

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100819\
 Data File : VU034989.D
 Acq On : 08 Oct 2019 13:28
 Operator : JC/SP
 Sample : MDL07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:48:11 PM

Quant Time: Oct 09 07:58:09 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	168567	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	172224	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	72109	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	45824	4.60	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.00%
7) Chloroethane-d5	1.67	69	44041	4.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.60%
11) 1,1-Dichloroethene-d2	2.26	63	71627	3.41	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.20%
20) 2-Butanone-d5	4.19	46	152228	51.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.76%
24) Chloroform-d	4.62	84	88566	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
26) 1,2-Dichloroethane-d4	5.29	65	57243	5.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.60%
32) Benzene-d6	5.31	84	191737	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.31	67	66839	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.54	98	172245	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.20%
43) trans-1,3-Dichloropropene-	7.84	79	20063	4.13	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.60%
46) 2-Hexanone-d5	8.30	63	105254	45.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.10%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	54245	4.77	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.84	152	65126	5.35	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	4353	0.283 ug/L	100
3) Chloromethane	1.32	50	5372	0.318 ug/L	97
5) Vinyl chloride	1.40	62	5352	0.322 ug/L	93
6) Bromomethane	1.62	94	2878	0.312 ug/L	93
8) Chloroethane	1.69	64	3149	0.316 ug/L	96
9) Trichlorofluoromethane	1.87	101	6380	0.318 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3937	0.342 ug/L	86
12) 1,1-Dichloroethene	2.27	96	3851	0.356 ug/L #	1
13) Acetone	2.33	43	8667	3.606 ug/L	96
14) Carbon disulfide	2.46	76	10606	0.294 ug/L	98
15) Methyl Acetate	2.61	43	1933	0.302 ug/L #	80
16) Methylene chloride	2.68	84	6355	0.474 ug/L	86
17) Methyl tert-butyl Ether	2.99	73	9154	0.310 ug/L #	92
18) trans-1,2-Dichloroethene	2.96	96	3299	0.285 ug/L	93
19) 1,1-Dichloroethane	3.42	63	6969	0.302 ug/L	98
21) 2-Butanone	4.28	43	9660m	2.823 ug/L	
22) cis-1,2-Dichloroethene	4.20	96	3779	0.292 ug/L	92

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

23) Bromochloromethane	4.53	128	1509	0.278	ug/L	81
25) Chloroform	4.65	83	19663	0.759	ug/L	94
27) 1,2-Dichloroethane	5.39	62	4546	0.301	ug/L #	92
29) 1,1,1-Trichloroethane	4.89	97	5474	0.283	ug/L	93
30) Cyclohexane	4.96	56	5783	0.272	ug/L	92
31) Carbon tetrachloride	5.11	117	4644	0.277	ug/L	95
33) Benzene	5.36	78	14695m	0.283	ug/L	
34) Trichloroethene	6.17	95	3705	0.277	ug/L	93
35) Methylcyclohexane	6.39	83	5766	0.266	ug/L	97
37) 1,2-Dichloropropane	6.41	63	3332	0.238	ug/L #	88
38) Bromodichloromethane	6.74	83	4719	0.288	ug/L	89
39) cis-1,3-Dichloropropene	7.25	75	4541m	0.240	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	20773	2.359	ug/L #	88
42) Toluene	7.62	91	14217	0.263	ug/L	92
44) trans-1,3-Dichloropropene	7.87	75	3688m	0.251	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	2530	0.272	ug/L #	82
47) Tetrachloroethene	8.21	164	3011	0.278	ug/L	94
48) 2-Hexanone	8.35	43	19405	3.213	ug/L #	94
49) Dibromochloromethane	8.46	129	2412	0.225	ug/L	94
50) 1,2-Dibromoethane	8.57	107	2273	0.256	ug/L #	94
51) Chlorobenzene	9.10	112	9355	0.267	ug/L	89
52) Ethylbenzene	9.23	91	15772	0.264	ug/L	95
53) m,p-Xylene	9.36	106	5282	0.239	ug/L	91
54) o-Xylene	9.76	106	5225	0.242	ug/L	96
55) Styrene	9.78	104	7843	0.224	ug/L	99
56) Isopropylbenzene	10.14	105	14355	0.249	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.43	83	3428	0.271	ug/L #	91
59) 1,2,3-Trichloropropane	10.48	75	2271	0.251	ug/L	92
61) Bromoform	9.94	173	1331	0.269	ug/L #	95
62) 1,3-Dichlorobenzene	11.40	146	7002	0.315	ug/L	94
63) 1,4-Dichlorobenzene	11.49	146	6859	0.306	ug/L	93
65) 1,2-Dichlorobenzene	11.86	146	7248	0.338	ug/L	95
67) 1,3,5-Trichlorobenzene	12.87	180	3272	0.218	ug/L #	85
69) Naphthalene	13.77	128	1984m	0.114	ug/L	
70) 1,2,3-Trichlorobenzene	13.99	180	2093m	0.192	ug/L	

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

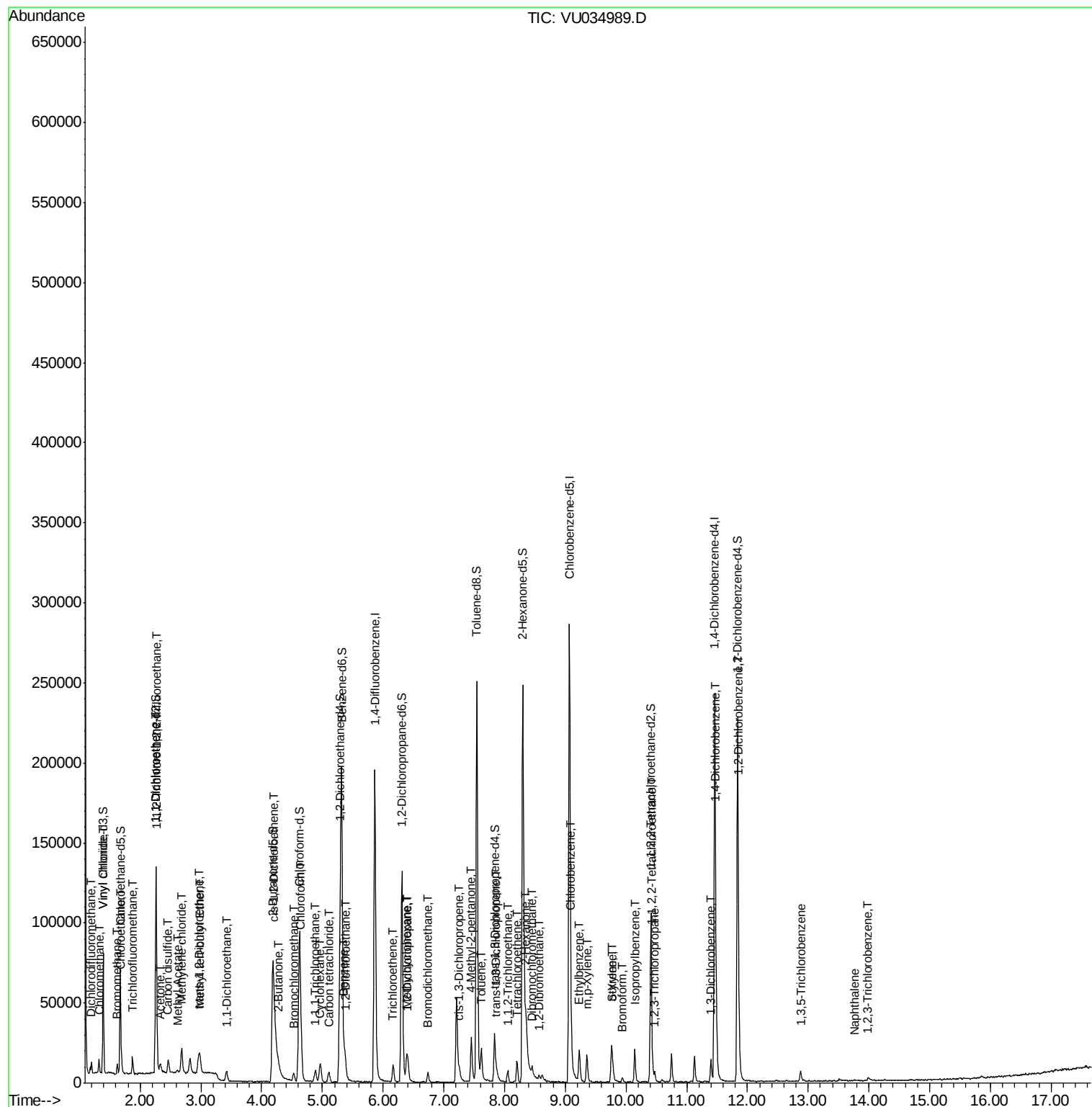
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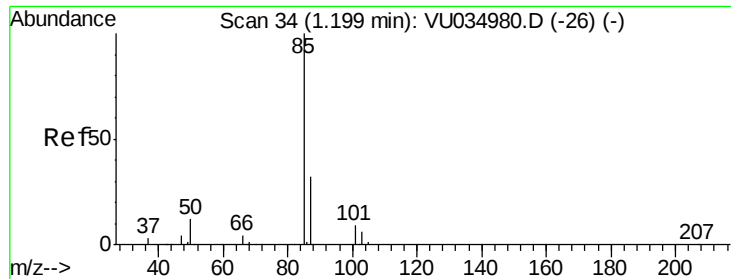
Instrument :
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QLast Update : Wed Oct 09 07:15:09 2019
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#2

Dichlorodifluoromethane

Concen: 0.283 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 4353

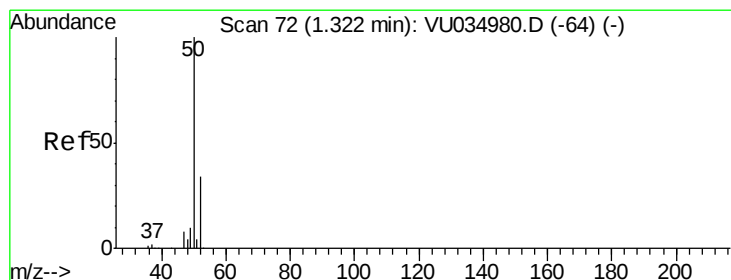
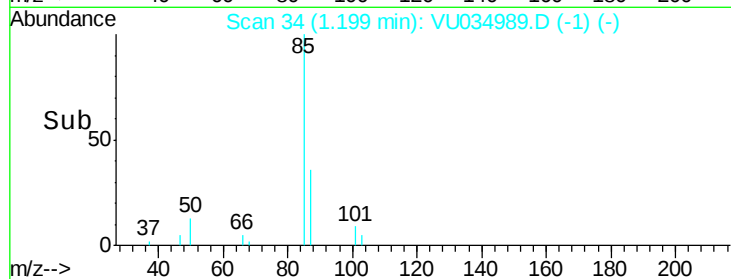
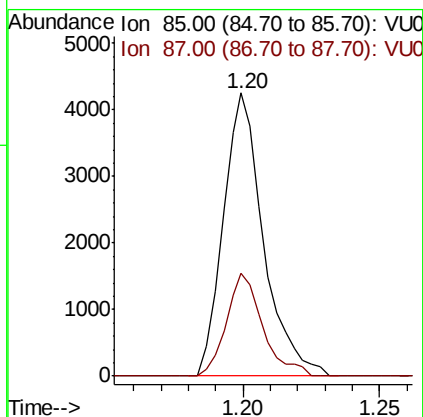
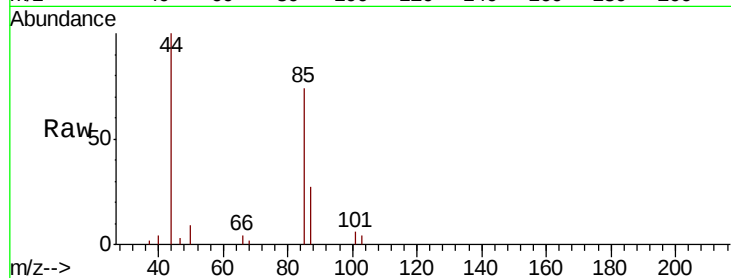
Ion Ratio Lower Upper

