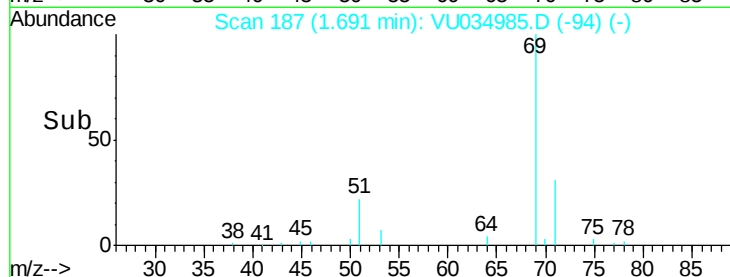
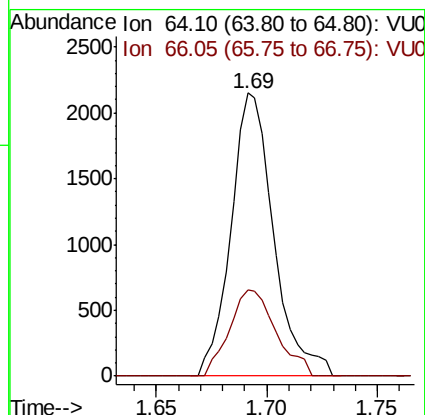
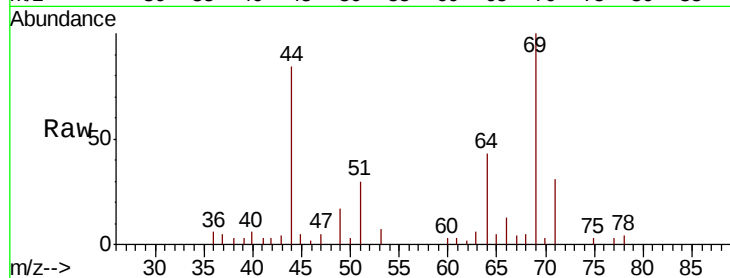
Ion Ratio Lower Upper

64 100

66 30.3 23.2 43.2

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.274 ug/L

RT: 1.88 min Scan# 245

Delta R.T. -0.00 min

Lab File: VU034985.D

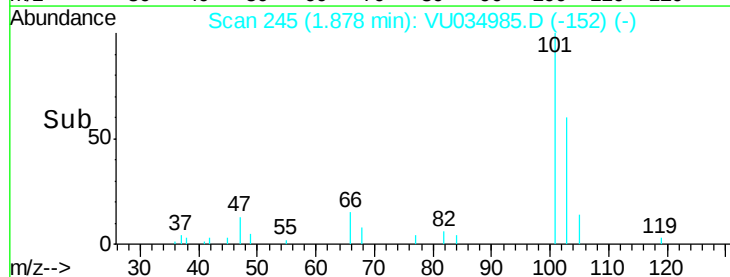
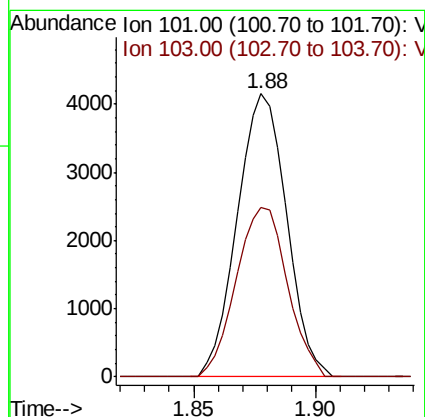
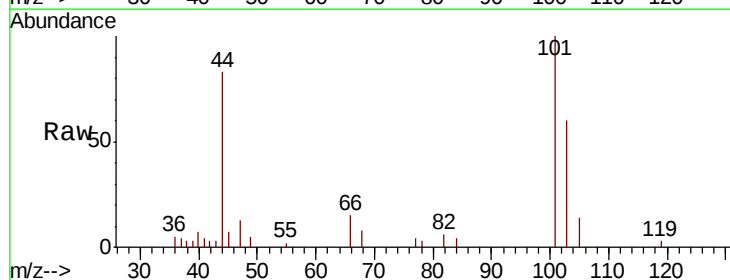
Acq: 08 Oct 2019 11:51

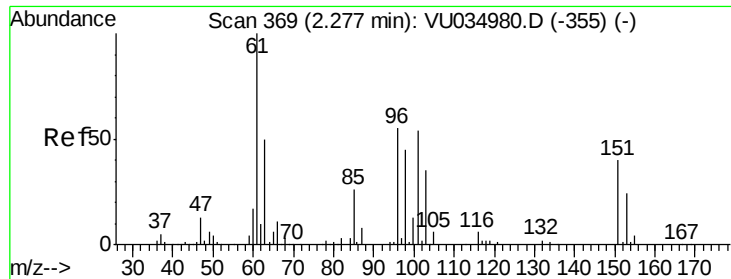
Tgt Ion: 101 Resp: 5829

Ion Ratio Lower Upper

101 100

103 62.0 52.2 78.4





#10

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

Concen: 0.315 ug/L

RT: 2.28 min Scan# 369

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

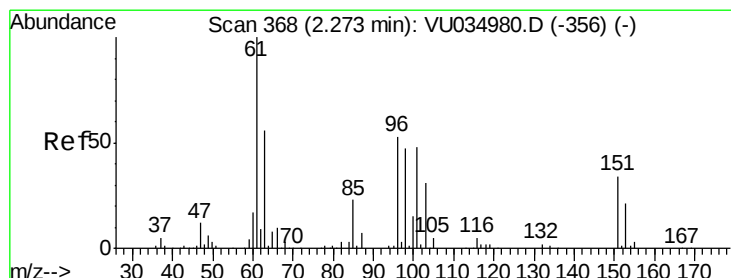
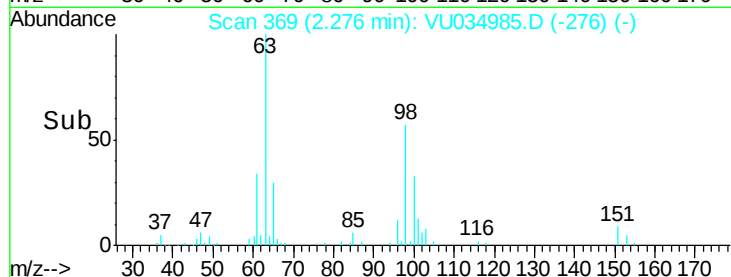
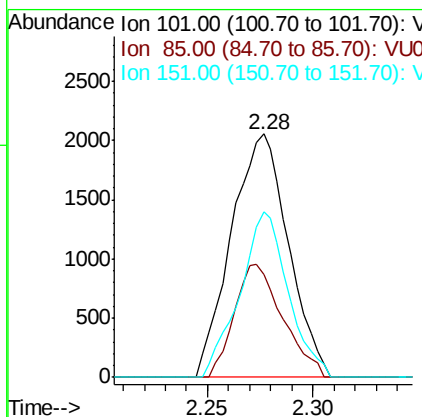
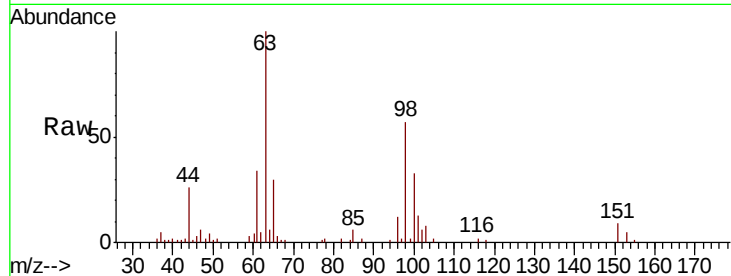
ClientSampleId :

MDL03

Tot Ion:	101	Resp:	3855
Ion Ratio	Lower	Upper	
101	100		
85	39.5	37.4	56.0
151	57.6	58.6	87.8#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.296 ug/L

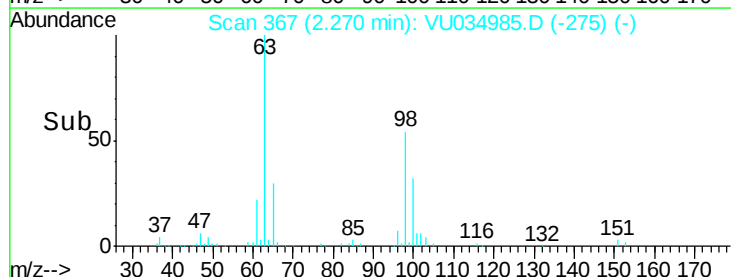
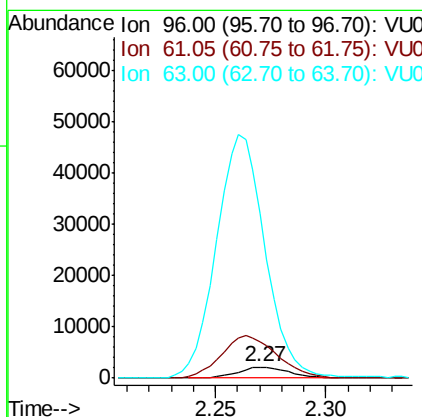
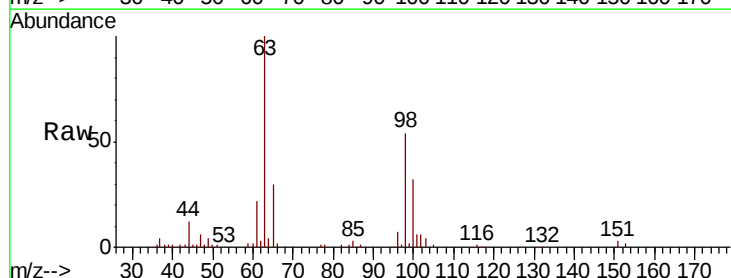
RT: 2.27 min Scan# 367

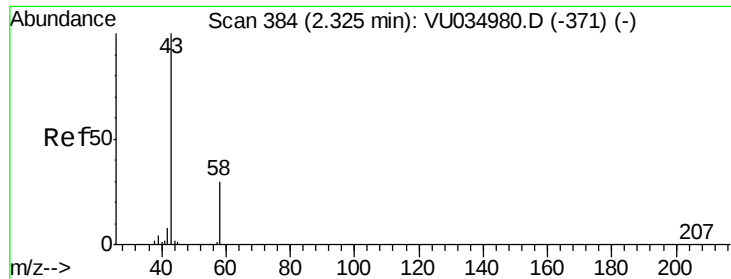
Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:	96	Resp:	3397
Ion Ratio	Lower	Upper	
96	100		
61	327.3	129.3	240.1#
63	1474.4	108.9	202.3#





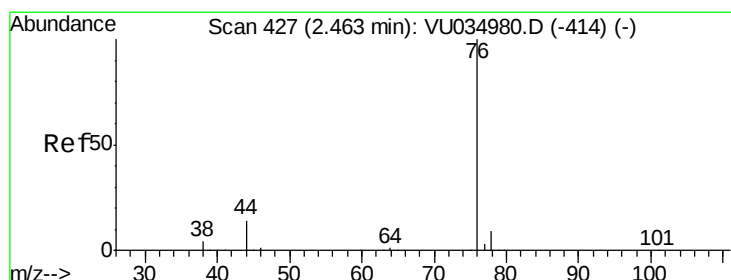
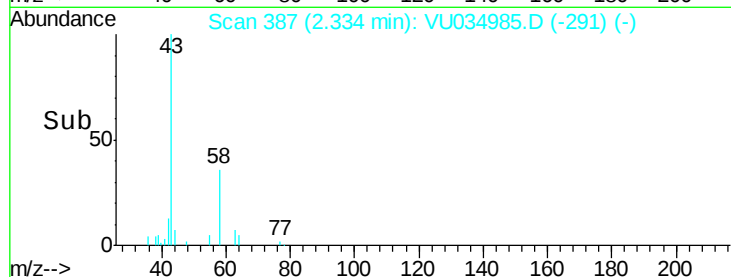
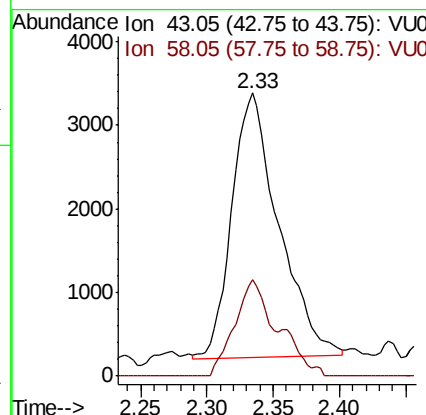
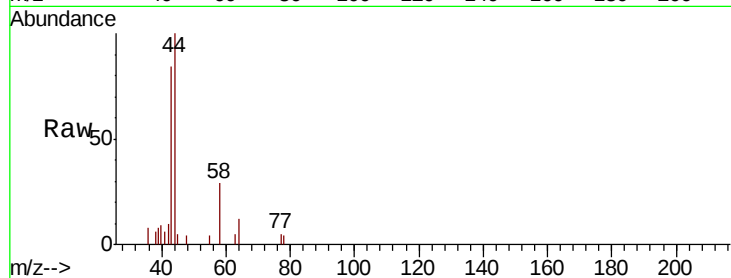
#13
Acetone
Concen: 3.053 ug/L
RT: 2.33 min Scan# 387
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 7789
Ion Ratio Lower Upper
43 100
58 26.3 0.0 66.6

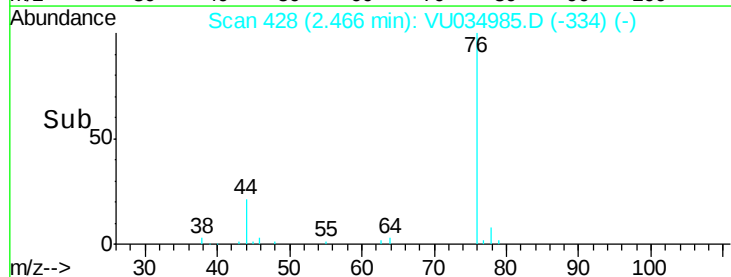
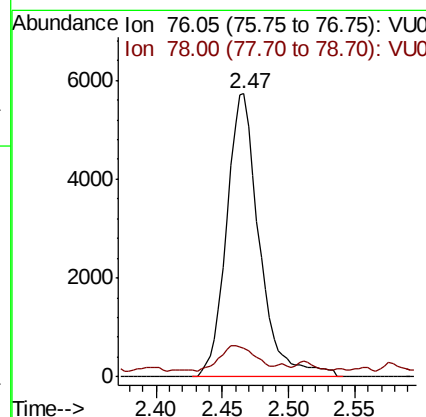
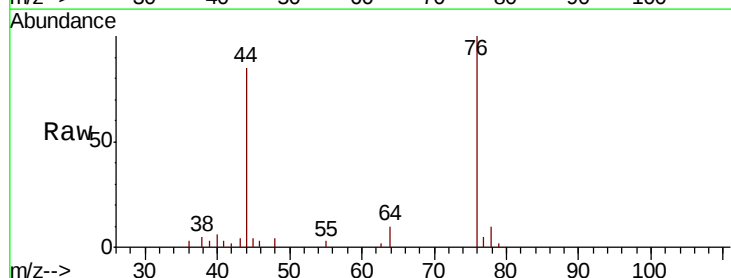
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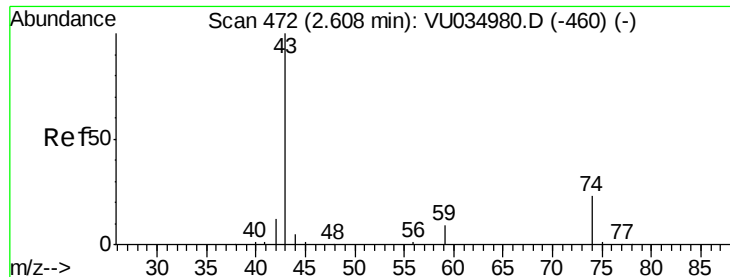
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#14
Carbon disulfide
Concen: 0.258 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 76 Resp: 9849
Ion Ratio Lower Upper
76 100
78 10.1 7.1 10.7