85 100

87 33.0 26.3 39.5

Manual Integrations
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#3

Chloromethane

Concen: 0.318 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034989.D

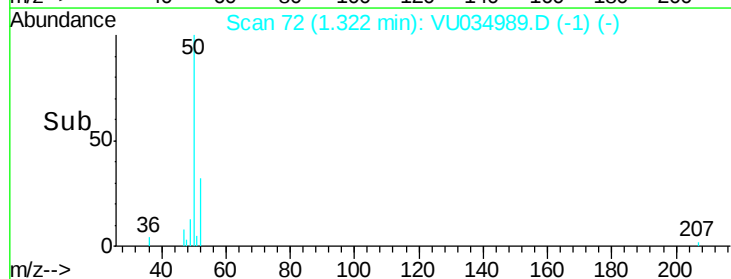
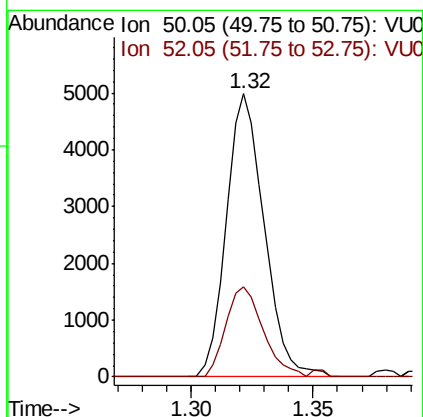
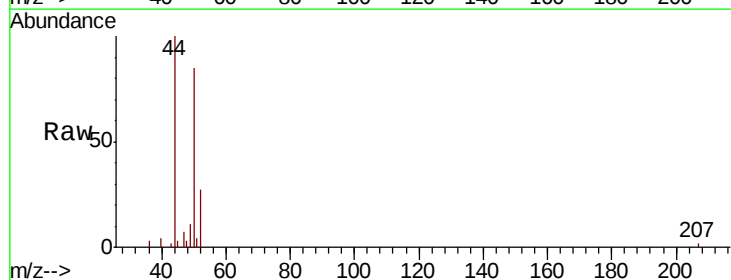
Acq: 08 Oct 2019 13:28

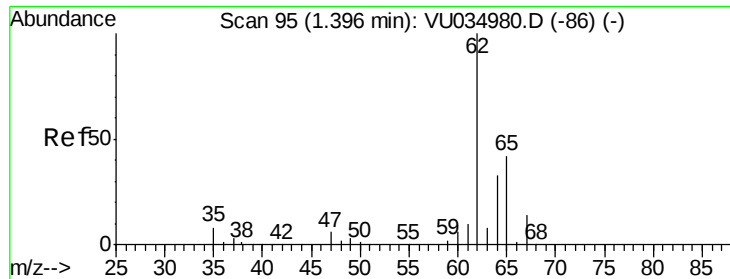
Tgt Ion: 50 Resp: 5372

Ion Ratio Lower Upper

50 100

52 31.7 23.3 43.3





#5

Vinyl chloride

Concen: 0.322 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 62 Resp: 5352

Ion Ratio Lower Upper

62 100

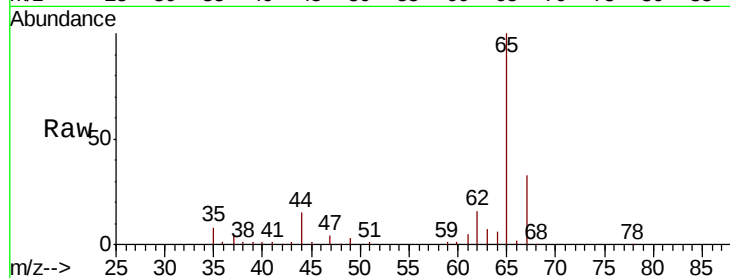
64 36.4 22.8 42.4

Manual Integrations

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Abundance Ion 62.00 (61.70 to 62.70): VU034989.D (-86) (-)

Ion 64.10 (63.80 to 64.80): VU034989.D (-86) (-)

1.40

5000

4000

3000

2000

1000

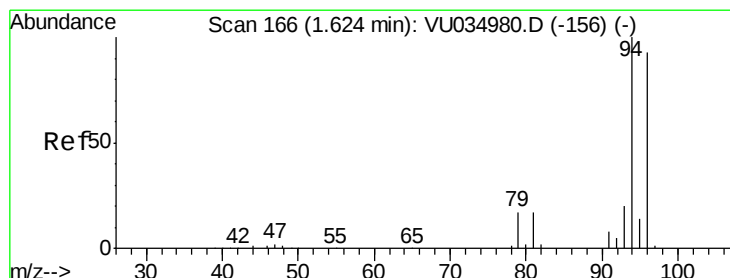
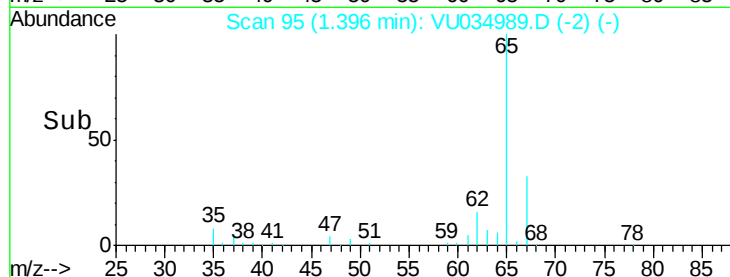
0

Time-->

1.35

1.40

1.45



#6

Bromomethane

Concen: 0.312 ug/L

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU034989.D

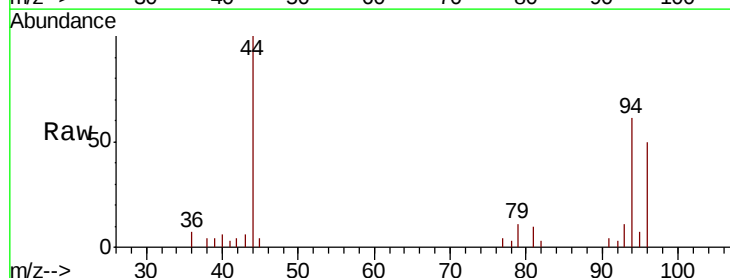
Acq: 08 Oct 2019 13:28

Tgt Ion: 94 Resp: 2878

Ion Ratio Lower Upper

94 100

96 82.3 62.4 116.0



Abundance Ion 94.00 (93.70 to 94.70): VU034989.D (-156) (-)

Ion 96.00 (95.70 to 96.70): VU034989.D (-156) (-)

1.62

2500

2000

1500

1000

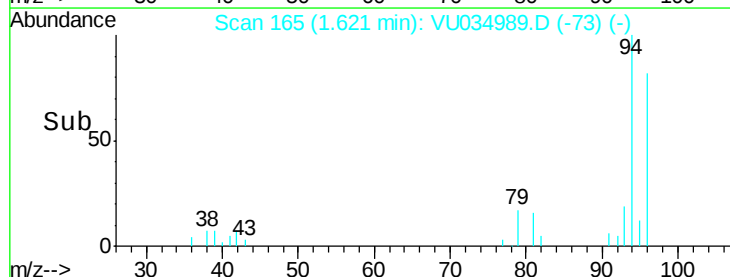
500

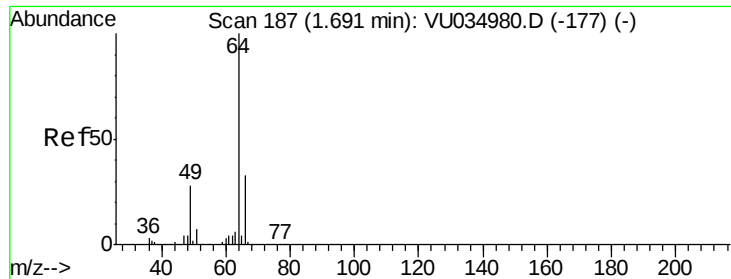
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Time-->

1.60

1.65





#8

Chloroethane

Concen: 0.316 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 64 Resp: 3149

Ion Ratio Lower Upper

64 100

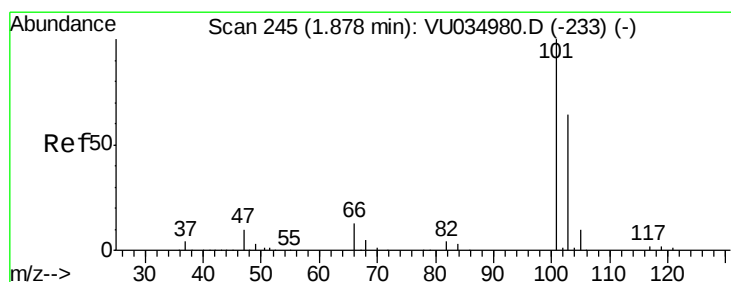
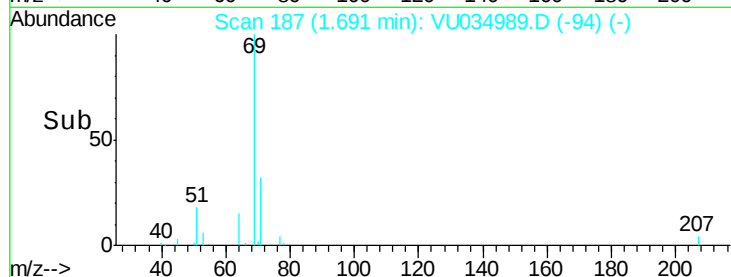
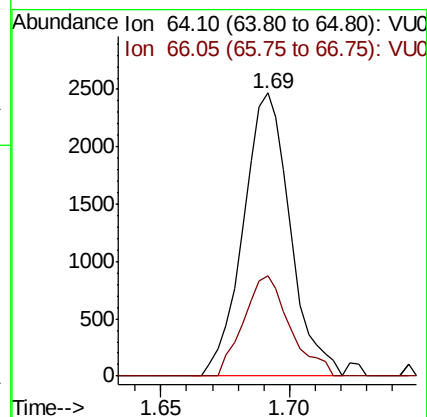
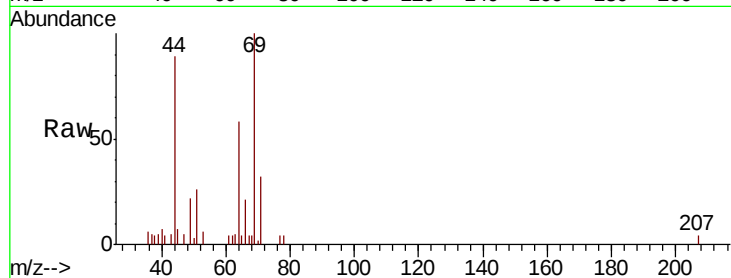
66 35.4 23.2 43.2

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.318 ug/L

RT: 1.87 min Scan# 244

Delta R.T. -0.00 min

Lab File: VU034989.D

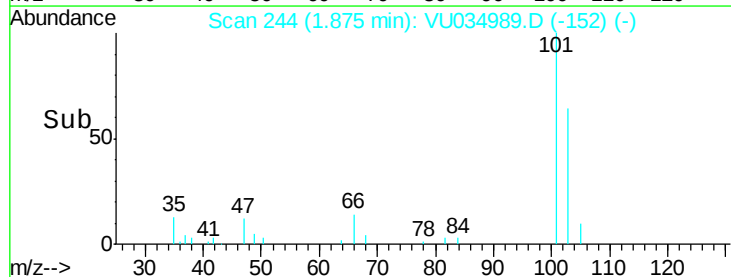
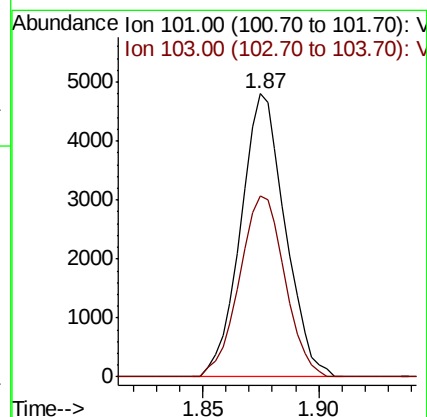
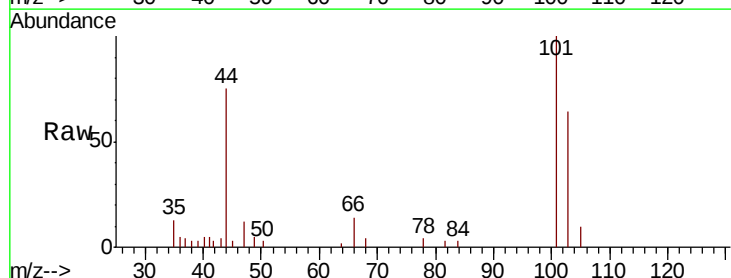
Acq: 08 Oct 2019 13:28

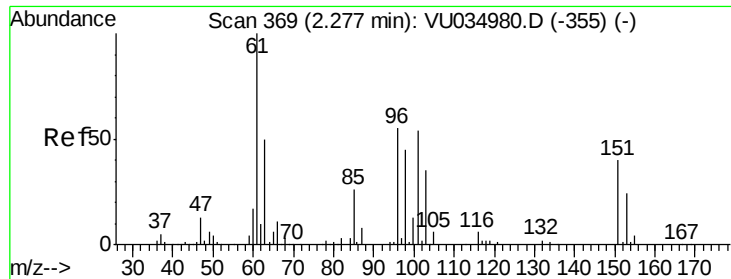
Tgt Ion: 101 Resp: 6380

Ion Ratio Lower Upper

101 100

103 65.3 52.2 78.4





#10

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

Concen: 0.342 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

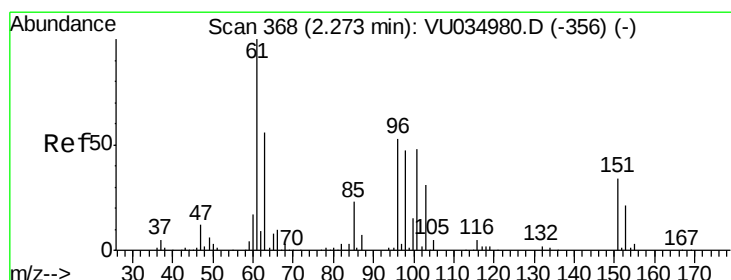
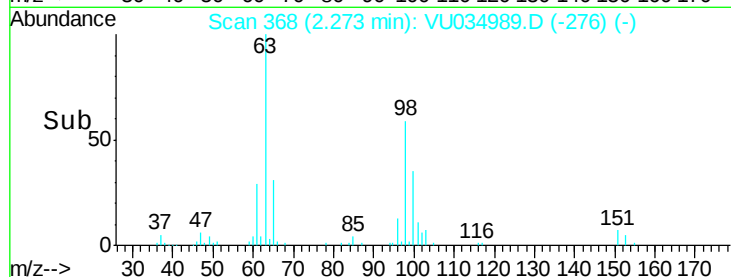
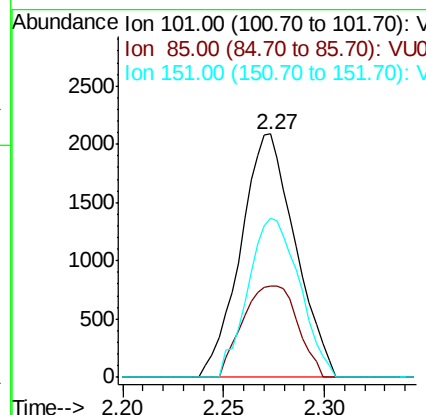
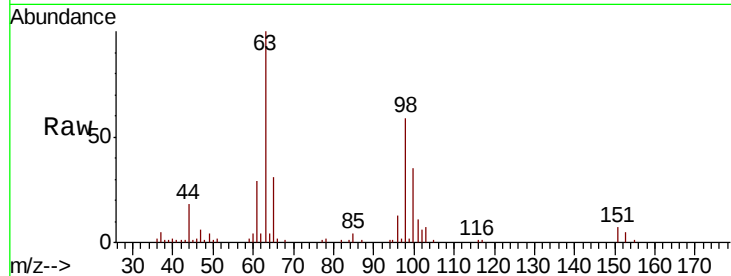
ClientSampleId :

MDL07

Tot Ion:	101	Resp:	3937
Ion Ratio	Lower	Upper	
101	100		
85	37.9	37.4	56.0
151	61.5	58.6	87.8

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#12

1,1-Dichloroethene

Concen: 0.356 ug/L

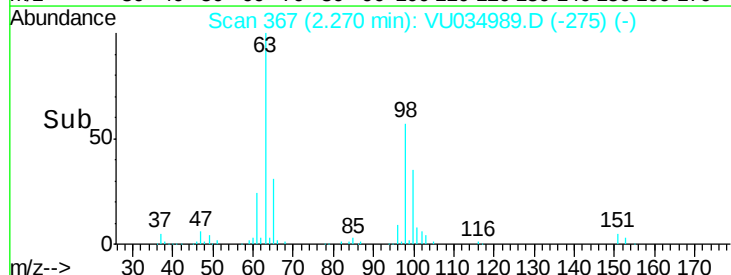
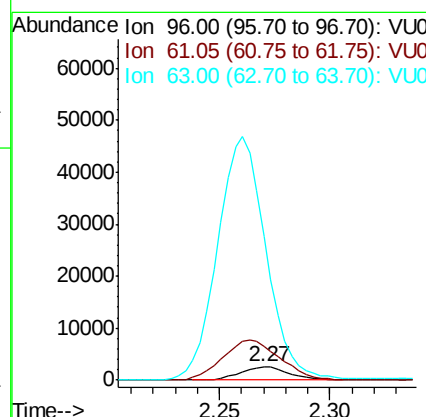
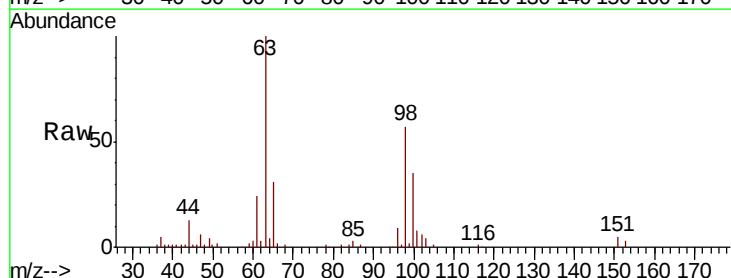
RT: 2.27 min Scan# 367

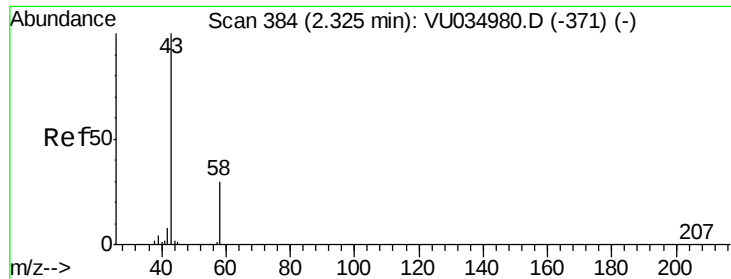
Delta R.T. -0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion:	96	Resp:	3851
Ion Ratio	Lower	Upper	
96	100		
61	258.7	129.3	240.1#
63	1090.2	108.9	202.3#





#13

Acetone

Concen: 3.606 ug/L

RT: 2.33 min Scan# 386

Delta R.T. 0.01 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 8667

Ion Ratio Lower Upper

43 100

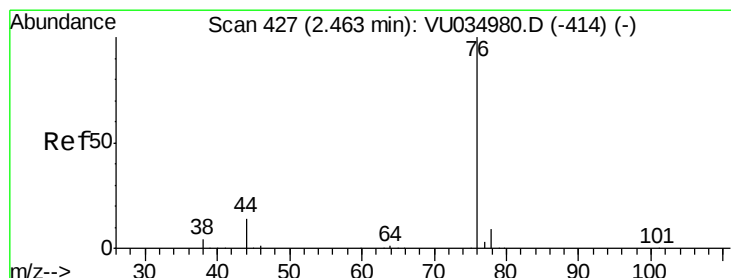
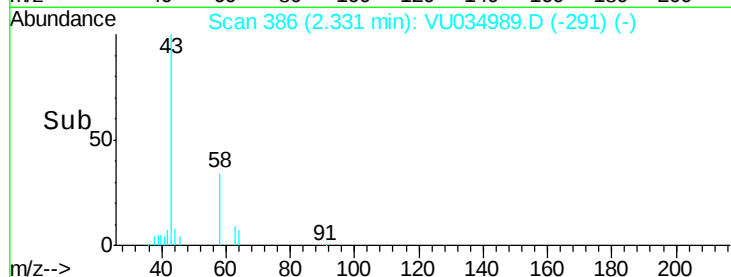
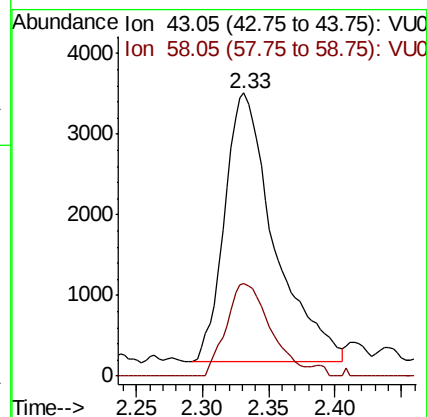
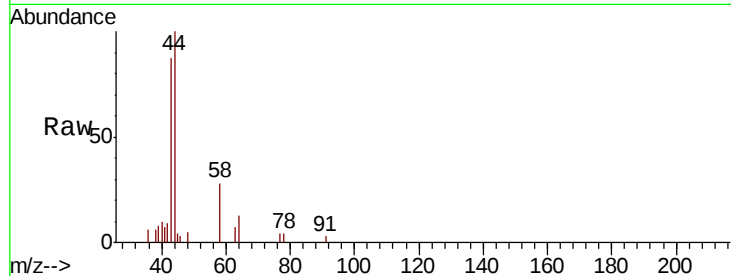
58 30.8 0.0 66.6

Manual Integrations

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10/9/2019 3:48:11 PM



#14

Carbon disulfide

Concen: 0.294 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034989.D

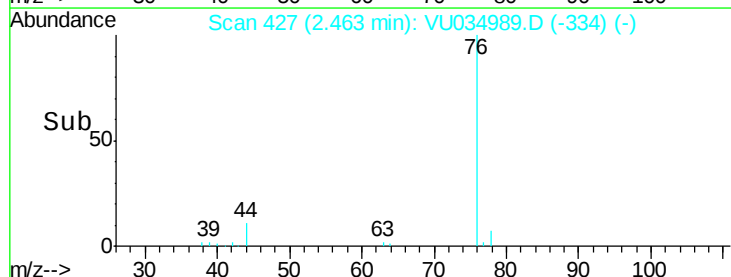
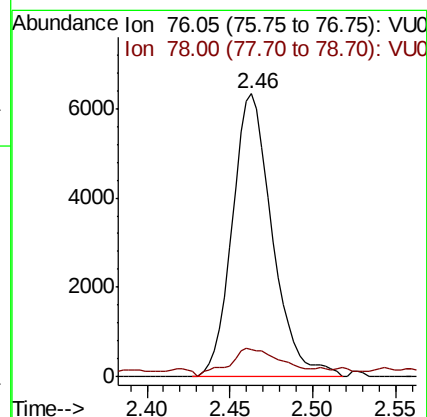
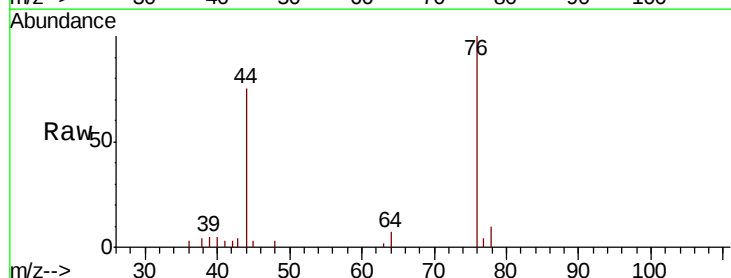
Acq: 08 Oct 2019 13:28