#15

Methyl Acetate

Concen: 0.283 ug/L

RT: 2.61 min Scan# 473

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 43 Resp: 1922

Ion Ratio Lower Upper

43 100

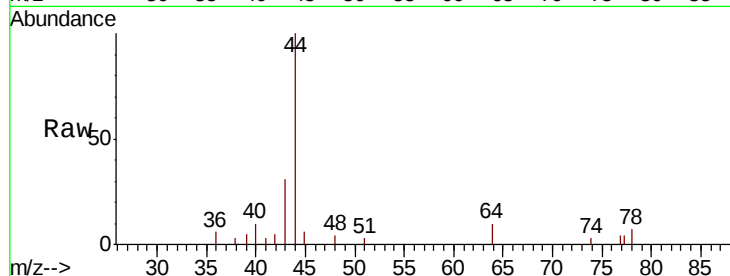
74 9.9 17.8 26.8#

Manual Integrations

APPROVED

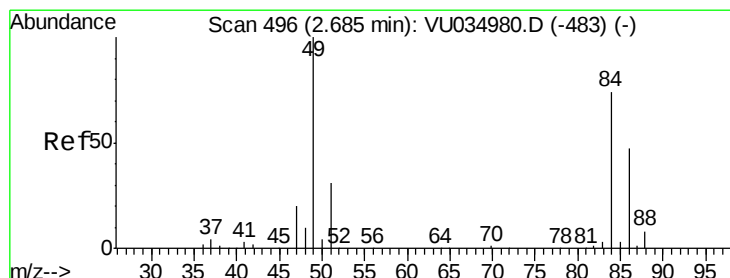
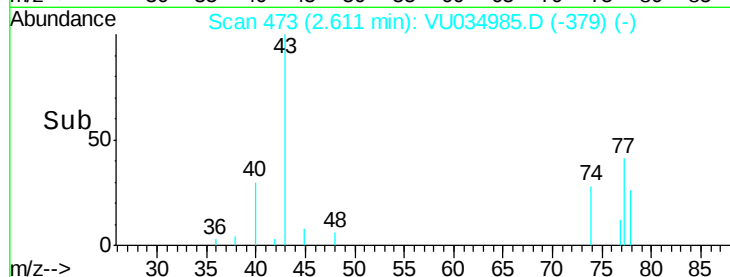
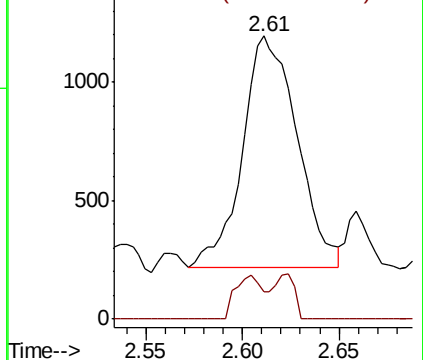
MMDadoda

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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: VU034985.D

Acq: 08 Oct 2019 11:51

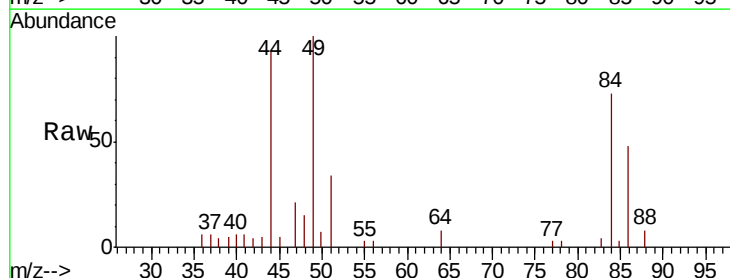
Tgt Ion: 84 Resp: 6096

Ion Ratio Lower Upper

84 100

86 65.6 42.5 78.9

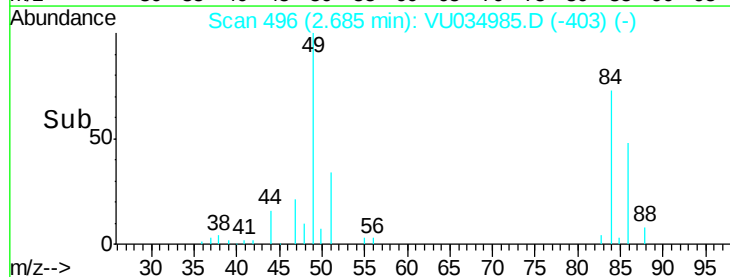
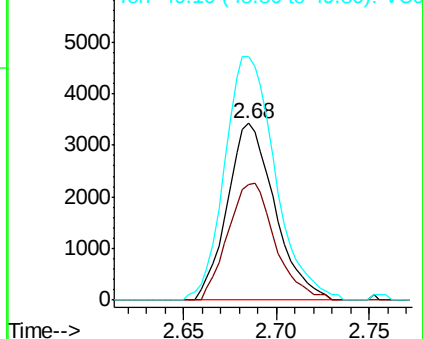
49 137.6 86.9 161.3

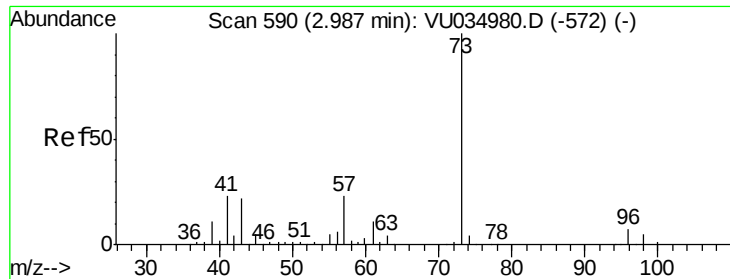


Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0





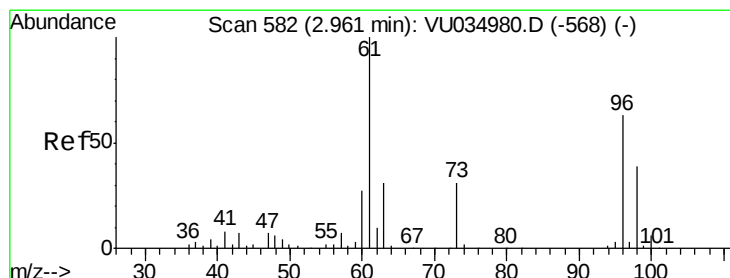
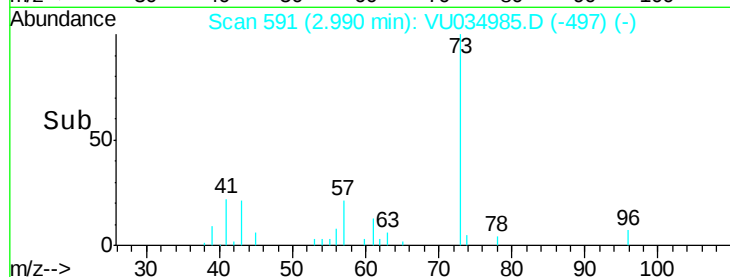
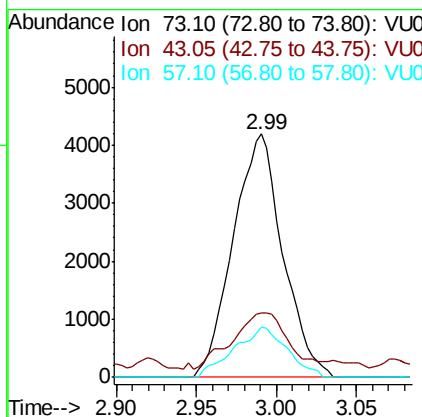
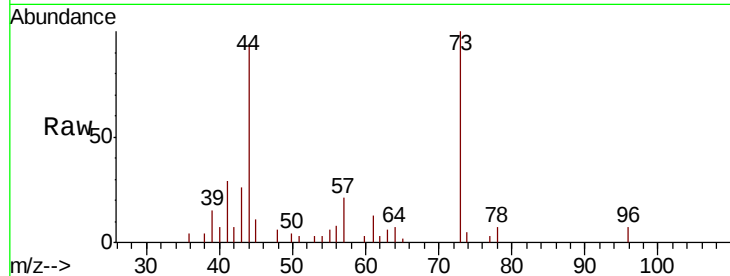
#17
Methvl tert-butvl Ether
Concen: 0.284 ug/L
RT: 2.99 min Scan# 591
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
73	100		
43	25.9	16.3	24.5#
57	22.1	18.6	28.0

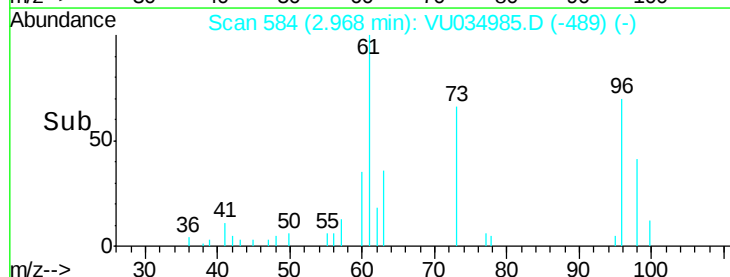
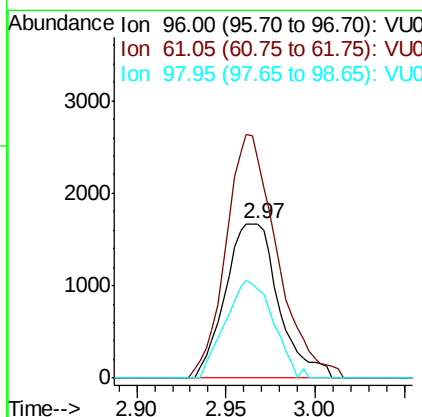
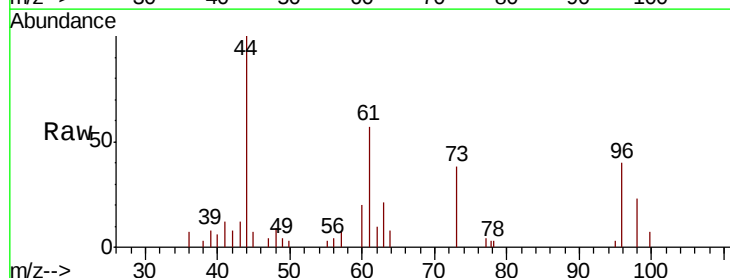
Manual Integrations
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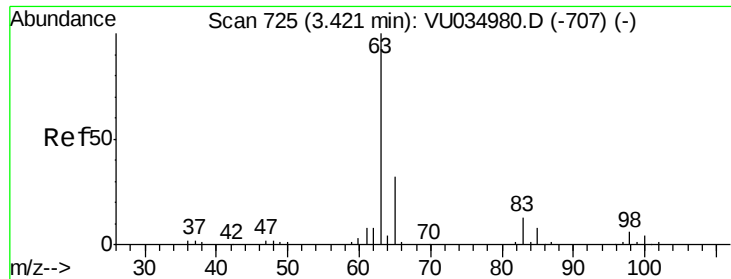
MMDadoda
10/9/2019 3:47:50 PM



#18
trans-1,2-Dichloroethene
Concen: 0.281 ug/L
RT: 2.97 min Scan# 584
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	107.1	198.9
98	57.8	45.4	84.4





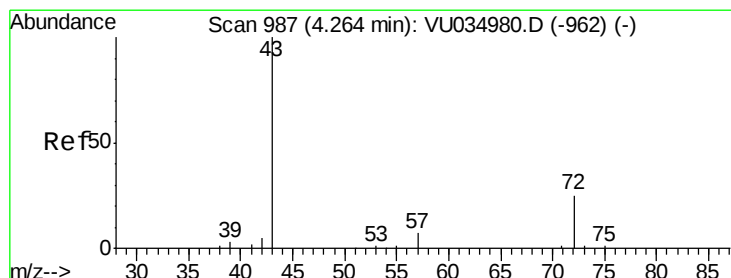
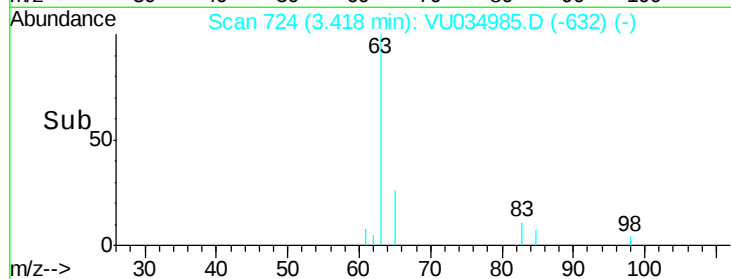
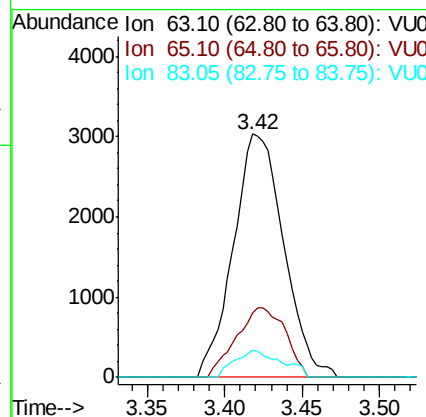
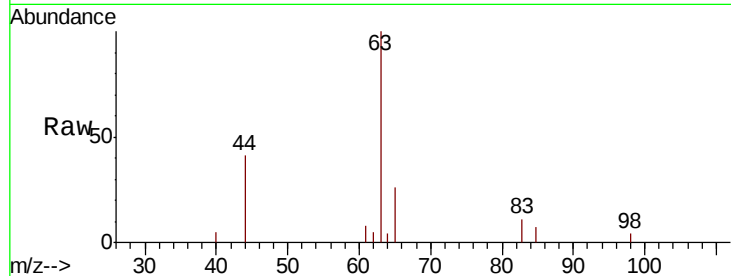
#19
 1,1-Dichloroethane
 Concen: 0.281 ug/L
 RT: 3.42 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion:	63	Resp:	6867
Ion	Ratio	Lower	Upper
63	100		
65	26.2	21.7	40.3
83	11.0	9.0	16.8

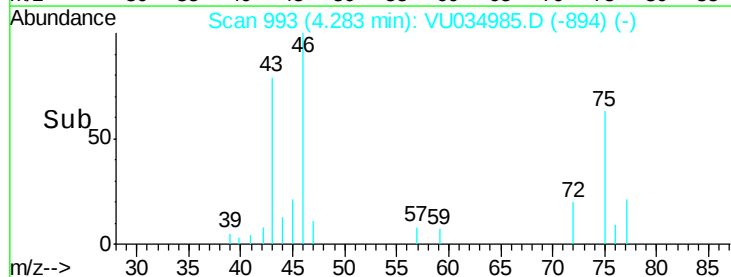
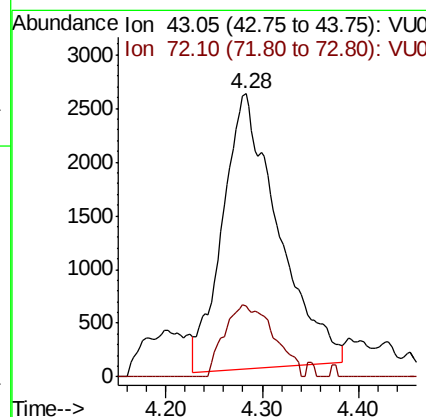
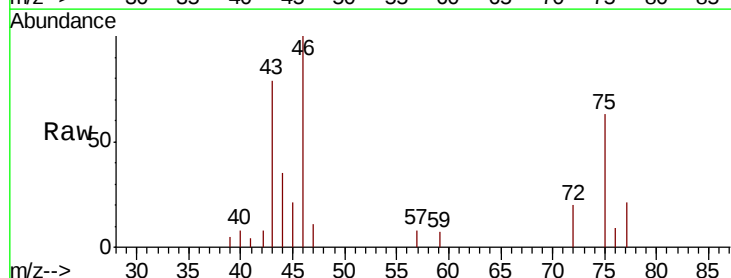
Manual Integrations
 APPROVED

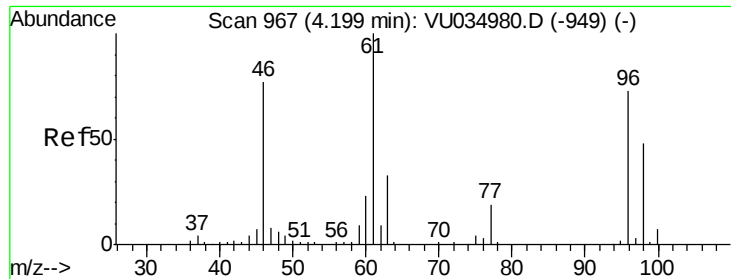
MMDadoda
 10/9/2019 3:47:50 PM



#21
 2-Butanone
 Concen: 2.844 ug/L
 RT: 4.28 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion:	43	Resp:	10331
Ion	Ratio	Lower	Upper
43	100		
72	23.1	13.5	40.4





#22

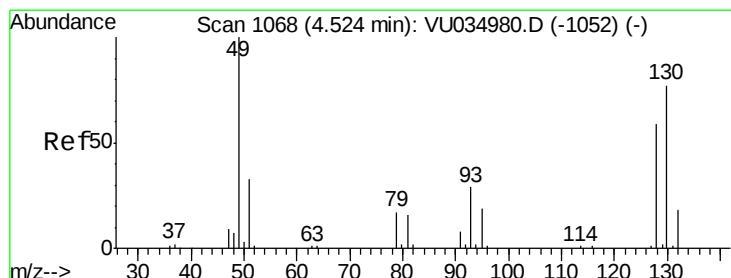
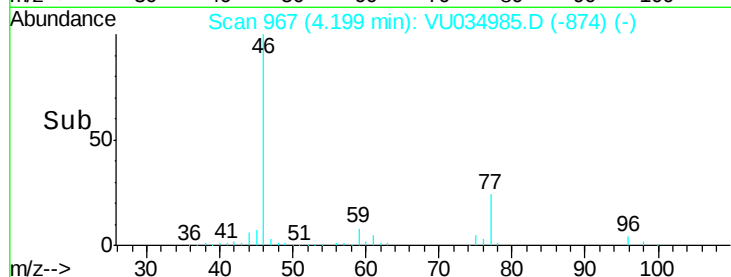
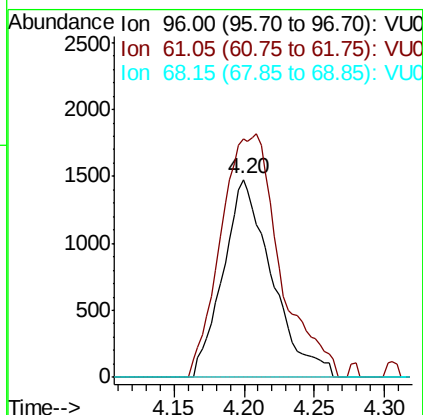
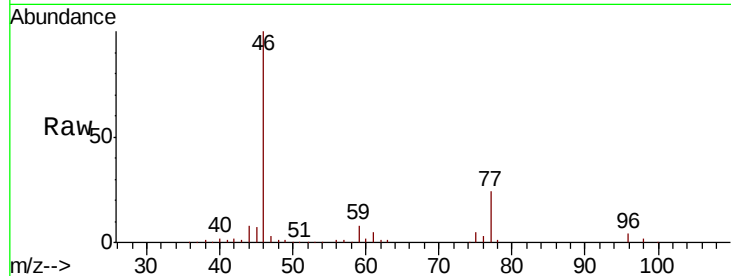
cis-1,2-Dichloroethene
Concen: 0.260 ug/L
RT: 4.20 min Scan# 967
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.9	89.2	165.6
68	0.0	0.0	0.0

Manual Integrations
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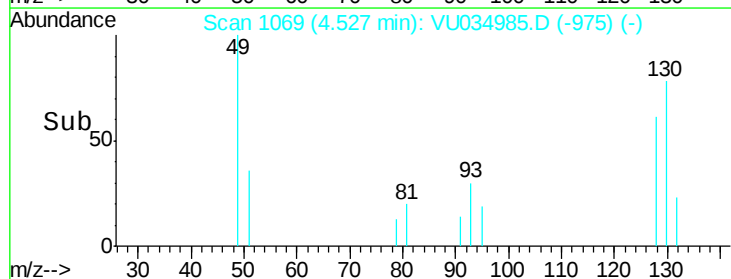
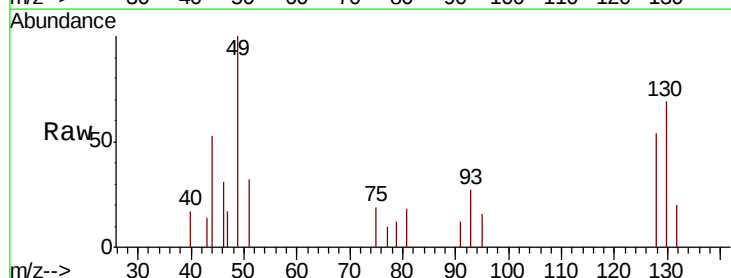
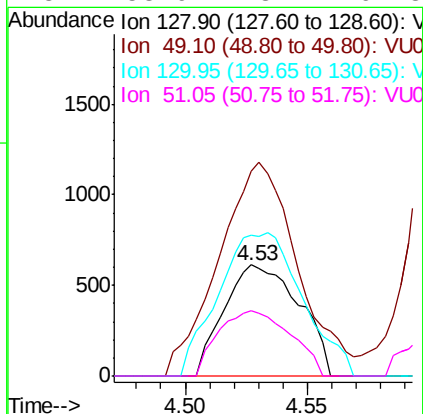
MMDadoda
10/9/2019 3:47:50 PM

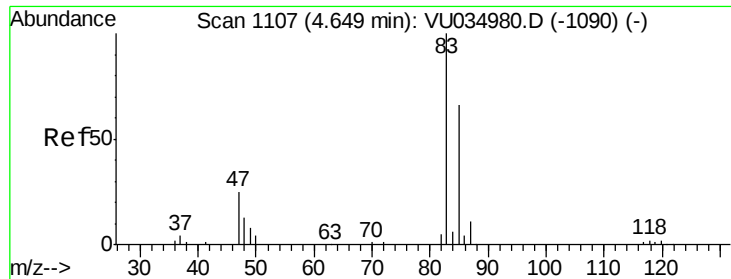


#23

Bromochloromethane
Concen: 0.228 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
128	100		
49	184.3	110.5	205.3
130	127.1	88.6	164.6
51	58.9	43.2	64.8





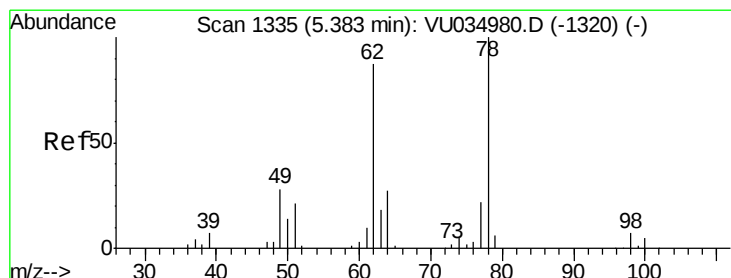
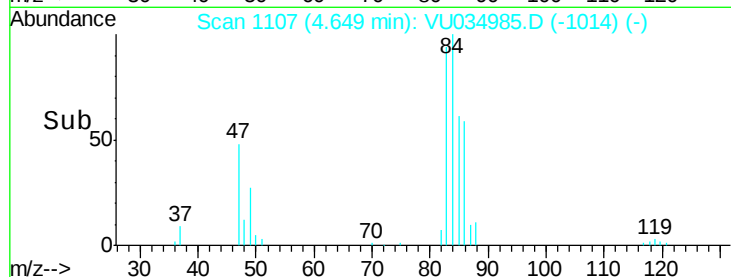
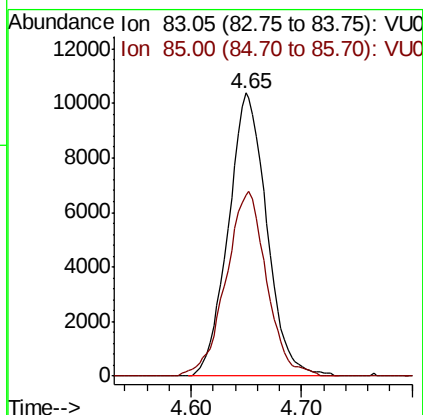
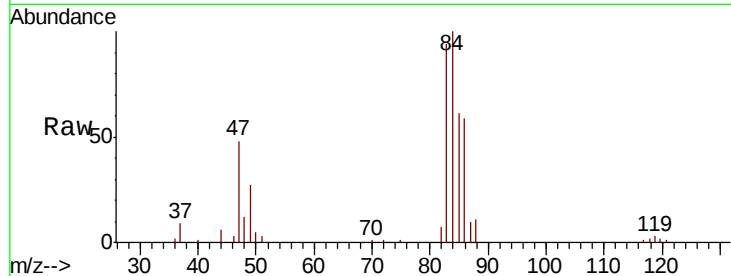
#25
Chloroform
Concen: 0.915 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 25138
Ion Ratio Lower Upper
83 100
85 64.1 45.4 84.4

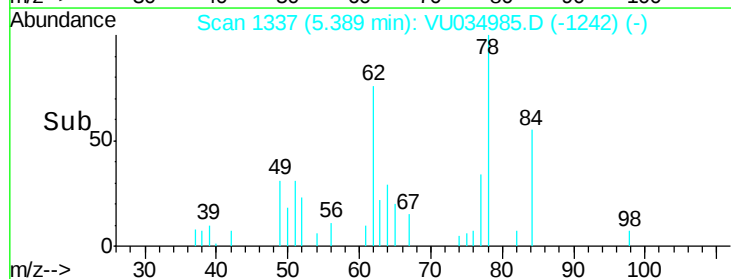
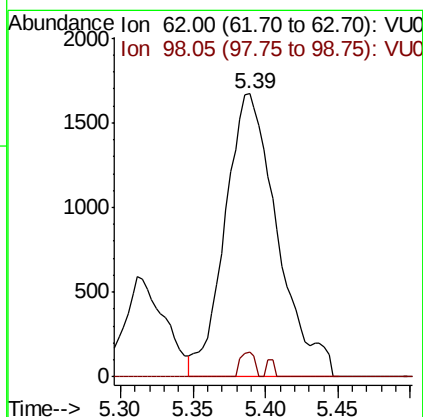
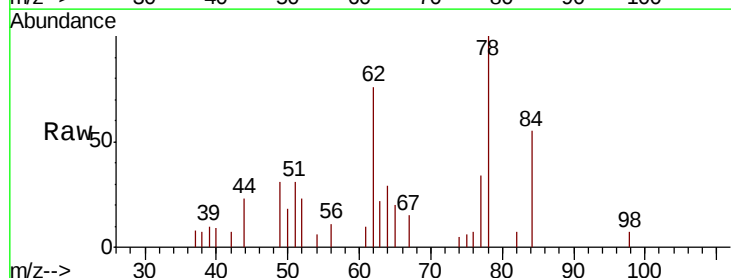
Manual Integrations
APPROVED

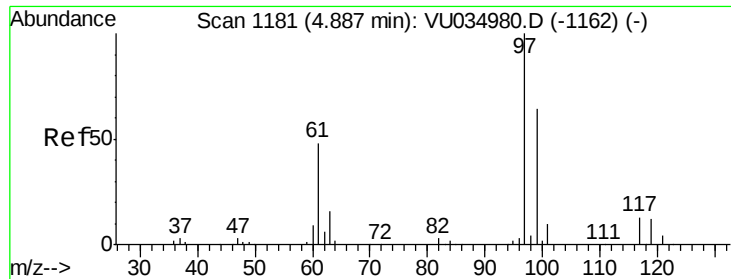
MMDadoda
10/9/2019 3:47:50 PM



#27
1,2-Dichloroethane
Concen: 0.261 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 62 Resp: 4183
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0





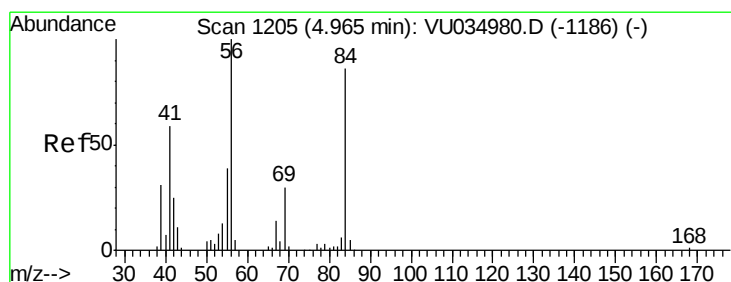
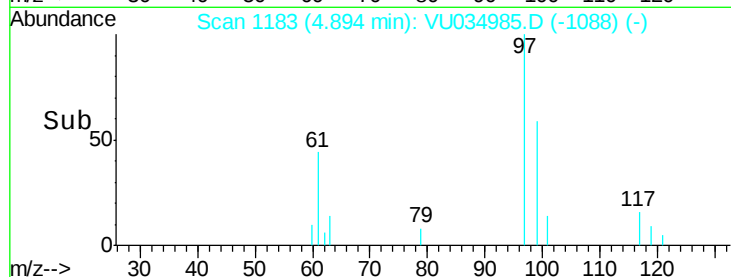
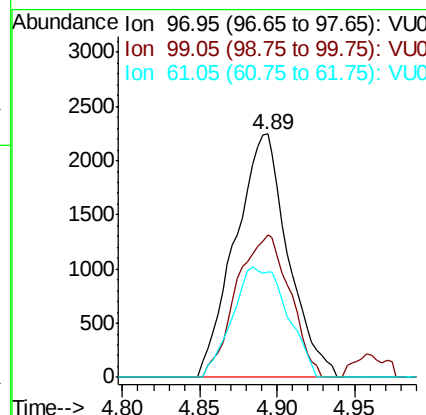
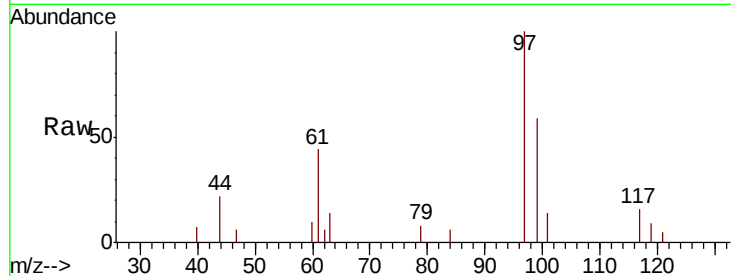
#29
 1,1,1-Trichloroethane
 Concen: 0.268 ug/L
 RT: 4.89 min Scan# 1183
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.0	51.6	77.4
61	46.7	36.2	54.4

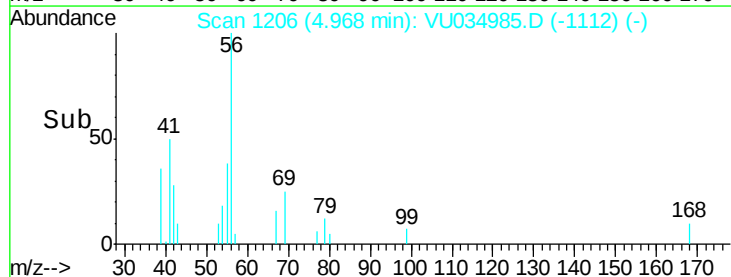
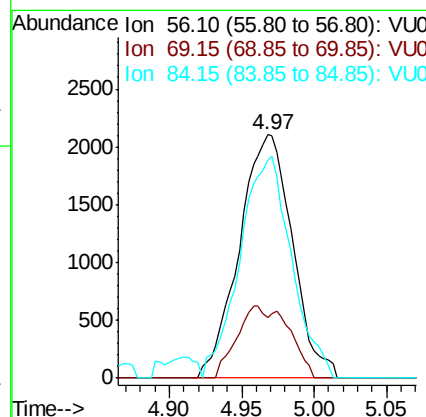
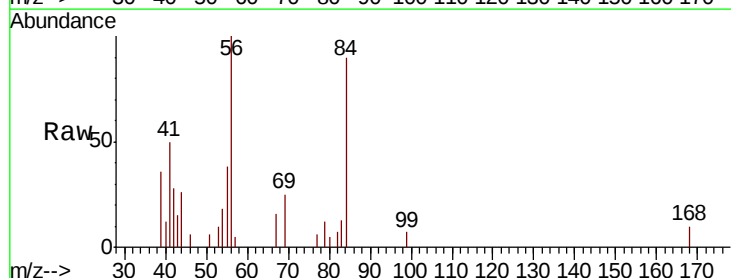
Manual Integrations
 APPROVED