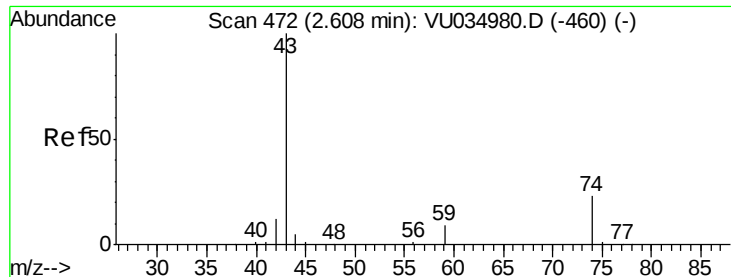
Tgt Ion: 76 Resp: 10606

Ion Ratio Lower Upper

76 100

78 9.7 7.1 10.7





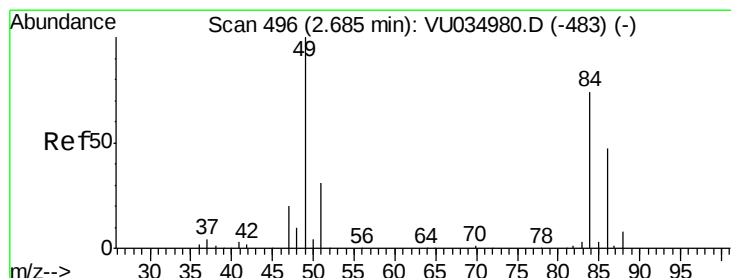
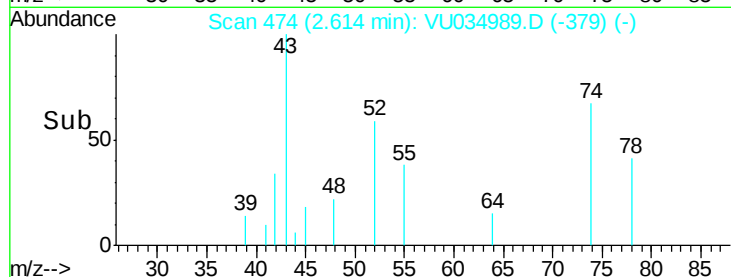
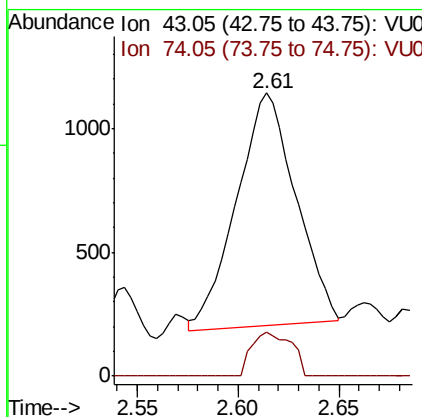
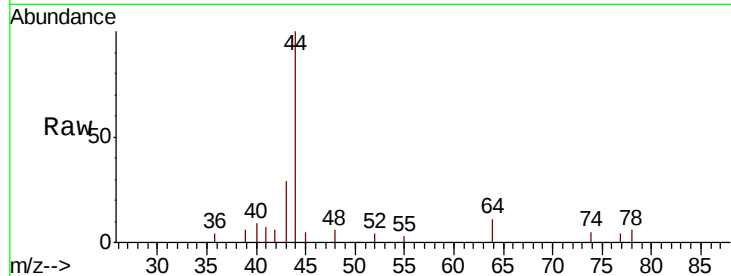
#15
Methyl Acetate
Concen: 0.302 ug/L
RT: 2.61 min Scan# 474
Delta R.T. 0.01 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 43 Resp: 1933
Ion Ratio Lower Upper
43 100
74 12.8 17.8 26.8#

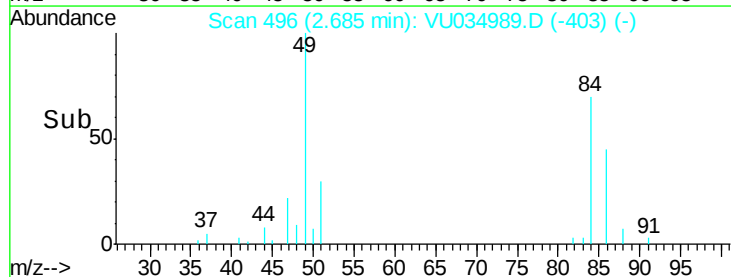
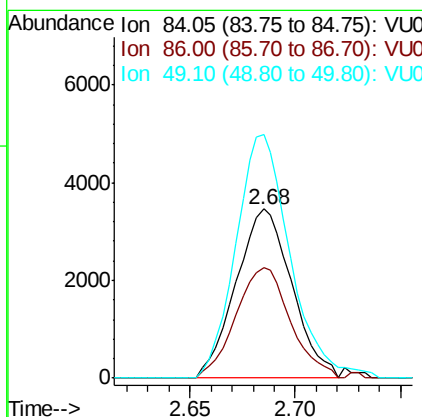
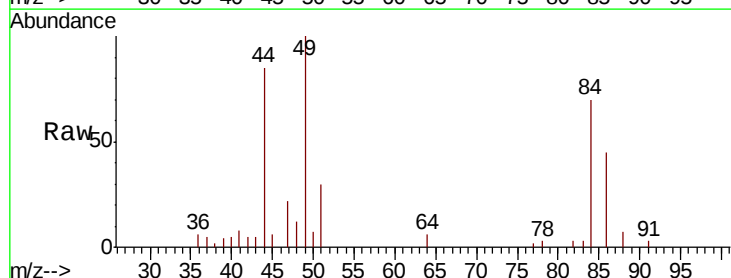
Manual Integrations
APPROVED

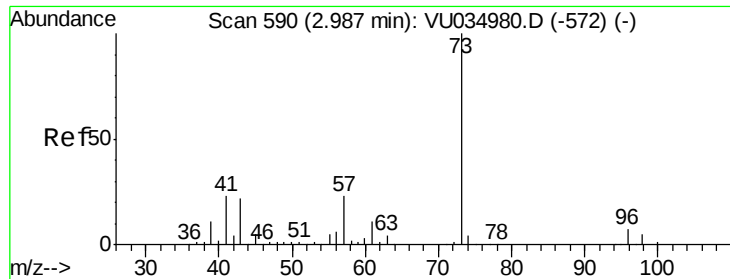
MMDadoda
10/9/2019 3:48:11 PM



#16
Methylene chloride
Concen: 0.474 ug/L
RT: 2.68 min Scan# 496
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion: 84 Resp: 6355
Ion Ratio Lower Upper
84 100
86 65.1 42.5 78.9
49 143.9 86.9 161.3





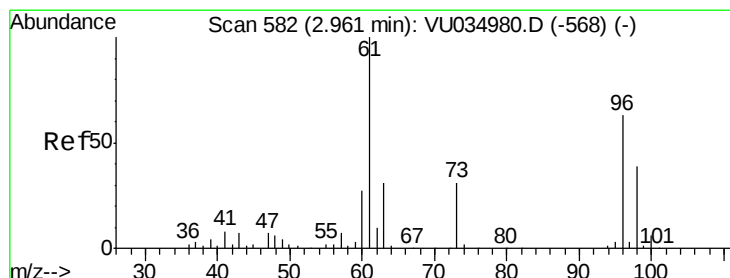
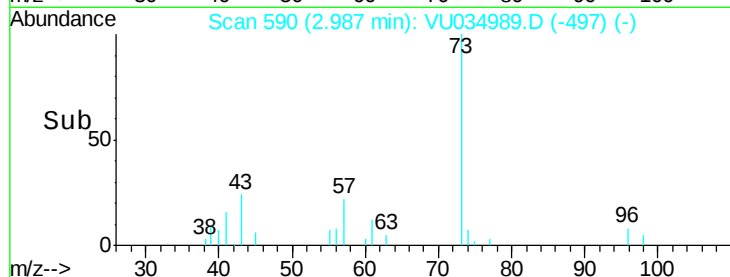
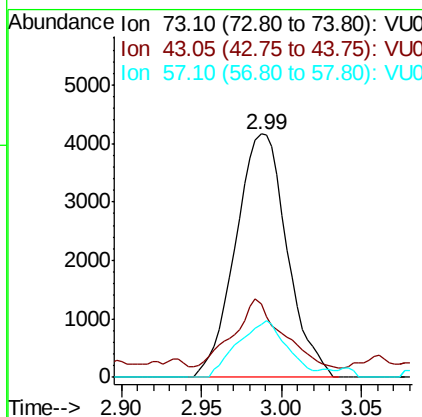
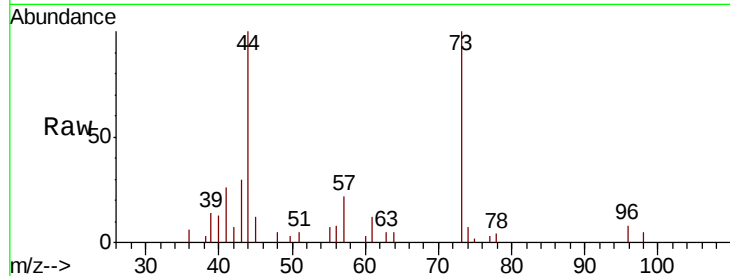
#17
Methvl tert-butvl Ether
Concen: 0.310 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
73	100		
43	26.9	16.3	24.5#
57	22.3	18.6	28.0

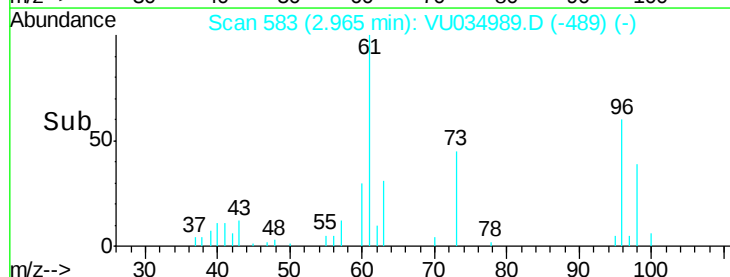
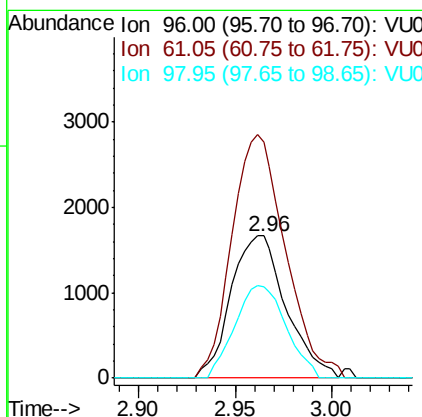
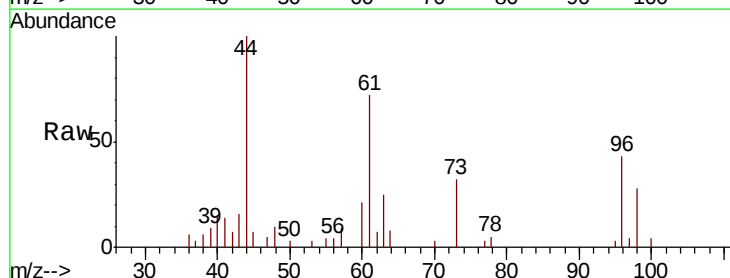
Manual Integrations
APPROVED