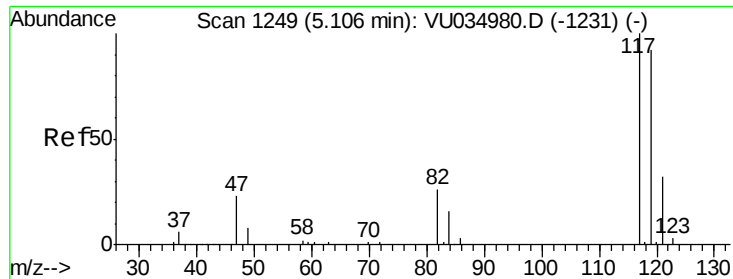
MMDadoda
 10/9/2019 3:47:50 PM



#30
 Cyclohexane
 Concen: 0.243 ug/L
 RT: 4.97 min Scan# 1206
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
56	100		
69	16.8	23.9	35.9#
84	88.8	69.5	104.3





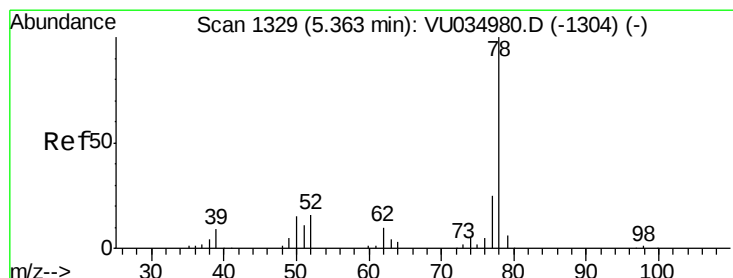
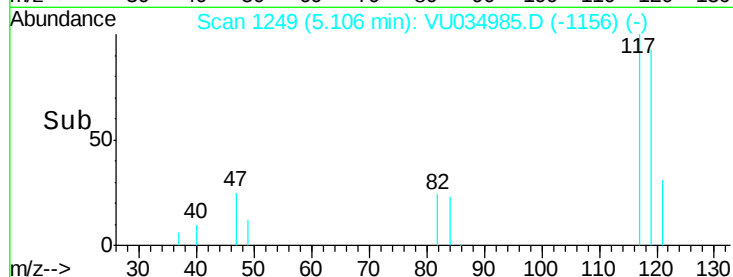
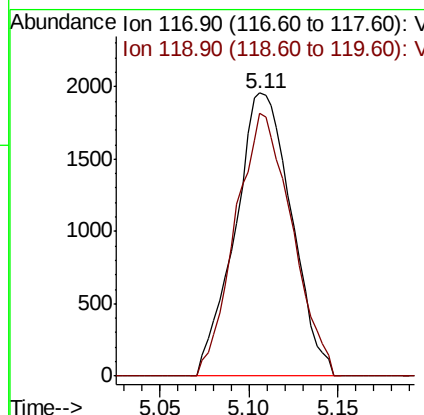
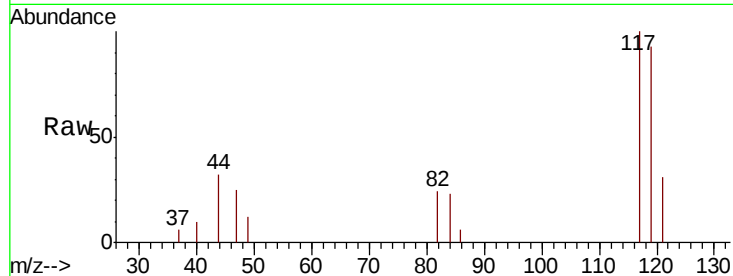
#31
Carbon tetrachloride
Concen: 0.248 ug/L
RT: 5.11 min Scan# 1249
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion:117 Resp: 4308
Ion Ratio Lower Upper
117 100
119 93.1 77.5 116.3

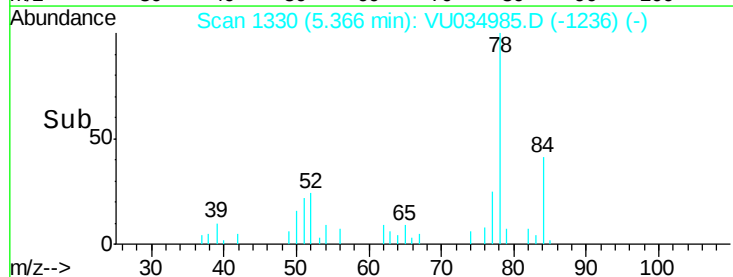
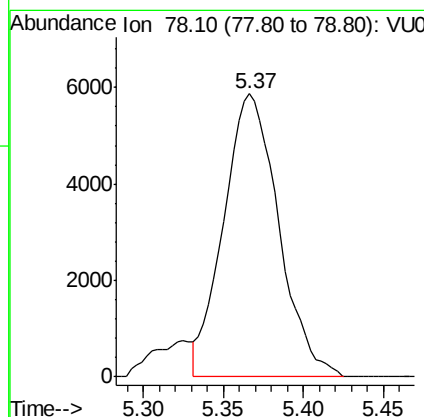
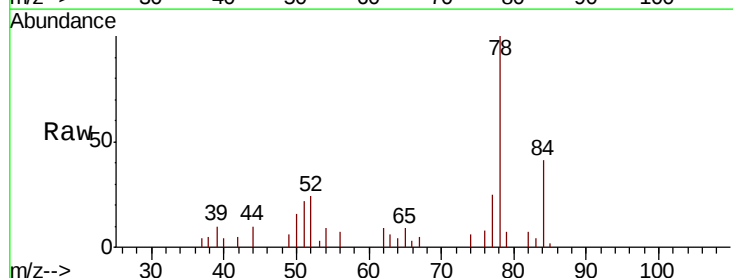
Manual Integrations
APPROVED

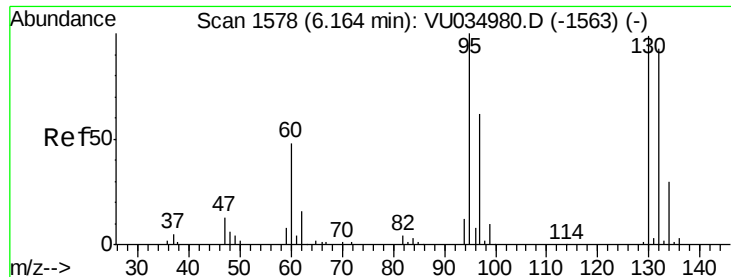
MMDadoda
10/9/2019 3:47:50 PM



#33
Benzene
Concen: 0.263 ug/L m
RT: 5.37 min Scan# 1330
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion: 78 Resp: 14103





#34

Trichloroethene

Concen: 0.271 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 95 Resp: 3749

Ion Ratio Lower Upper

95 100

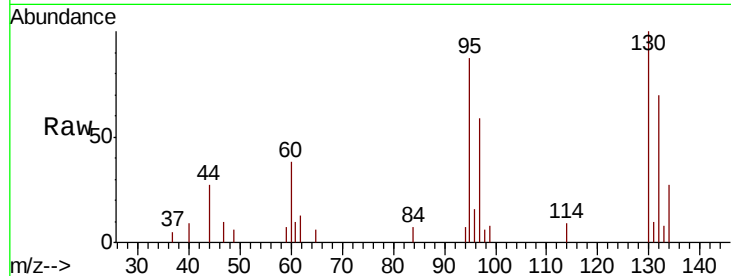
97 68.1 44.5 82.7

132 80.6 66.6 123.8

130 115.3 68.9 127.9

Manual Integrations
APPROVED

MMDadoda
10/9/2019 3:47:50 PM

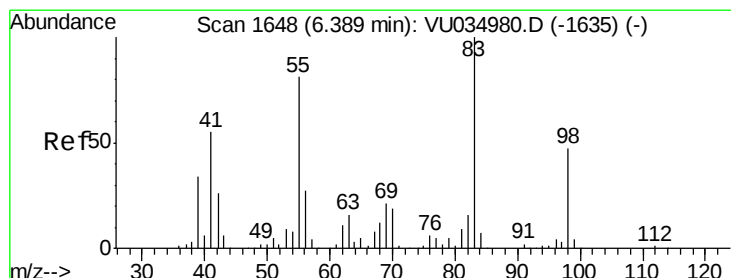
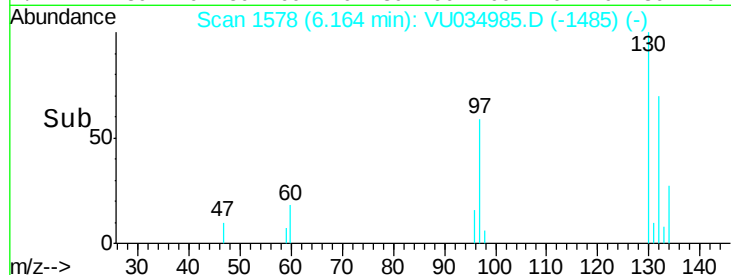
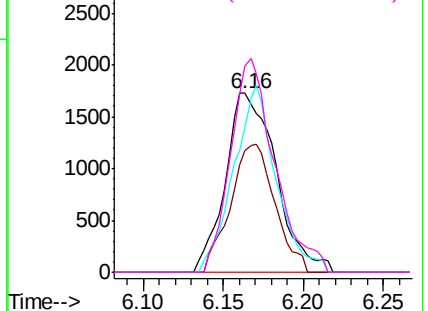


Abundance Ion 95.00 (94.70 to 95.70): VU034985.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU034985.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU034985.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU034985.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.250 ug/L

RT: 6.40 min Scan# 1650

Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

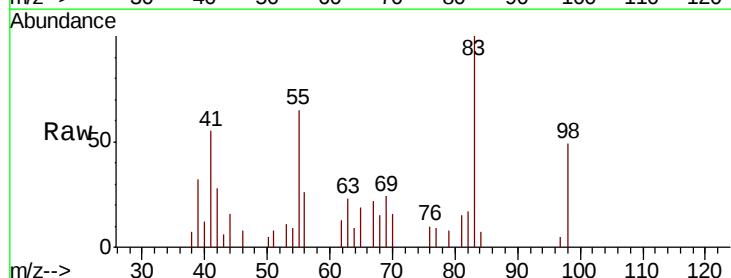
Tgt Ion: 83 Resp: 5608

Ion Ratio Lower Upper

83 100

55 74.7 62.6 94.0

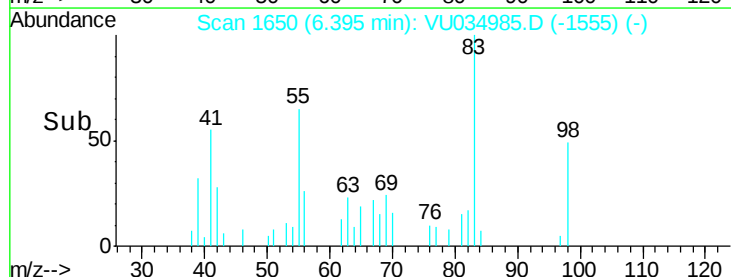
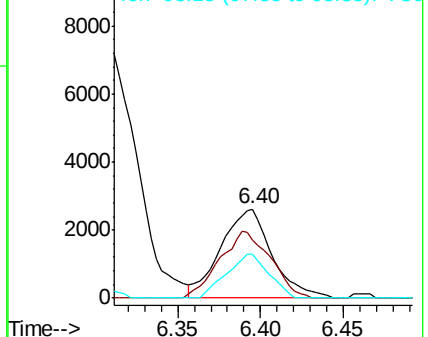
98 40.6 36.2 54.2

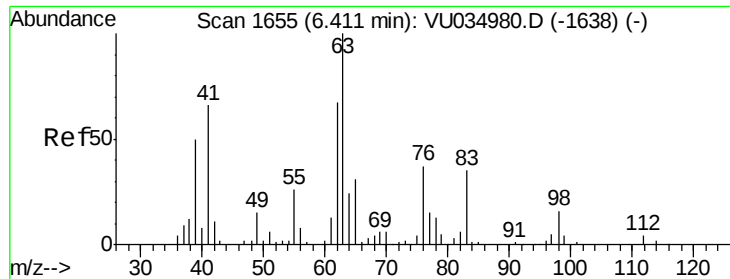


Abundance Ion 83.15 (82.85 to 83.85): VU034985.D (-1555) (-)

Ion 55.10 (54.80 to 55.80): VU034985.D (-1555) (-)

Ion 98.15 (97.85 to 98.85): VU034985.D (-1555) (-)





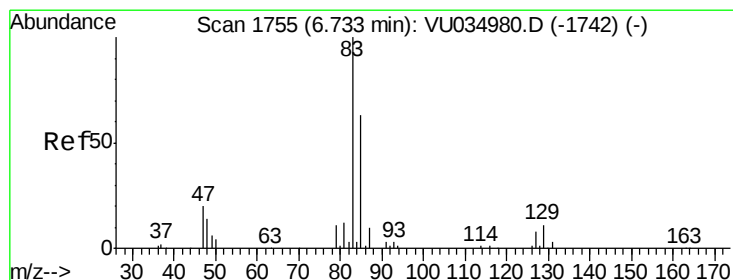
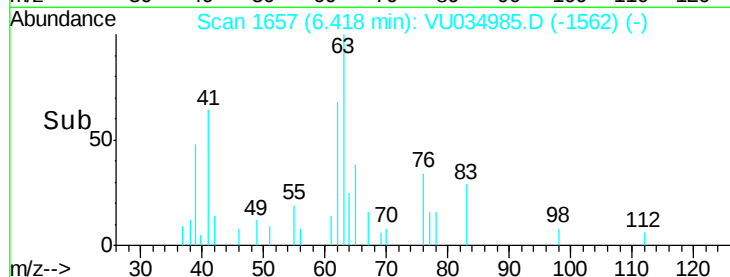
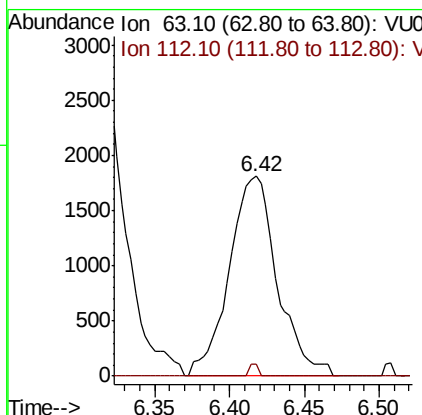
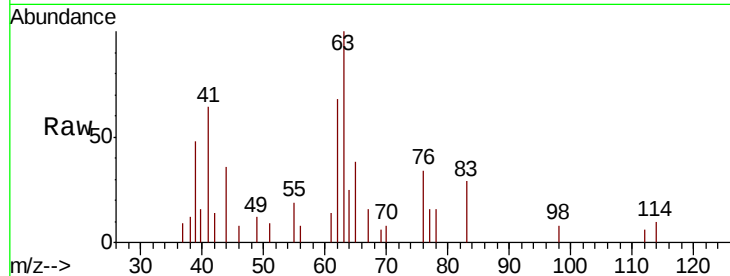
#37
 1,2-Dichloropropane
 Concen: 0.280 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 4049
 Ion Ratio Lower Upper
 63 100
 112 1.0 3.1 4.7#

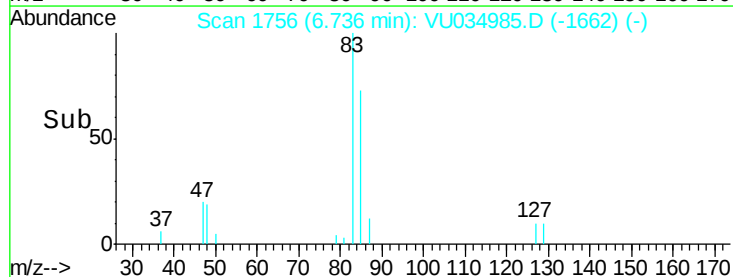
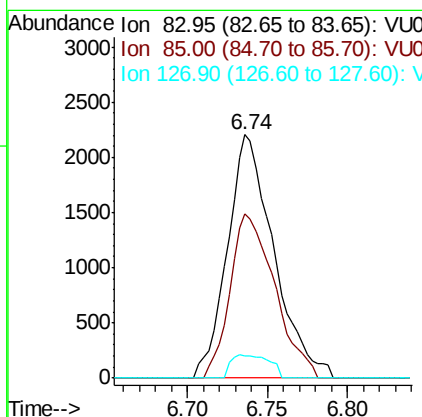
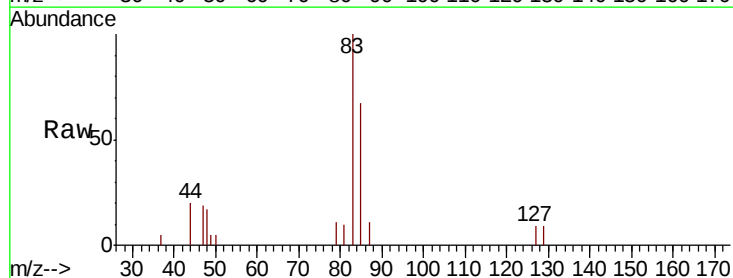
Manual Integrations
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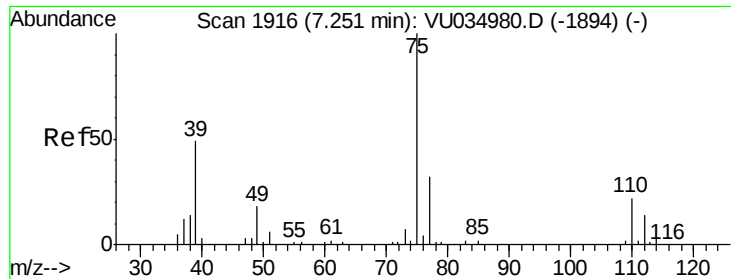
MMDadoda
 10/9/2019 3:47:50 PM



#38
 Bromodichloromethane
 Concen: 0.257 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 83 Resp: 4361
 Ion Ratio Lower Upper
 83 100
 85 67.4 44.0 81.8
 127 9.3 7.0 10.4





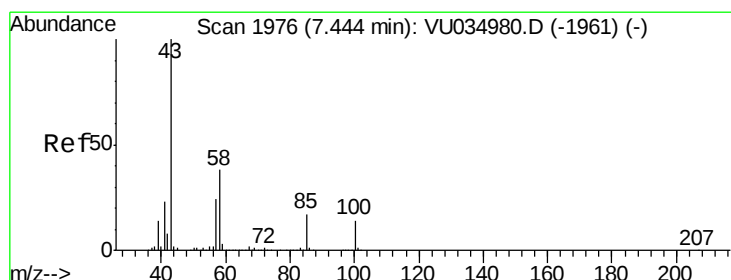
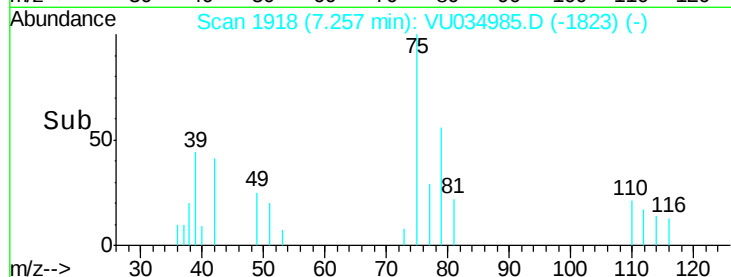
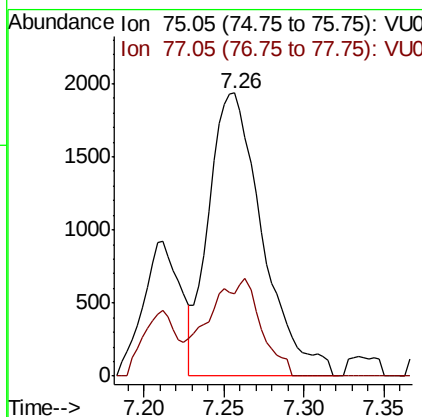
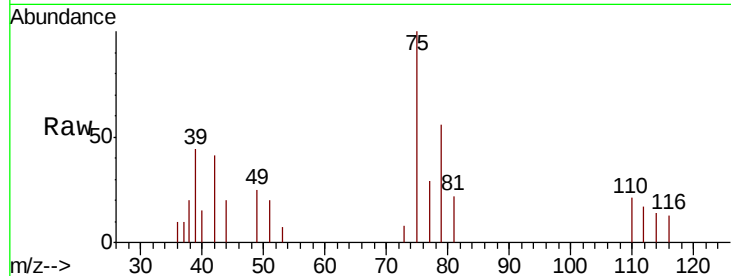
#39
 cis-1,3-Dichloropropene
 Concen: 0.228 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 4474
 Ion Ratio Lower Upper
 75 100
 77 29.1 22.1 41.1

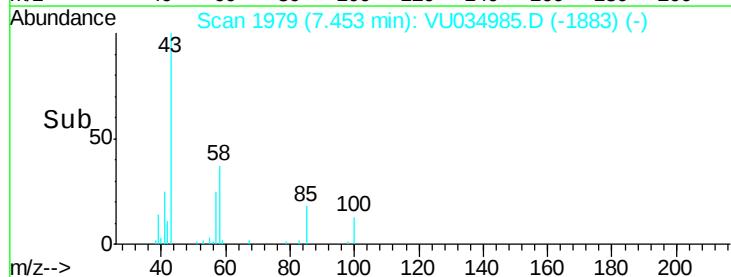
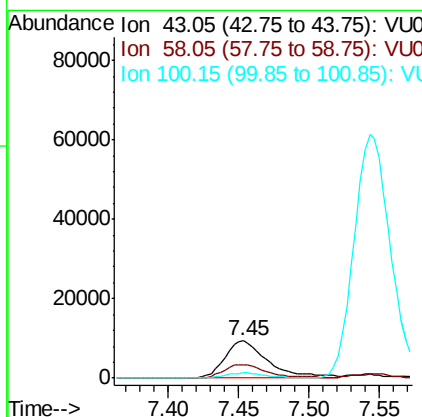
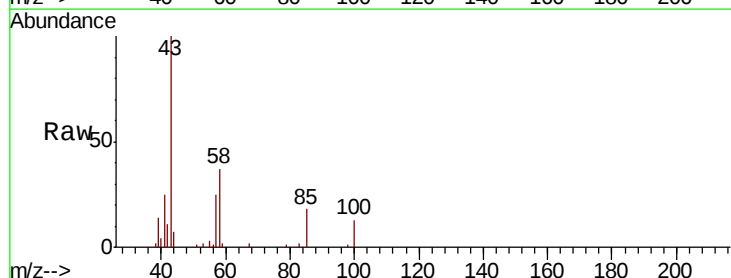
Manual Integrations
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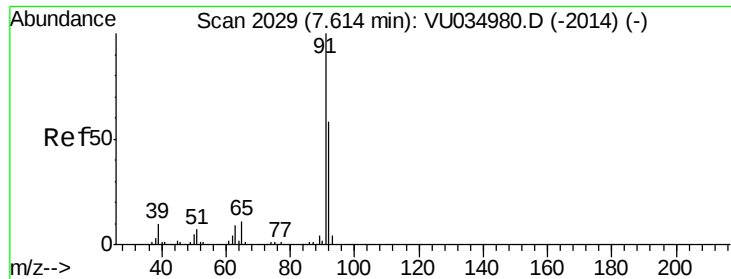
MMDadoda
 10/9/2019 3:47:50 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.208 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 43 Resp: 20123
 Ion Ratio Lower Upper
 43 100
 58 35.4 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.259 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 14494

Ion Ratio Lower Upper

91 100

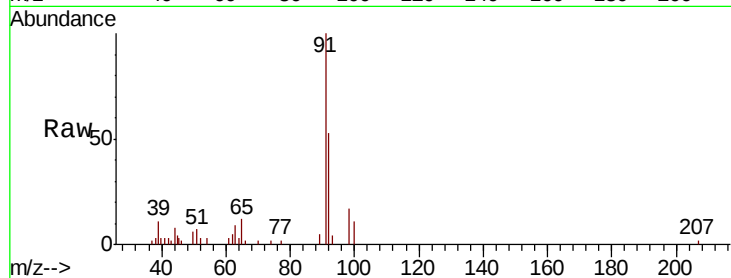
92 52.7 40.0 74.2

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VU034985.D (-1936) (-)

Ion 92.15 (91.85 to 92.85): VU034985.D (-1936) (-)

8000

6000

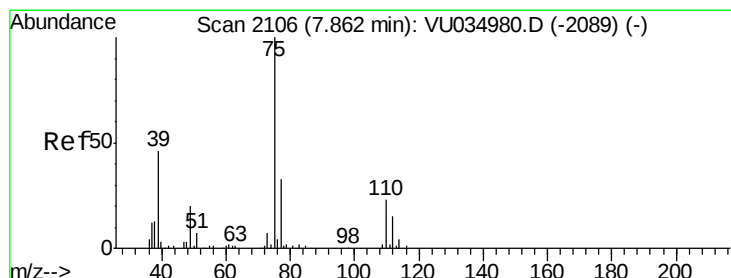
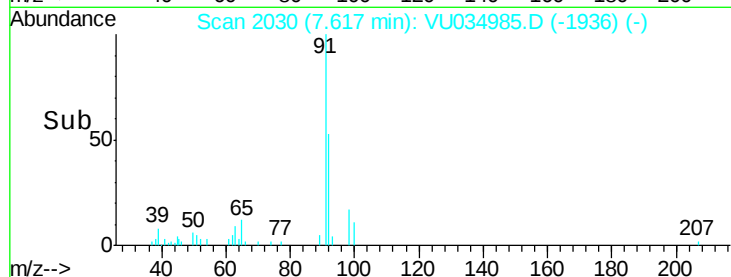
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.229 ug/L

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034985.D

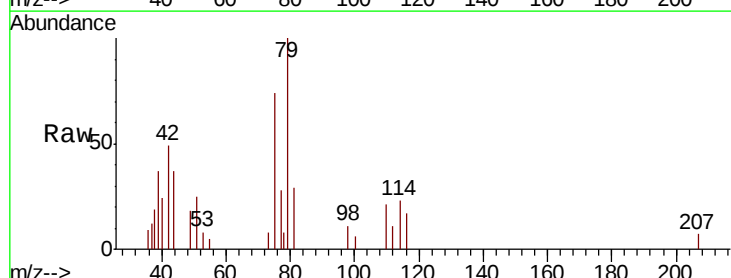
Acq: 08 Oct 2019 11:51

Tgt Ion: 75 Resp: 3479

Ion Ratio Lower Upper

75 100

77 37.5 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034985.D (-2013) (-)

Ion 77.05 (76.75 to 77.75): VU034985.D (-2013) (-)

1500

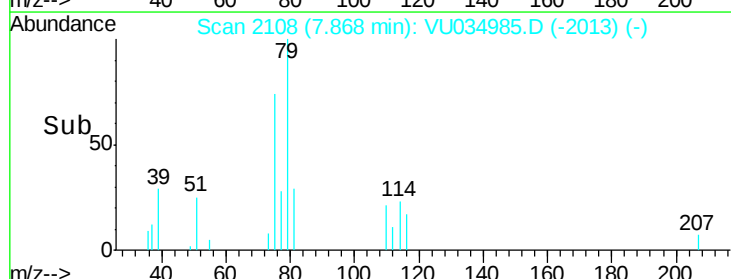
1000

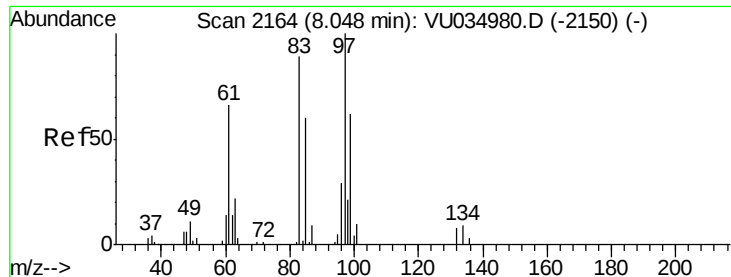
500

0

7.85 7.90 7.95

Time-->





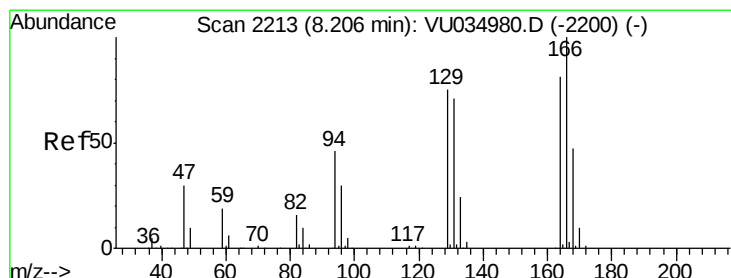
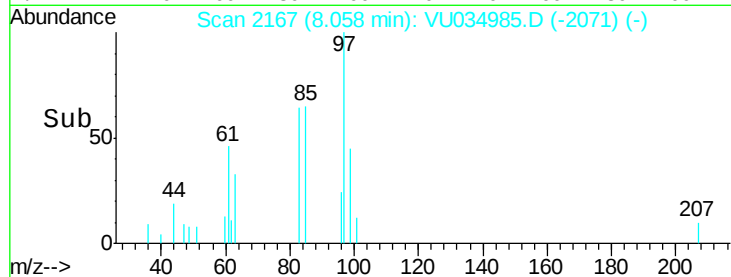
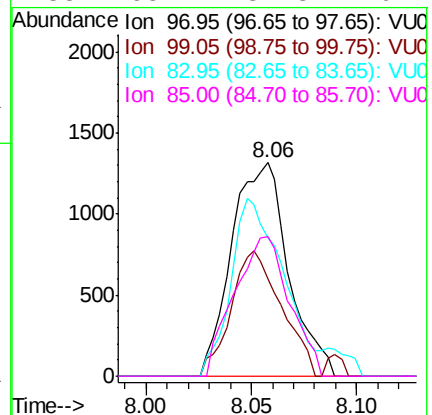
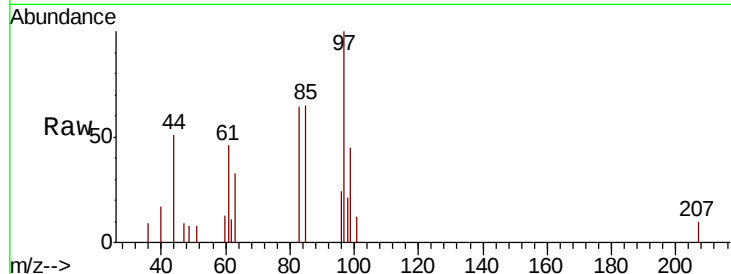
#45
 1,1,2-Trichloroethane
 Concen: 0.256 ug/L
 RT: 8.06 min Scan# 2167
 Delta R.T. 0.01 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion:	97	Resp:	2460
Ion	Ratio	Lower	Upper
97	100		
99	45.3	42.3	78.5
83	64.5	58.0	107.6
85	65.2	37.8	70.2