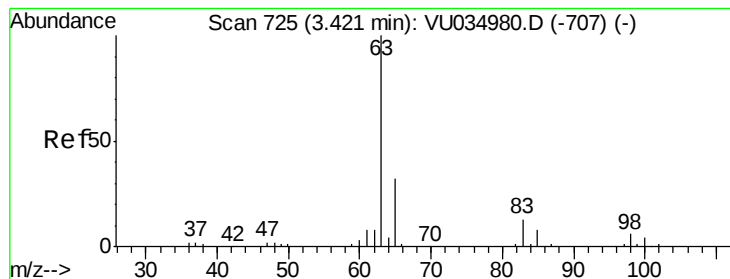
MMDadoda
10/9/2019 3:48:11 PM



#18
trans-1,2-Dichloroethene
Concen: 0.285 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
96	100		
61	165.4	107.1	198.9
98	64.1	45.4	84.4





#19

1,1-Dichloroethane

Concen: 0.302 ug/L

RT: 3.42 min Scan# 726

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

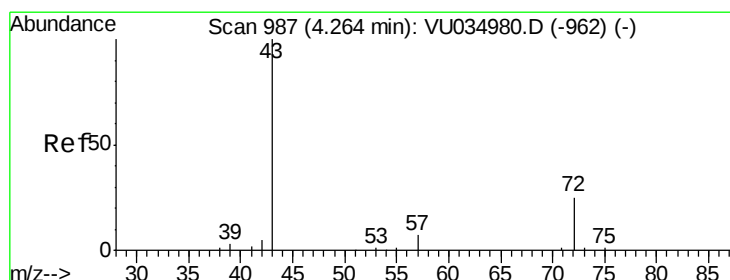
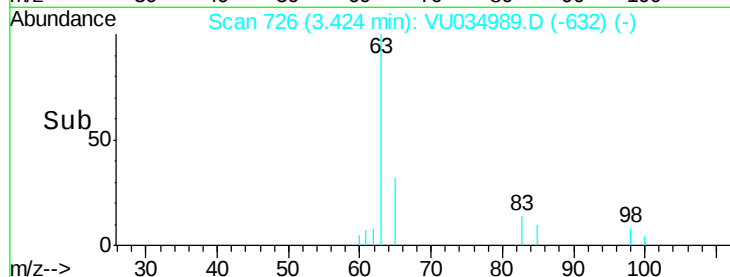
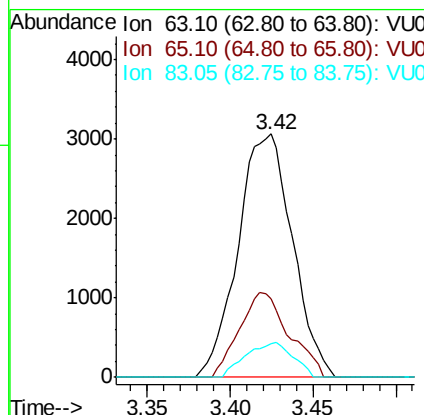
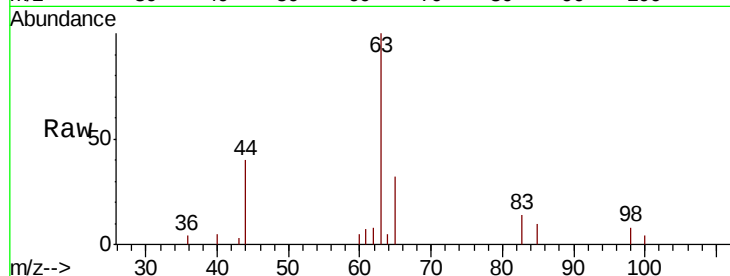
ClientSampleId :

MDL07

Tot Ion:	63	Resp:	6969
Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.7	40.3
83	13.9	9.0	16.8

Manual Integrations
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10/9/2019 3:48:11 PM



#21

2-Butanone

Concen: 2.823 ug/L m

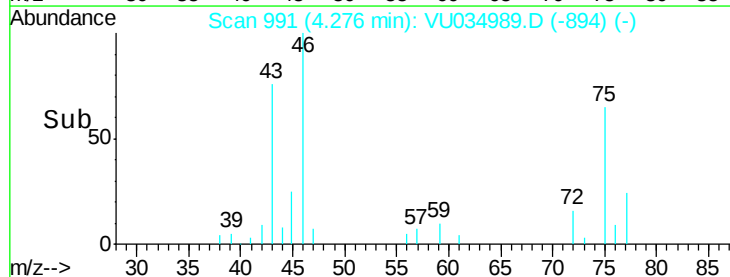
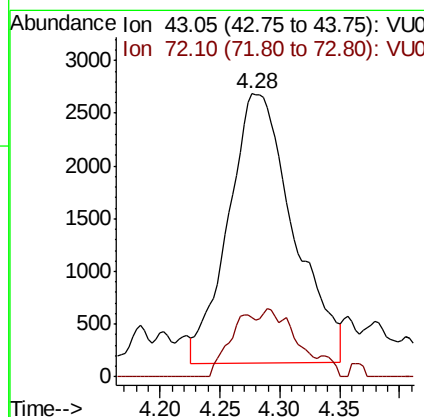
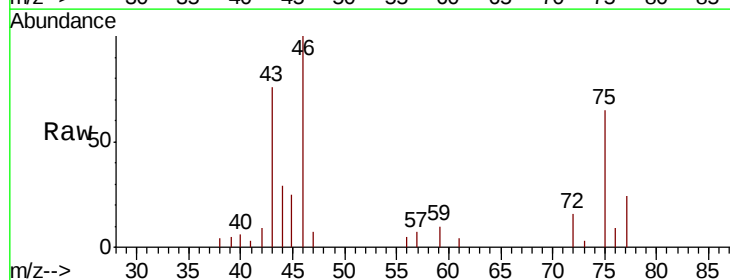
RT: 4.28 min Scan# 991

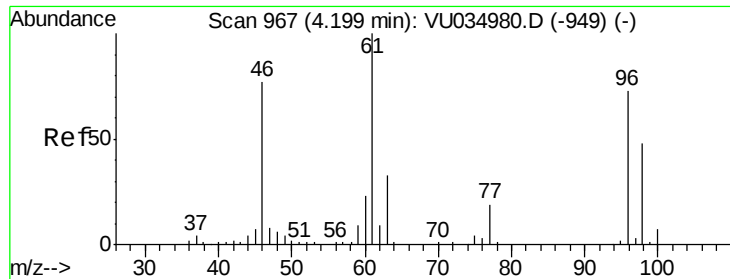
Delta R.T. 0.01 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion:	43	Resp:	9660
Ion	Ratio	Lower	Upper
43	100		
72	1.0	13.5	40.4#





#22

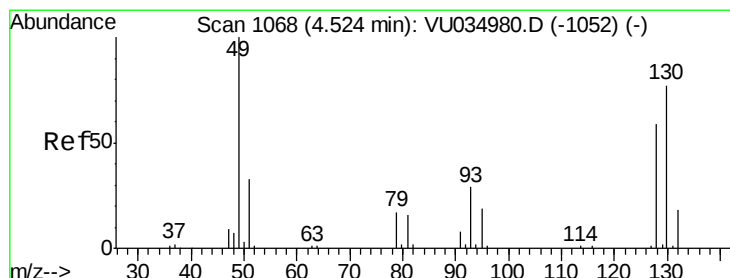
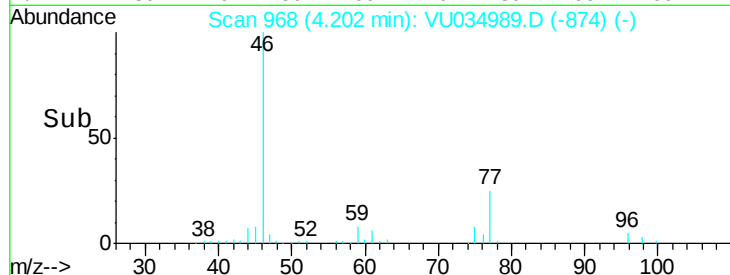
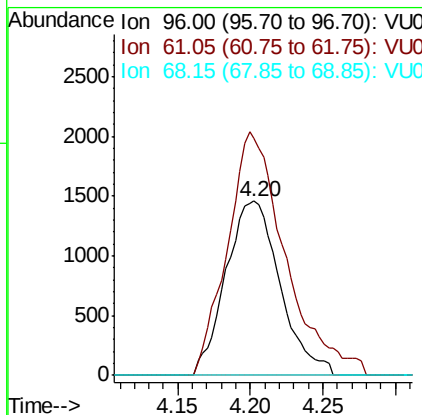
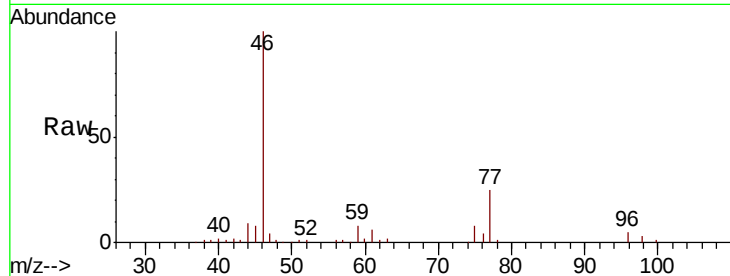
cis-1,2-Dichloroethene
Concen: 0.292 ug/L
RT: 4.20 min Scan# 968
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 96 Resp: 3779
Ion Ratio Lower Upper
96 100
61 136.4 89.2 165.6
68 0.0 0.0 0.0

Manual Integrations
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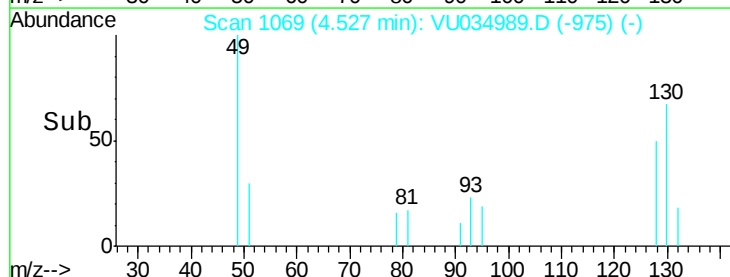
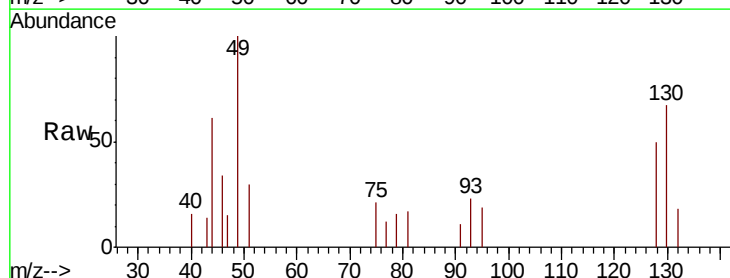
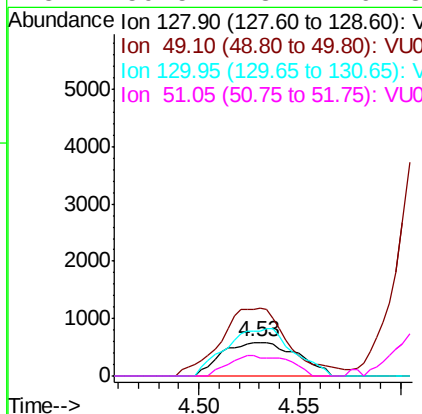
MMDadoda
10/9/2019 3:48:11 PM

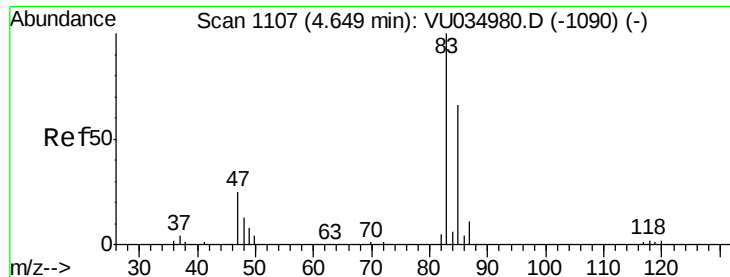


#23

Bromochloromethane
Concen: 0.278 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion: 128 Resp: 1509
Ion Ratio Lower Upper
128 100
49 199.7 110.5 205.3
130 134.2 88.6 164.6
51 59.5 43.2 64.8