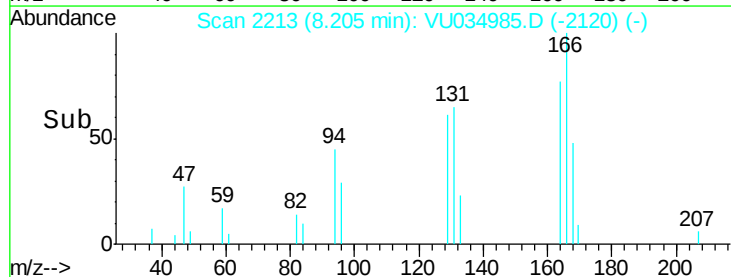
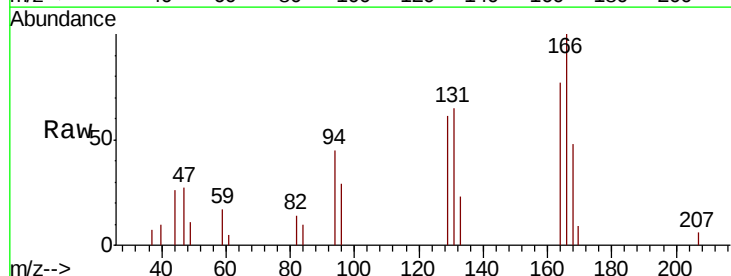
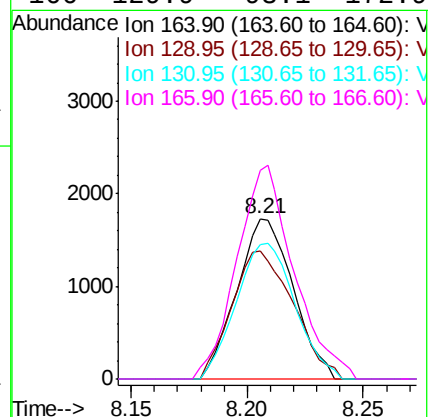
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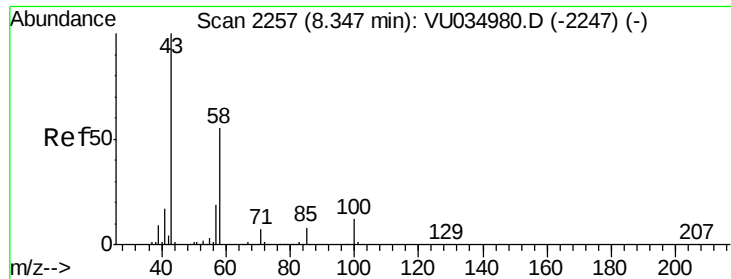
MMDadoda
 10/9/2019 3:47:50 PM



#47
 Tetrachloroethene
 Concen: 0.260 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion:	164	Resp:	2914
Ion	Ratio	Lower	Upper
164	100		
129	79.7	68.5	127.1
131	84.1	67.3	124.9
166	129.9	93.1	172.9





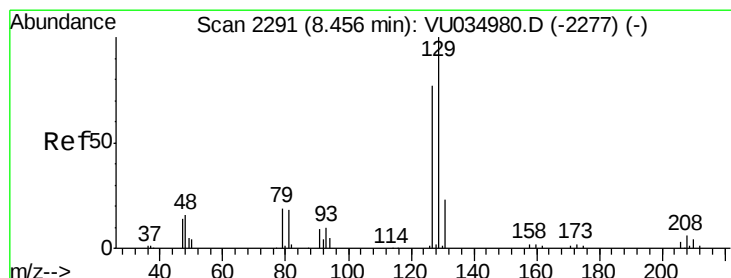
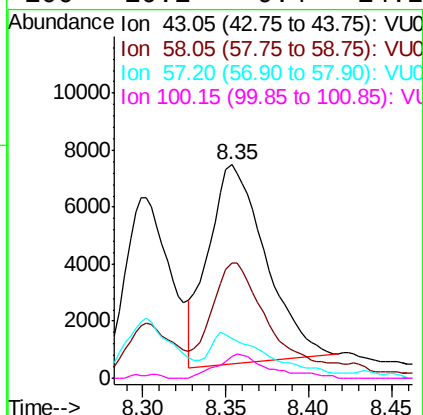
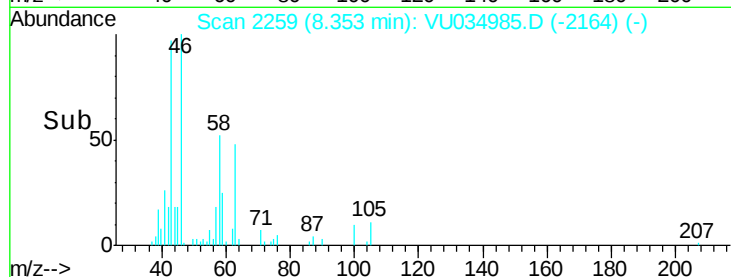
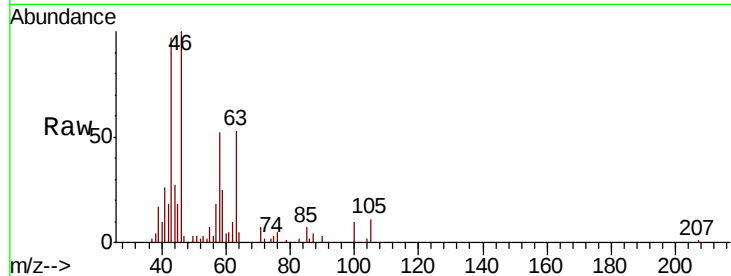
#48
2-Hexanone
Concen: 2.677 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion:	43	Resp:	16723
Ion	Ratio	Lower	Upper
43	100		
58	50.2	44.1	66.1
57	23.4	15.8	23.8
100	10.1	9.4	14.2

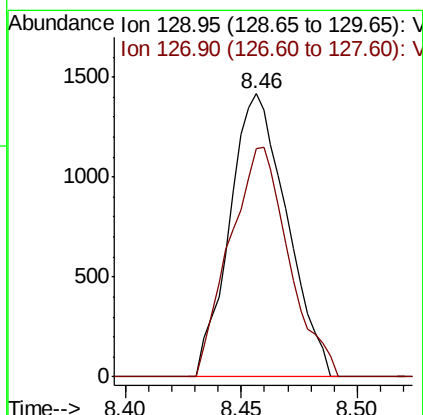
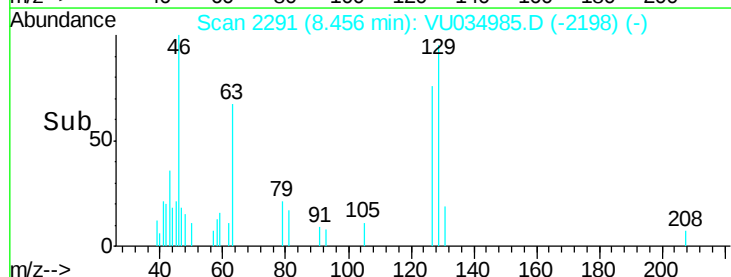
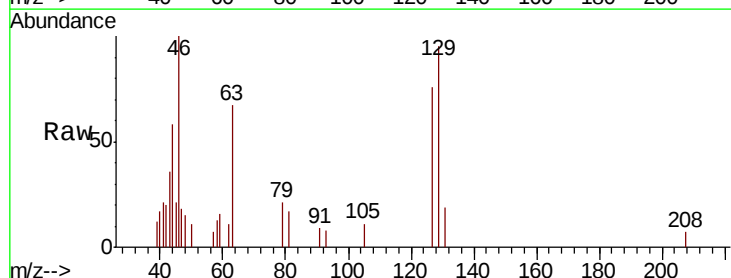
Manual Integrations
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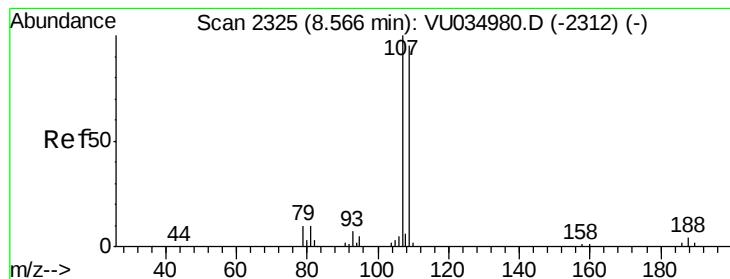
MMDadoda
10/9/2019 3:47:50 PM



#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion:	129	Resp:	2418
Ion	Ratio	Lower	Upper
129	100		
127	80.5	51.9	96.5





#50

1,2-Dibromoethane

Concen: 0.239 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

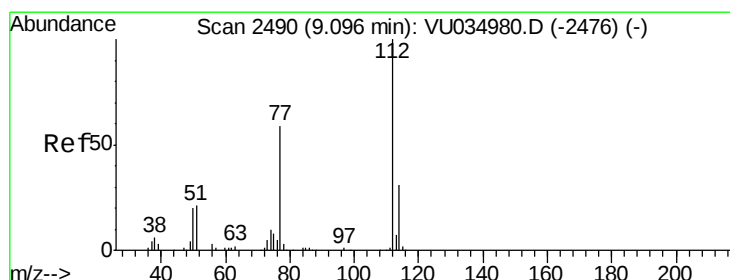
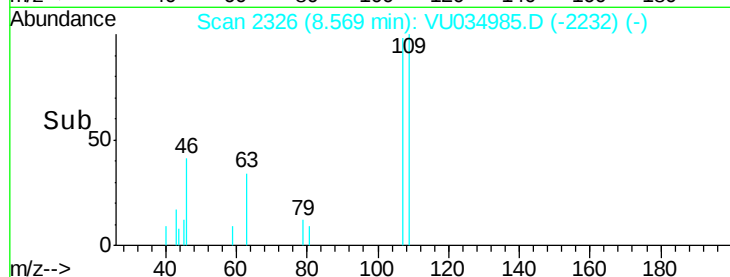
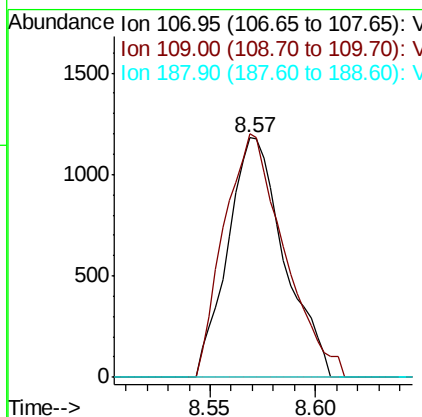
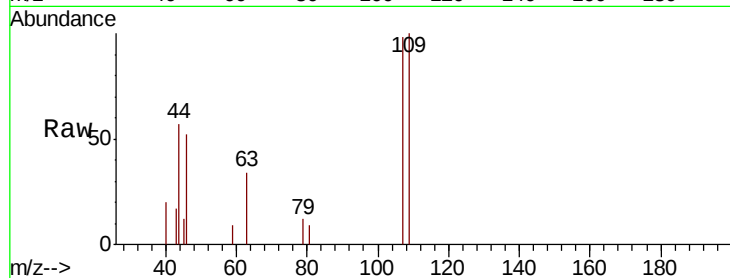
ClientSampleId :

MDL03

Tot Ion:	107	Resp:	2195
Ion Ratio	Lower	Upper	
107	100		
109	101.7	64.8	120.4
188	0.0	3.0	4.6#

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#51

Chlorobenzene

Concen: 0.246 ug/L

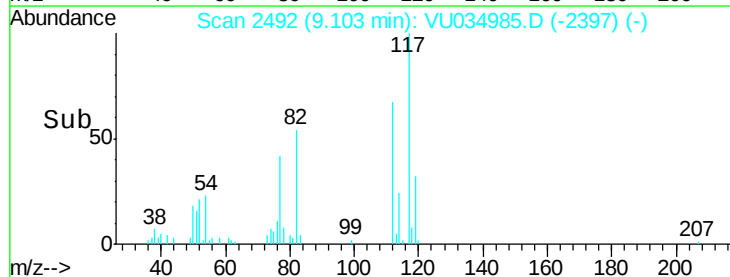
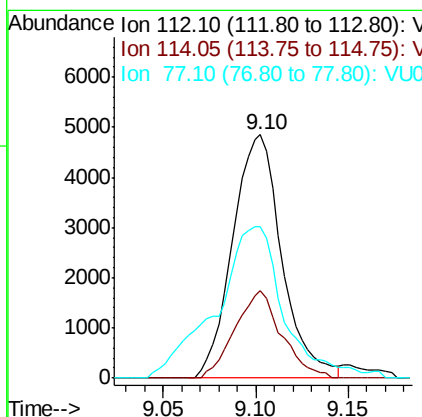
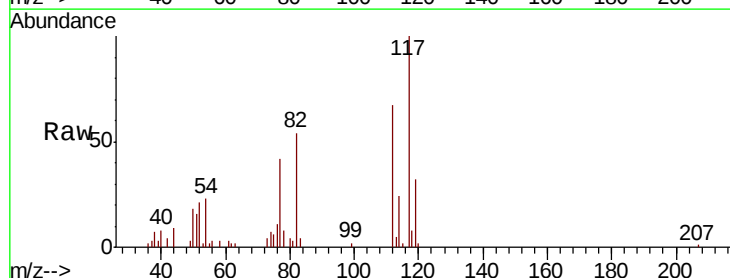
RT: 9.10 min Scan# 2492

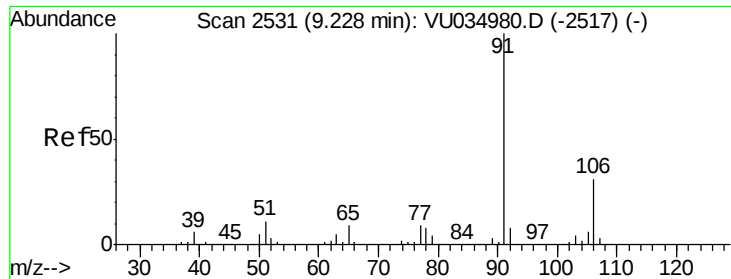
Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:	112	Resp:	8947
Ion Ratio	Lower	Upper	
112	100		
114	36.1	22.1	41.1
77	62.2	46.9	70.3





#52

Ethylbenzene

Concen: 0.245 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 15140

Ion Ratio Lower Upper

91 100

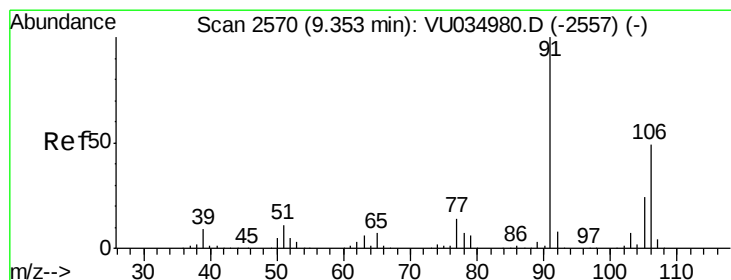
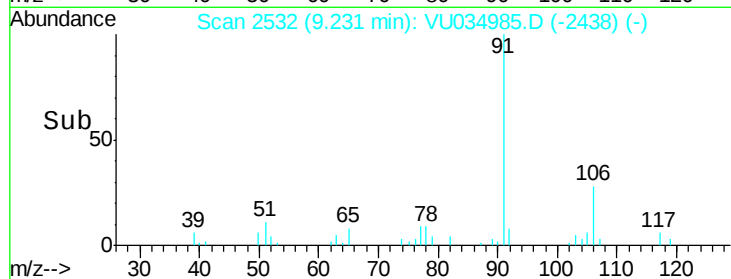
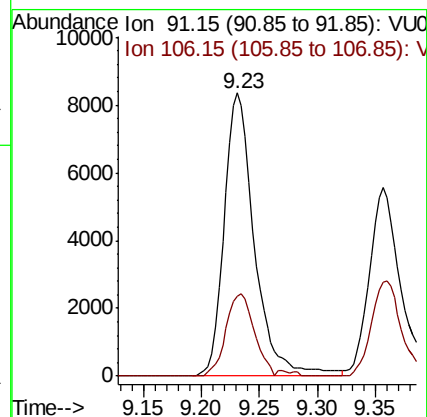
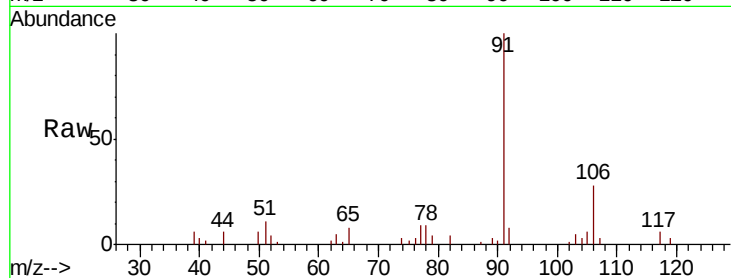
106 28.3 21.6 40.2