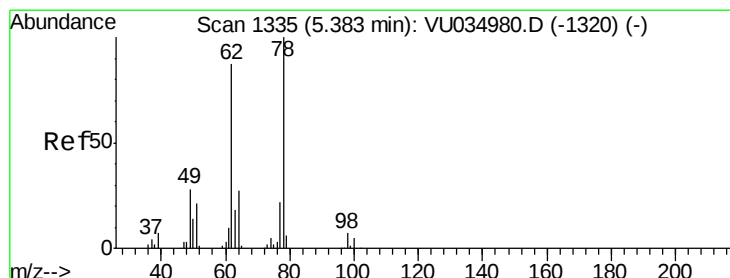
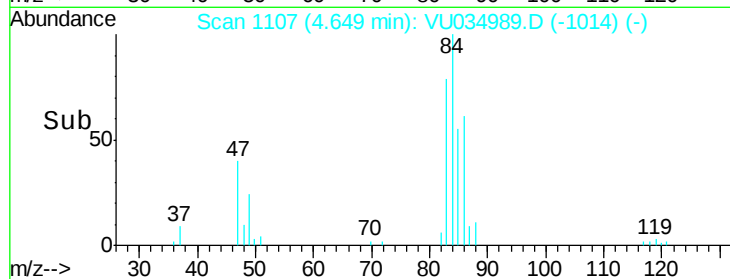
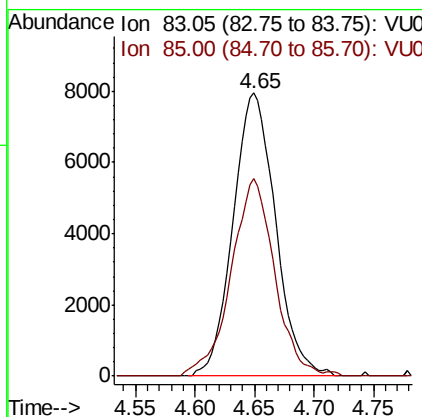
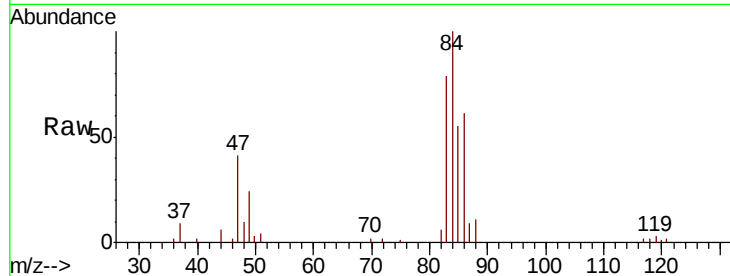
#25
Chloroform
Concen: 0.759 ug/L
RT: 4.65 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	83	Resp	19663
Ion Ratio	100	Lower	Upper
85	69.7	45.4	84.4

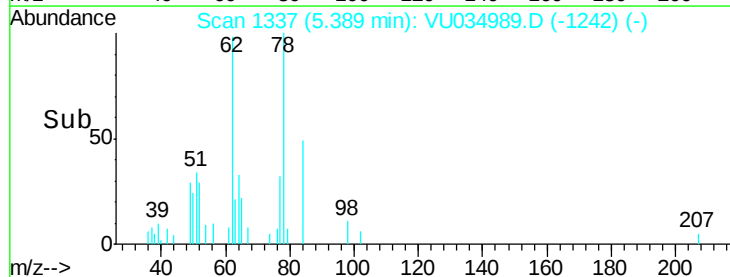
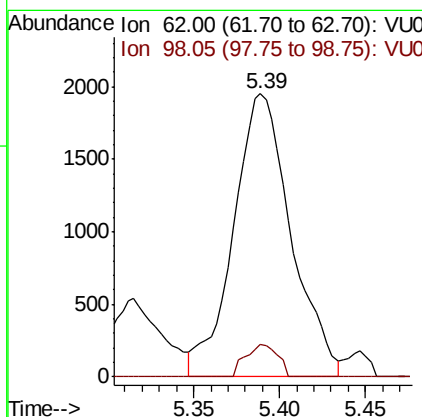
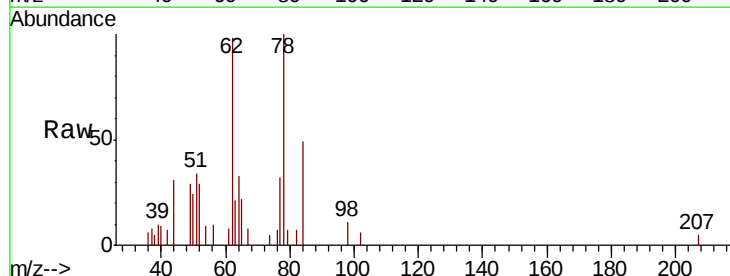
Manual Integrations
APPROVED

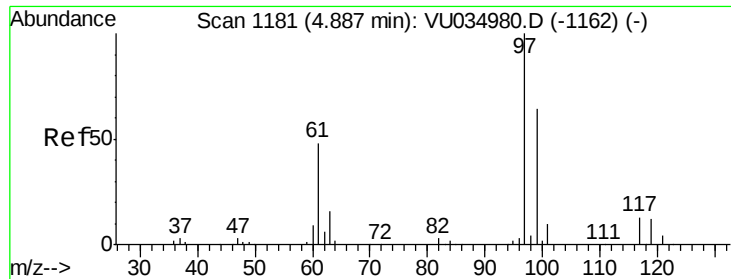
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10/9/2019 3:48:11 PM



#27
1,2-Dichloroethane
Concen: 0.301 ug/L
RT: 5.39 min Scan# 1337
Delta R.T. 0.01 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion	62	Resp	4546
Ion Ratio	100	Lower	Upper
98	11.3	6.6	10.0#





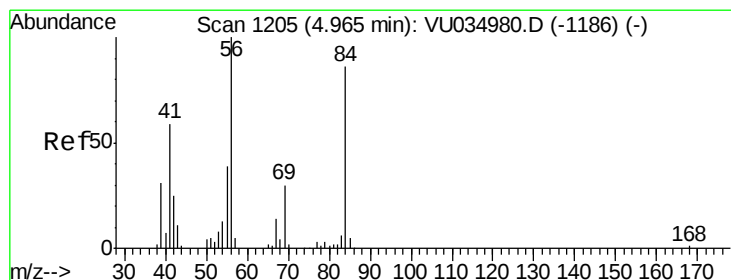
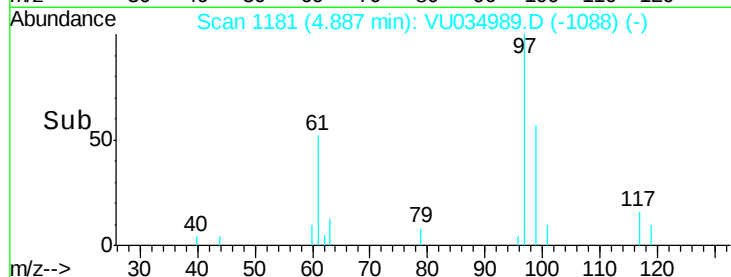
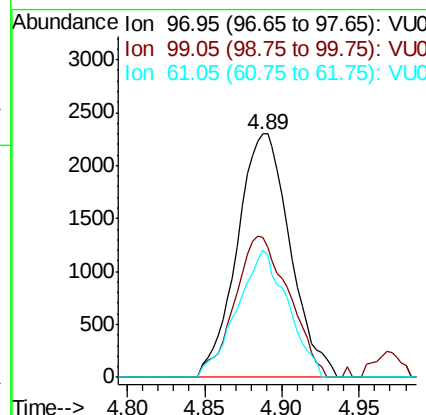
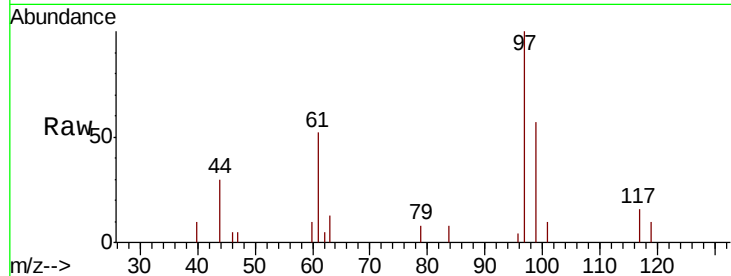
#29
 1,1,1-Trichloroethane
 Concen: 0.283 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	59.1	51.6	77.4
61	49.9	36.2	54.4

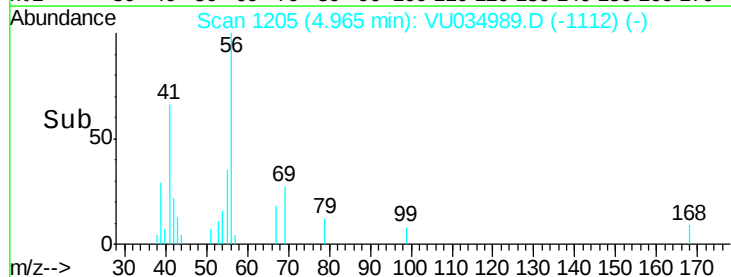
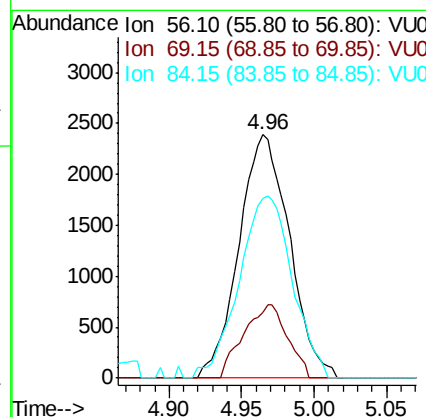
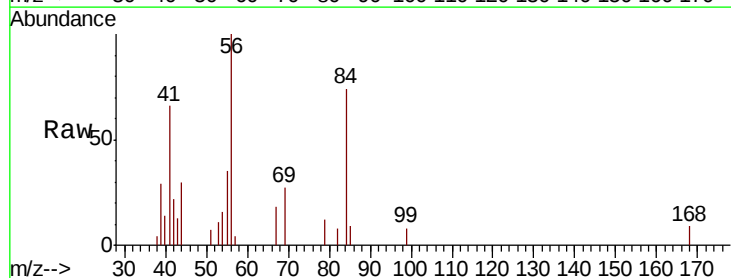
Manual Integrations
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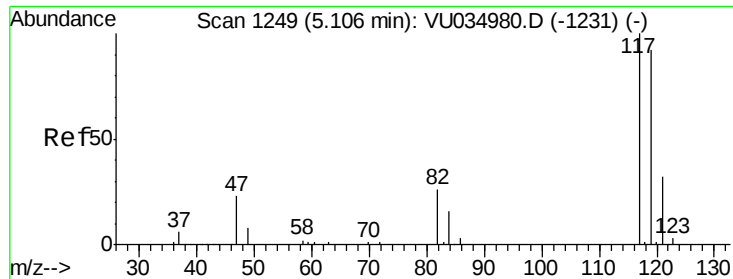
MMDadoda
 10/9/2019 3:48:11 PM



#30
 Cyclohexane
 Concen: 0.272 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	26.2	23.9	35.9
84	78.6	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.277 ug/L