Manual Integrations

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#53

m,p-Xylene

Concen: 0.227 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034985.D

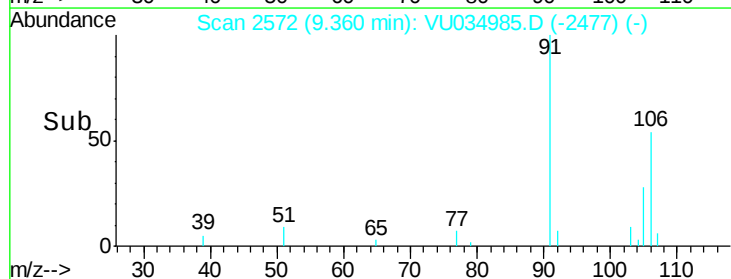
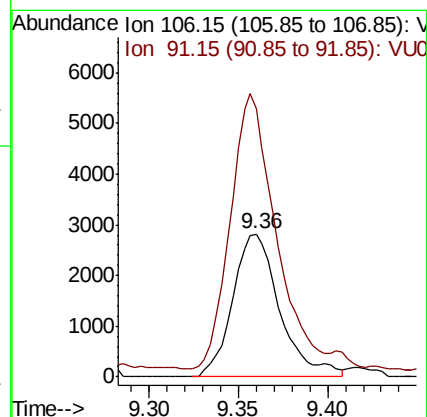
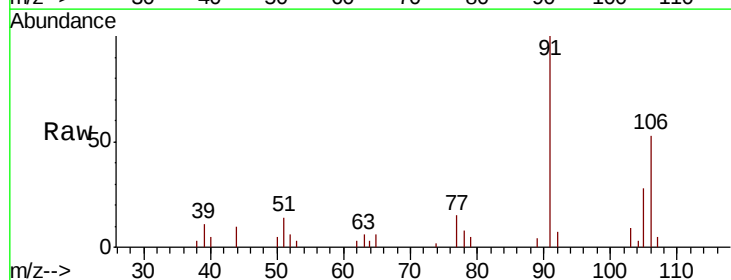
Acq: 08 Oct 2019 11:51

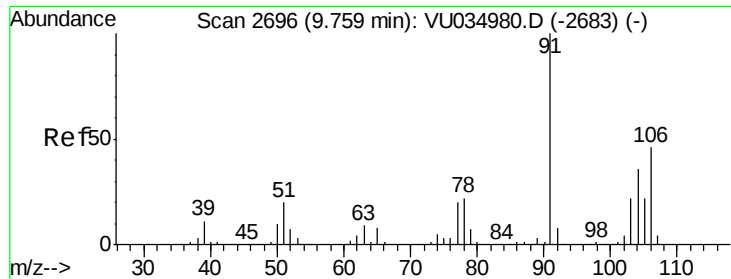
Tgt Ion: 106 Resp: 5179

Ion Ratio Lower Upper

106 100

91 187.5 147.6 274.0





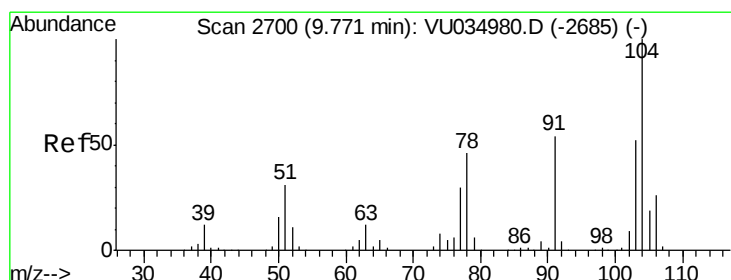
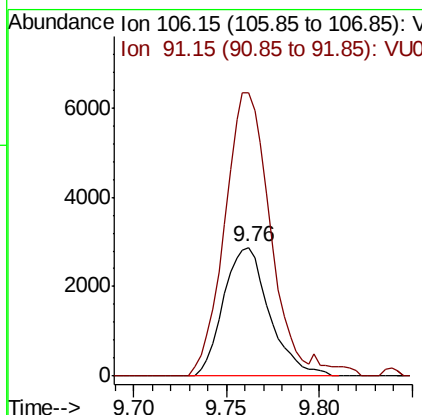
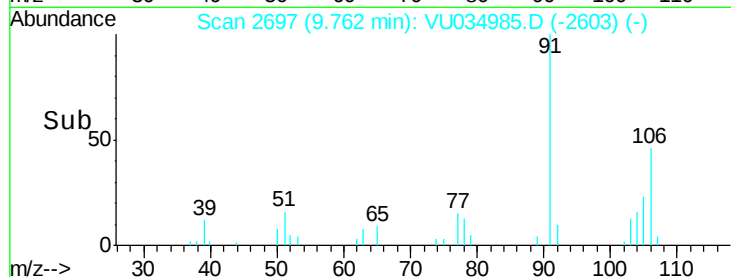
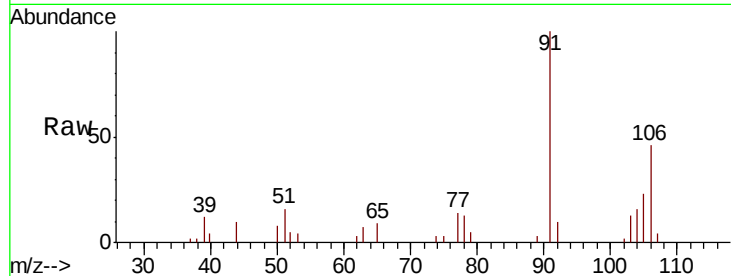
#54
o-Xylene
Concen: 0.221 ug/L
RT: 9.76 min Scan# 2697
Delta R.T. 0.00 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion:106 Resp: 4944
Ion Ratio Lower Upper
106 100
91 219.7 148.5 275.7

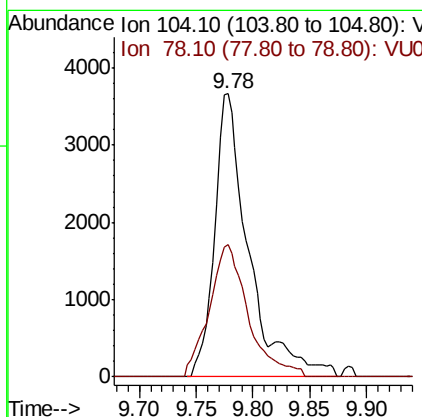
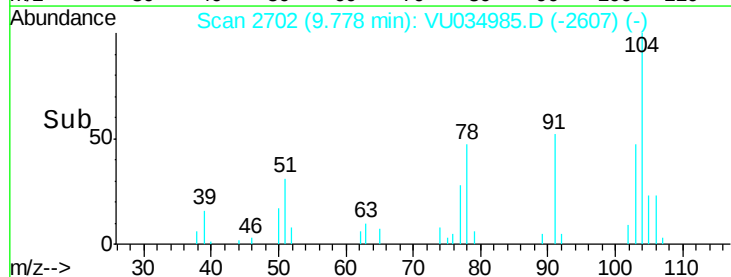
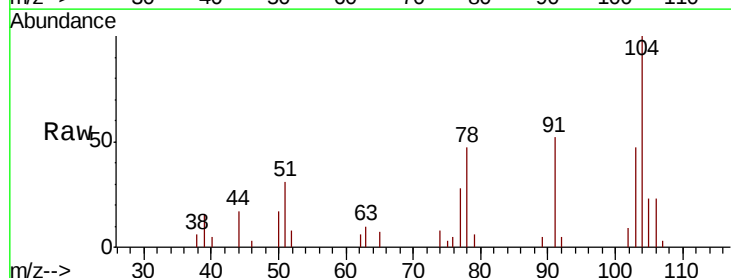
Manual Integrations
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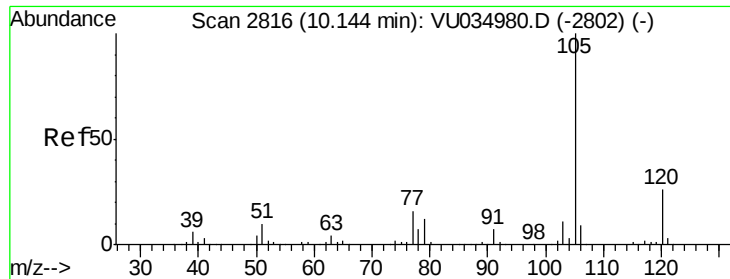
MMDadoda
10/9/2019 3:47:50 PM



#55
Styrene
Concen: 0.211 ug/L m
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034985.D
Acq: 08 Oct 2019 11:51

Tgt Ion:104 Resp: 7652
Ion Ratio Lower Upper
104 100
78 46.9 32.8 60.8





#56

Isopropylbenzene

Concen: 0.211 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

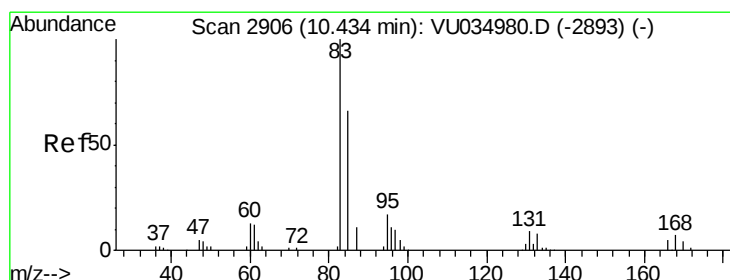
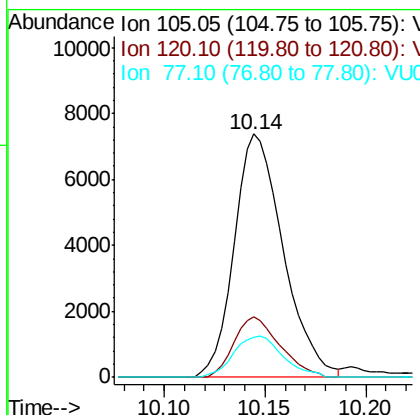
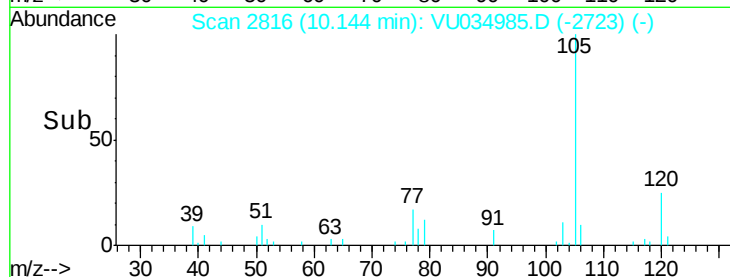
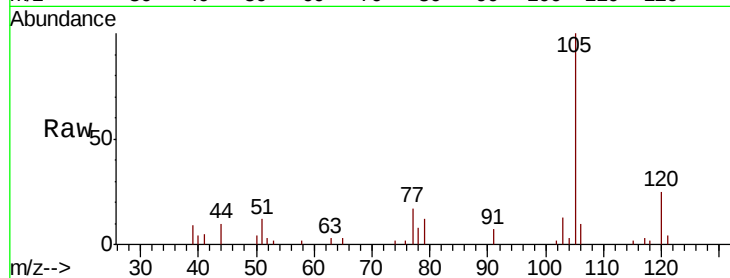
ClientSampled :

MDL03

Tot Ion:	105	Resp:	12557
Ion Ratio	Lower	Upper	
105	100		
120	23.3	21.3	31.9
77	17.0	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.245 ug/L

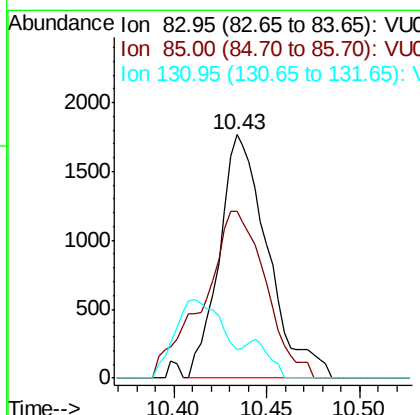
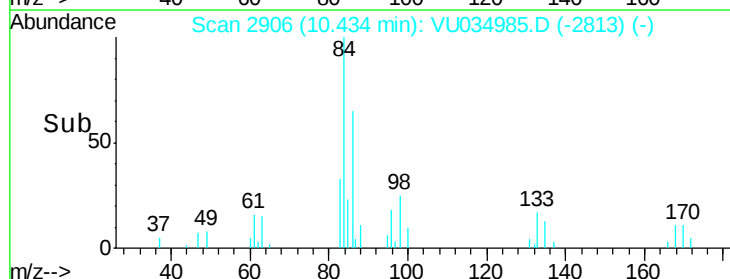
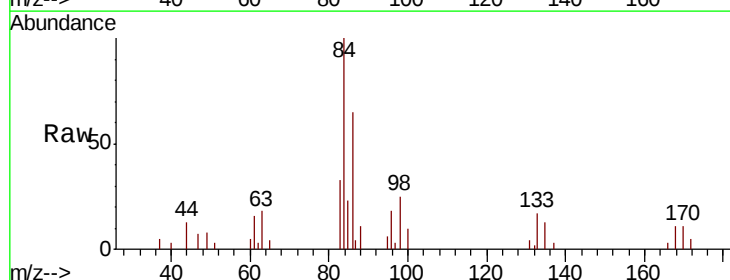
RT: 10.43 min Scan# 2906

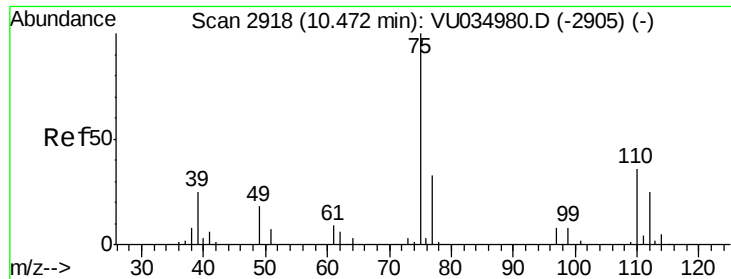
Delta R.T. -0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:	83	Resp:	3204
Ion Ratio	Lower	Upper	
83	100		
85	68.8	44.6	82.8
131	11.9	7.4	11.2#