RT: 5.11 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion:117 Resp: 4644

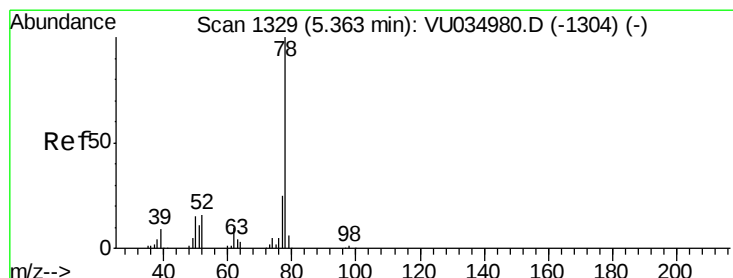
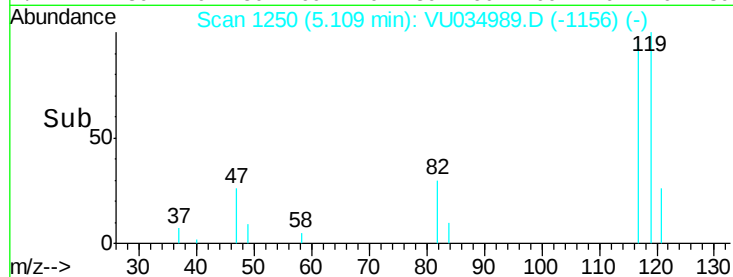
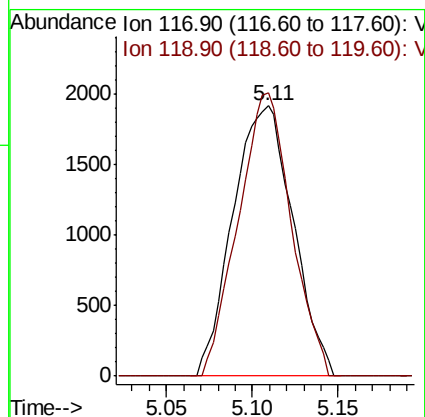
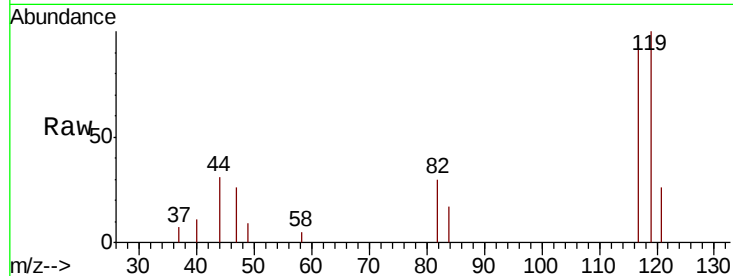
Ion Ratio Lower Upper

117 100

119 92.3 77.5 116.3

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10/9/2019 3:48:11 PM



#33

Benzene

Concen: 0.283 ug/L m

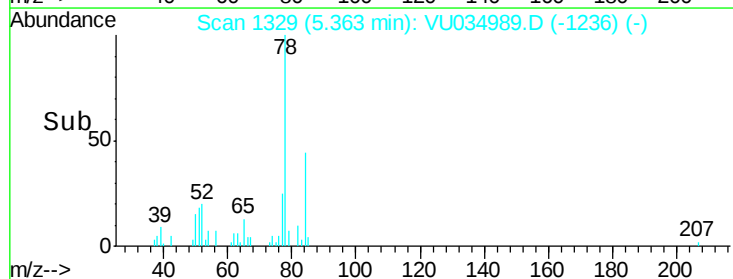
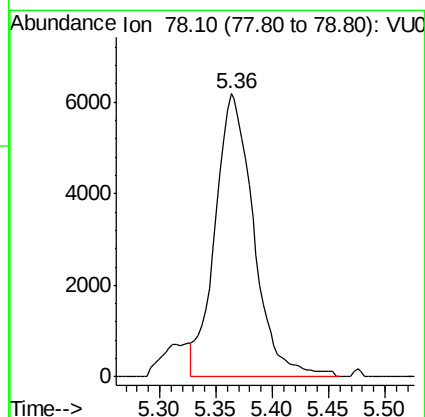
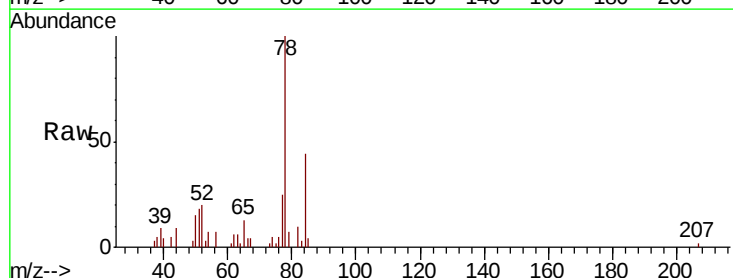
RT: 5.36 min Scan# 1329

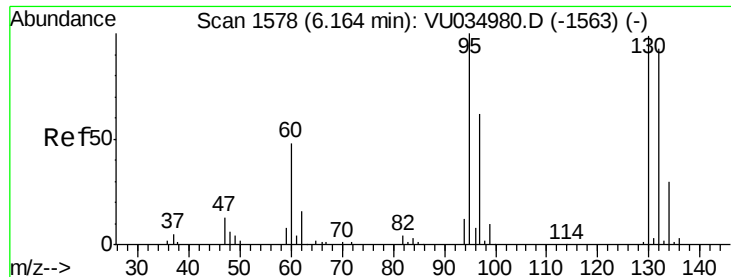
Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion: 78 Resp: 14695





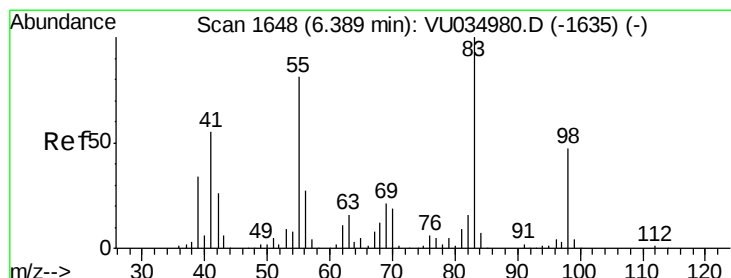
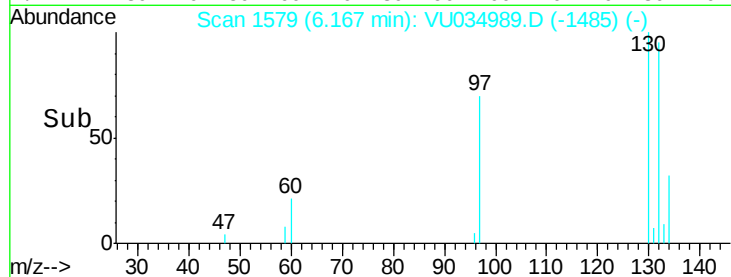
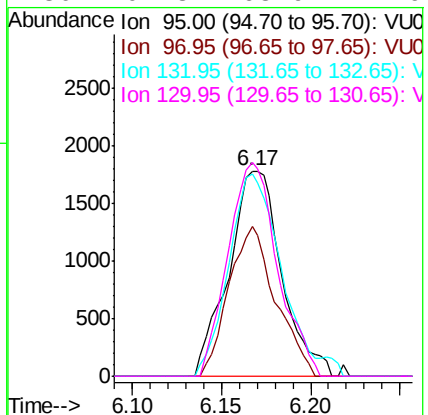
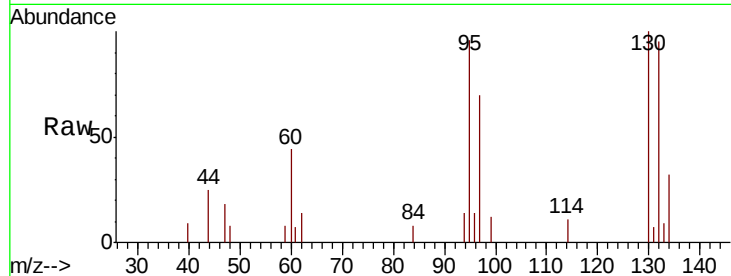
#34
 Trichloroethene
 Concen: 0.277 ug/L
 RT: 6.17 min Scan# 1579
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
95	100		
97	73.3	44.5	82.7
132	99.0	66.6	123.8
130	104.3	68.9	127.9

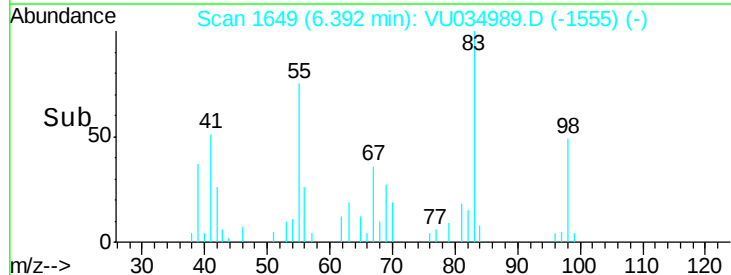
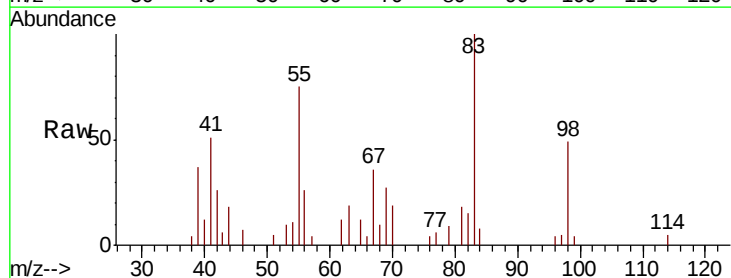
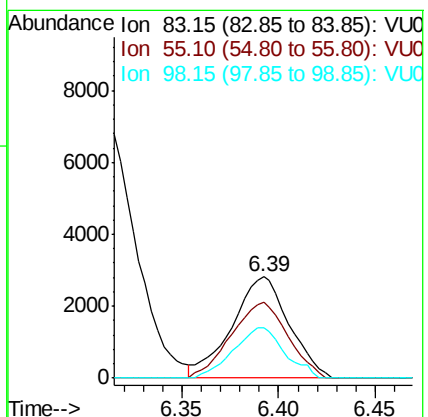
Manual Integrations
 APPROVED

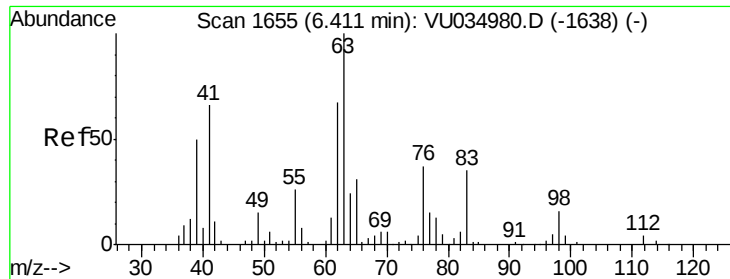
MMDadoda
 10/9/2019 3:48:11 PM



#35
 Methylcyclohexane
 Concen: 0.266 ug/L
 RT: 6.39 min Scan# 1649
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.4	62.6	94.0
98	44.7	36.2	54.2