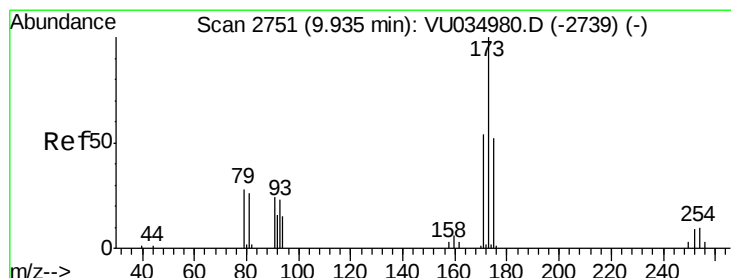
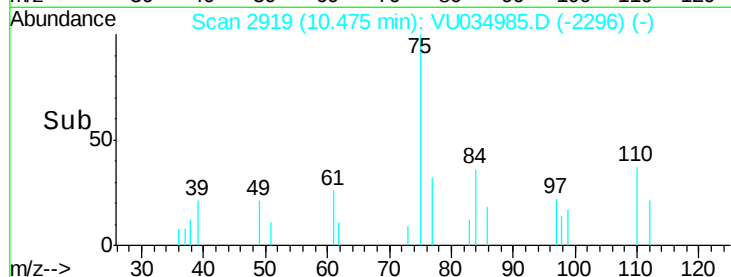
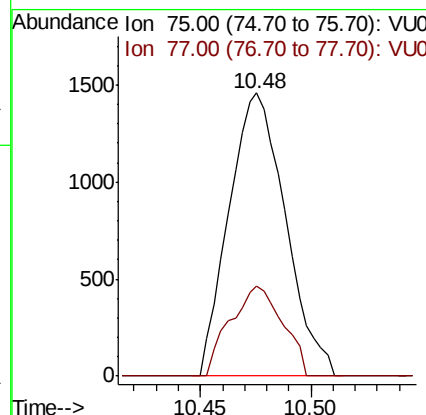
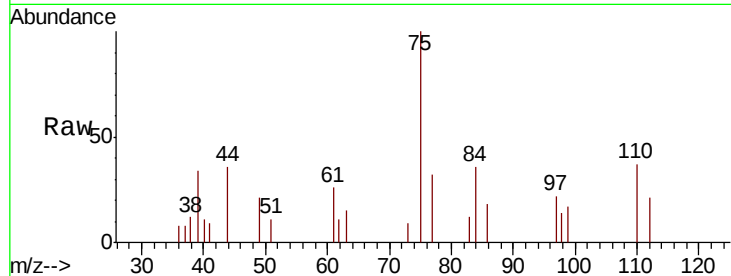
#59
 1,2,3-Trichloropropane
 Concen: 0.276 ug/L
 RT: 10.48 min Scan# 2919
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 2583
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.5 39.7

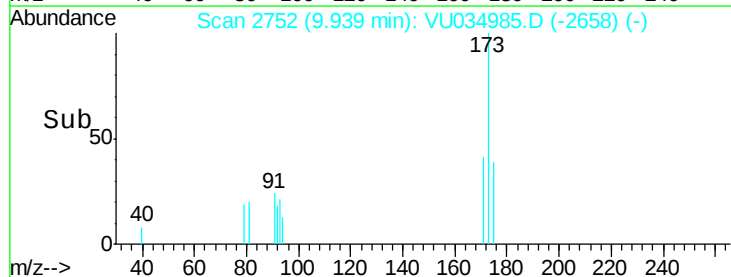
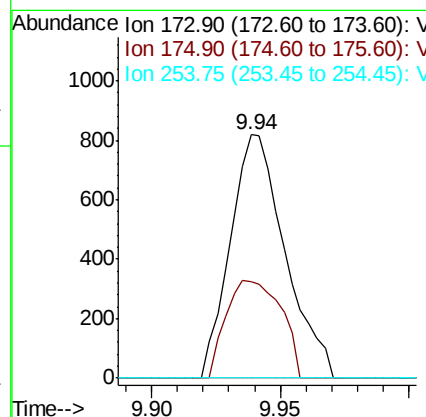
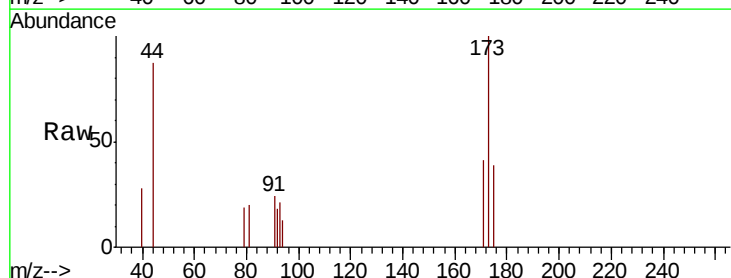
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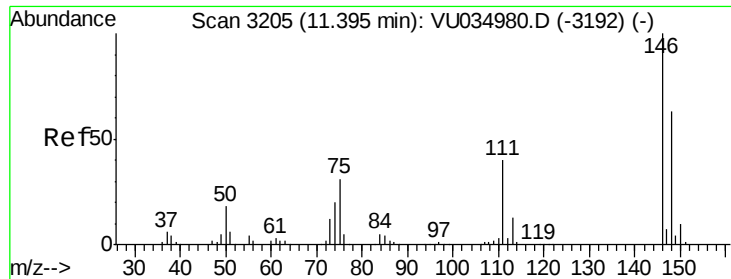
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#61
 Bromoform
 Concen: 0.226 ug/L
 RT: 9.94 min Scan# 2752
 Delta R.T. 0.00 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Tgt Ion: 173 Resp: 1208
 Ion Ratio Lower Upper
 173 100
 175 40.1 37.2 55.8
 254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.269 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

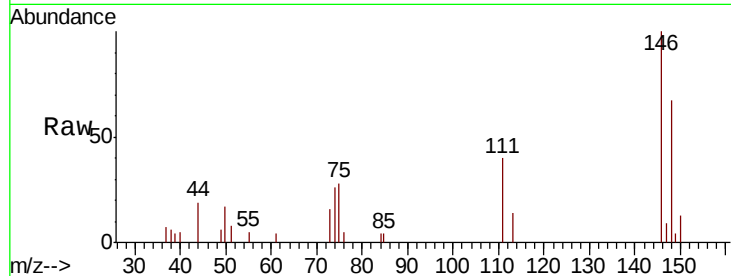
ClientSampleId :

MDL03

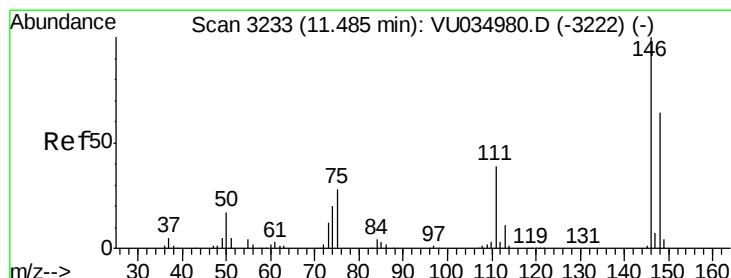
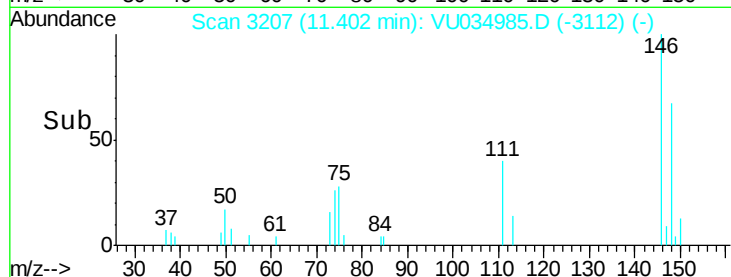
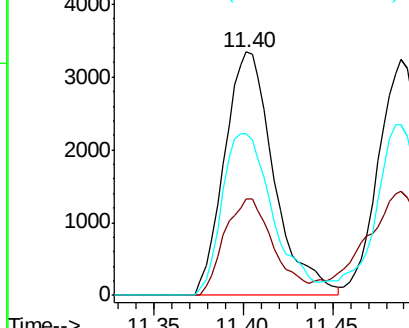
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	28.6	53.2
148	66.5	45.0	83.6

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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



#63

1,4-Dichlorobenzene

Concen: 0.266 ug/L

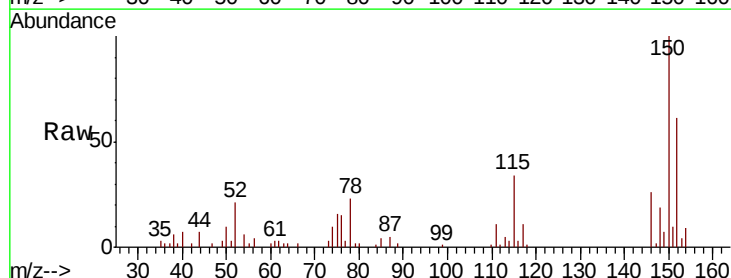
RT: 11.49 min Scan# 3234

Delta R.T. 0.00 min

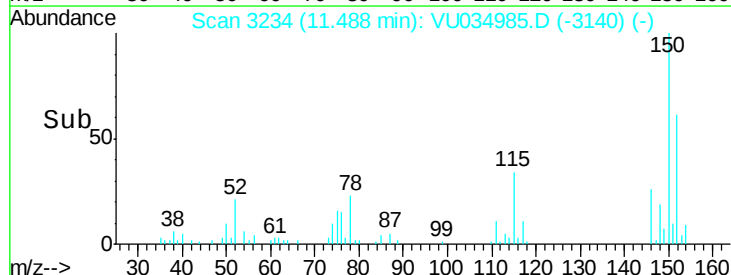
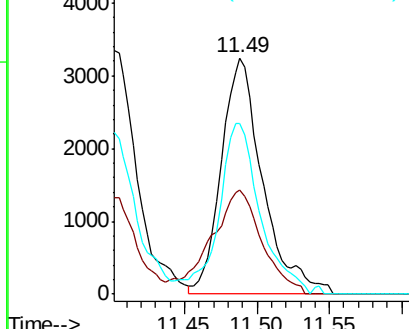
Lab File: VU034985.D

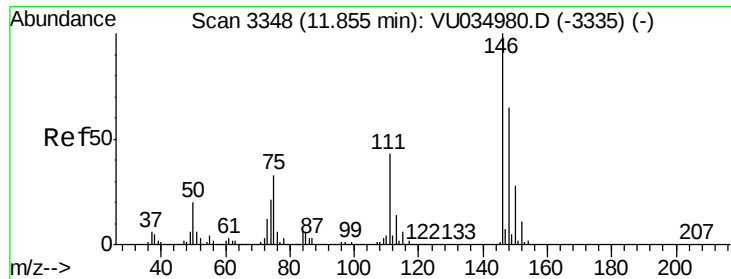
Acq: 08 Oct 2019 11:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.2	27.9	51.7
148	72.5	44.1	81.9



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





#65

1,2-Dichlorobenzene

Concen: 0.289 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Instrument :

MSVOA_U

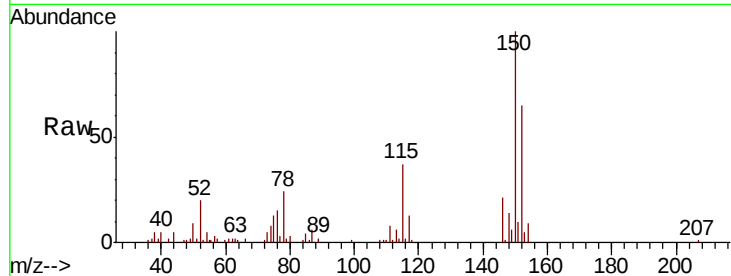
ClientSampled :

MDL03

Tot Ion:	146	Resp:	6688
Ion Ratio	Lower	Upper	
146	100		
111	39.5	34.2	51.4
148	63.4	52.0	78.0

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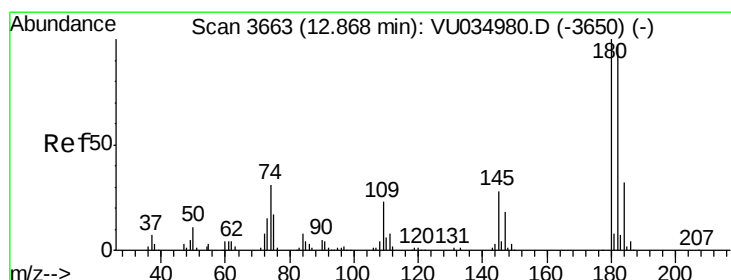
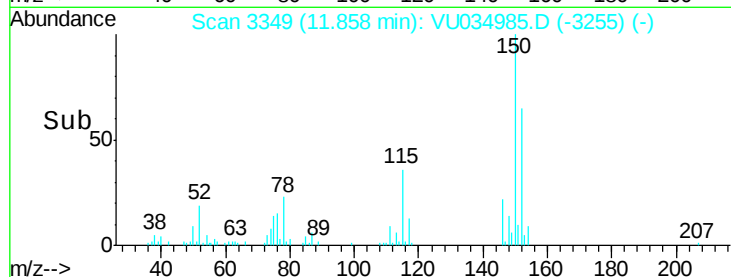
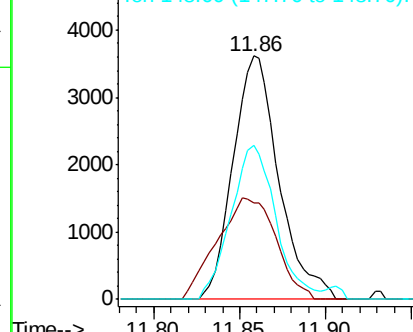


Abundance

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: 0.200 ug/L

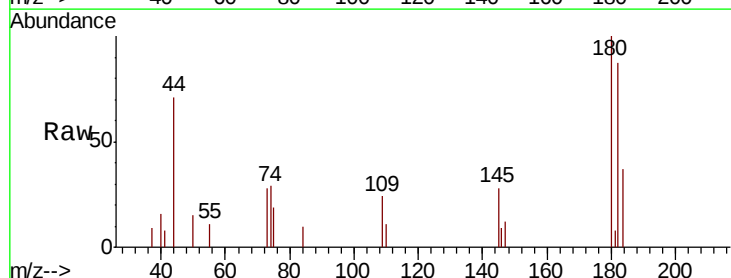
RT: 12.87 min Scan# 3664

Delta R.T. 0.00 min

Lab File: VU034985.D

Acq: 08 Oct 2019 11:51

Tgt Ion:	180	Resp:	3252
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.0	114.0
184	26.1	24.2	36.2
145	23.2	24.6	37.0#



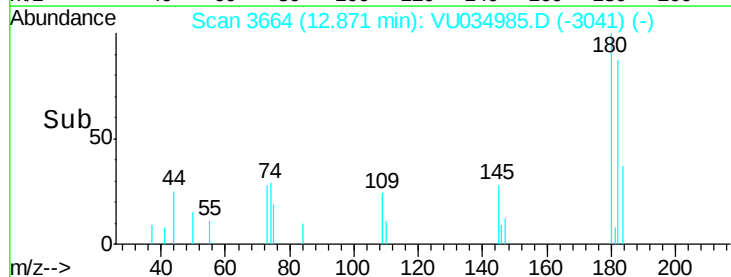
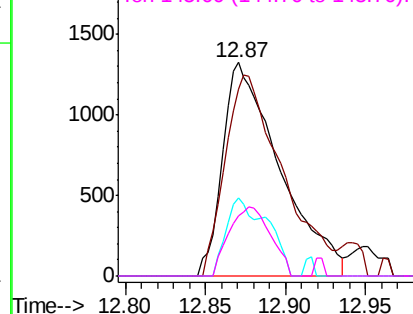
Abundance

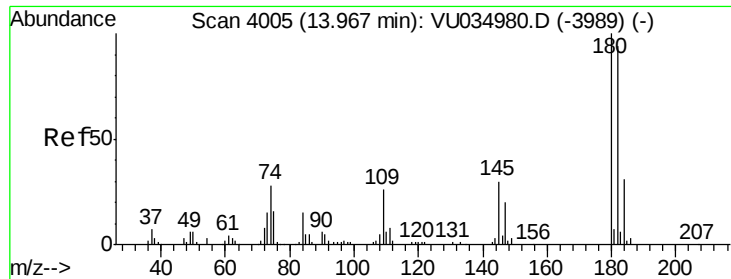
Ion 180.00 (179.70 to 180.70): V

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: 0.160 ug/L m
 RT: 14.00 min Scan# 4015
 Delta R.T. 0.03 min
 Lab File: VU034985.D
 Acq: 08 Oct 2019 11:51

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	59.4	77.0	115.4#
145	20.5	25.9	38.9#

Manual Integrations
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