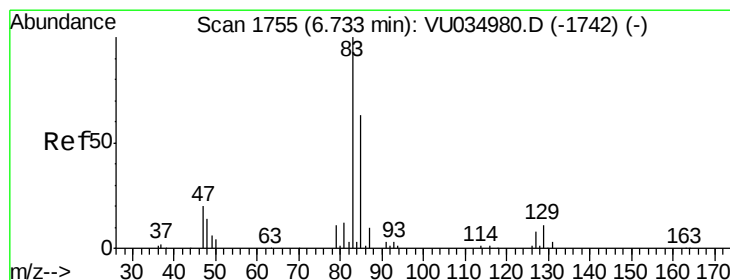
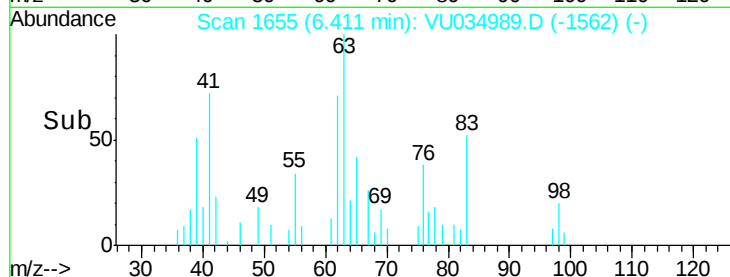
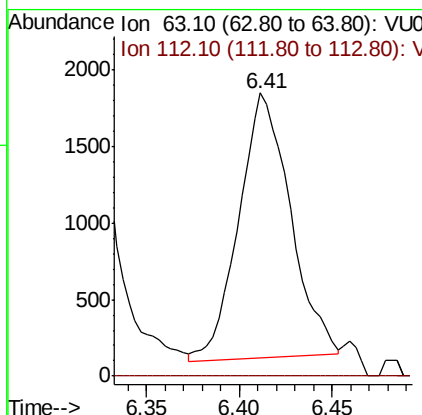
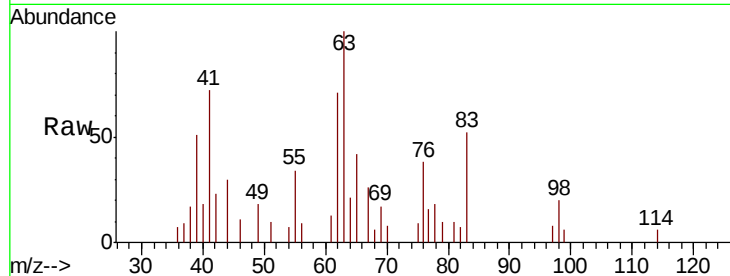
#37
 1,2-Dichloropropane
 Concen: 0.238 ug/L
 RT: 6.41 min Scan# 1655
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 63 Resp: 3332
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#

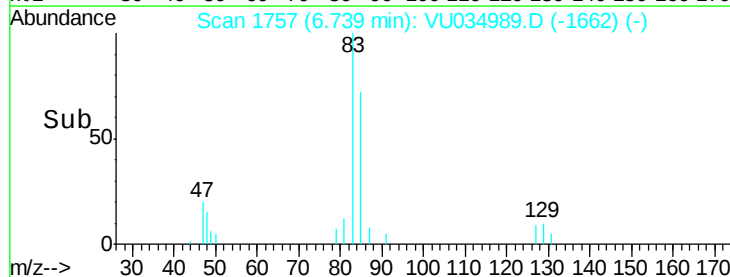
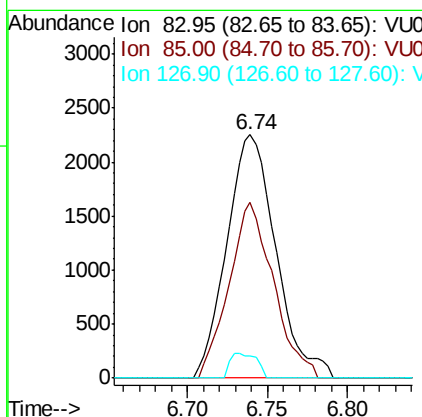
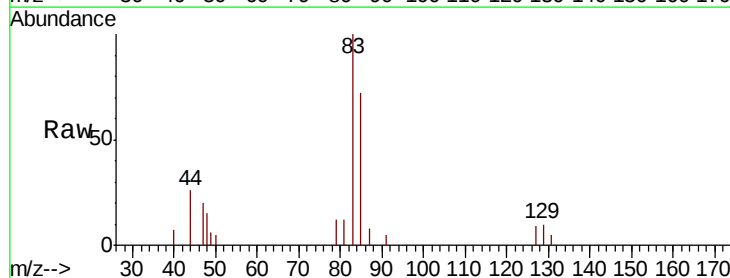
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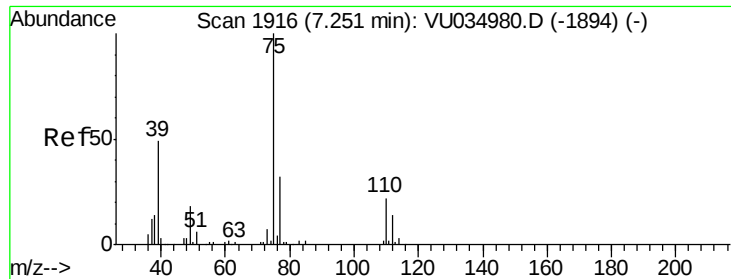
MMDadoda
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#38
 Bromodichloromethane
 Concen: 0.288 ug/L
 RT: 6.74 min Scan# 1757
 Delta R.T. 0.01 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Tgt Ion: 83 Resp: 4719
 Ion Ratio Lower Upper
 83 100
 85 72.1 44.0 81.8
 127 9.2 7.0 10.4





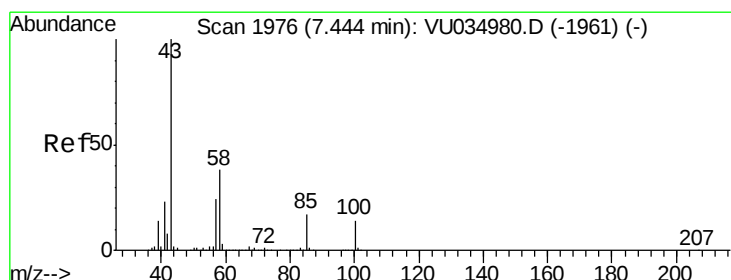
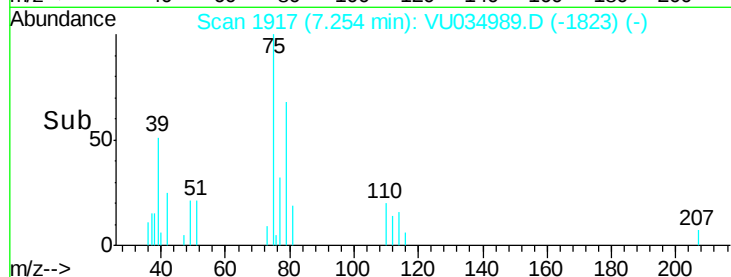
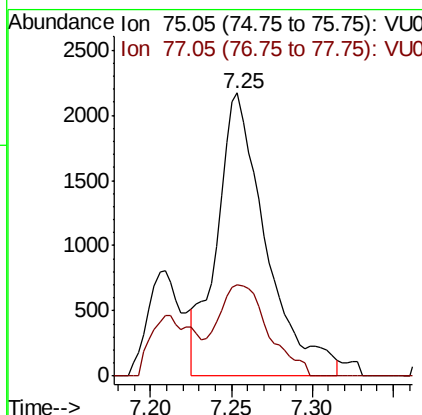
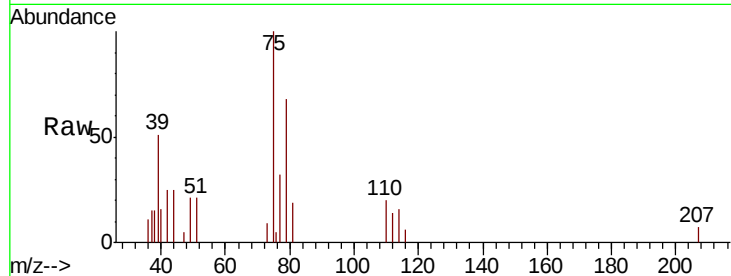
#39
 cis-1,3-Dichloropropene
 Concen: 0.240 ug/L m
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion: 75 Resp: 4541
 Ion Ratio Lower Upper
 75 100
 77 32.4 22.1 41.1

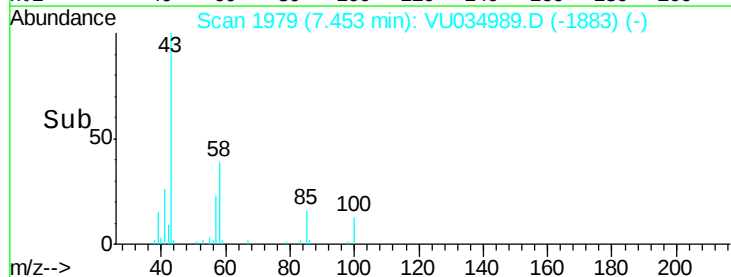
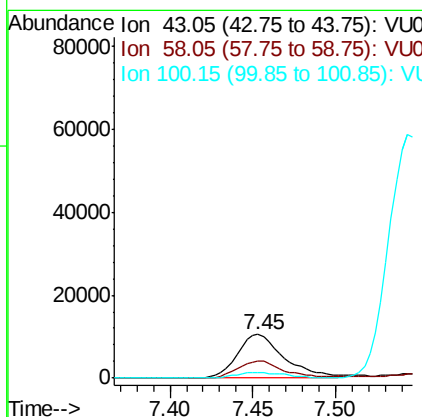
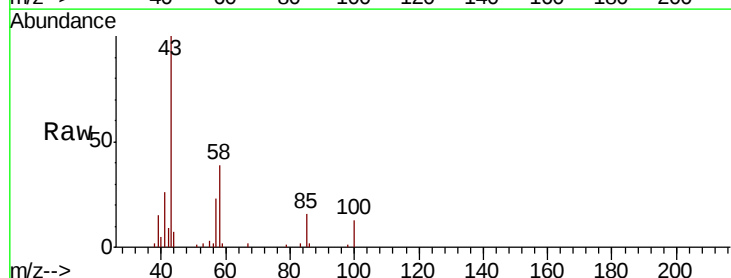
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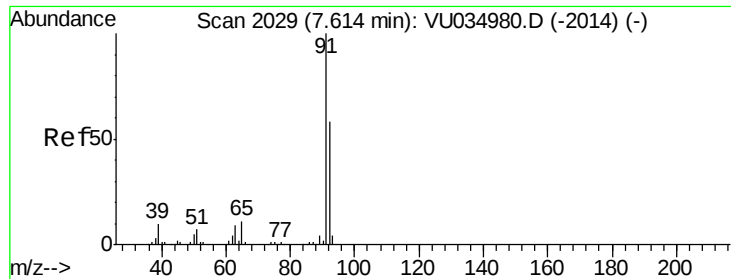
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.359 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Tgt Ion: 43 Resp: 20773
 Ion Ratio Lower Upper
 43 100
 58 38.1 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.263 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 91 Resp: 14217

Ion Ratio Lower Upper

91 100

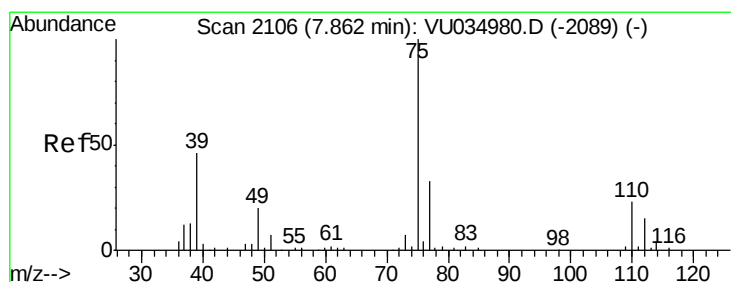
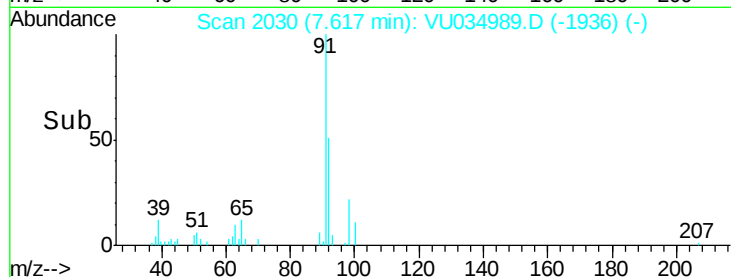
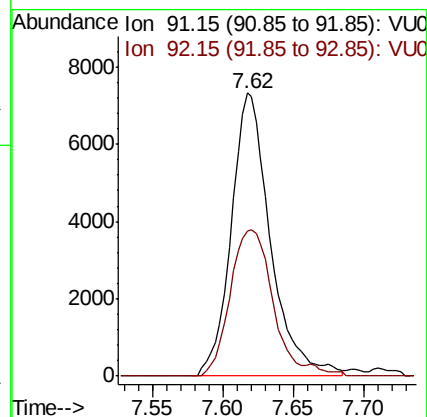
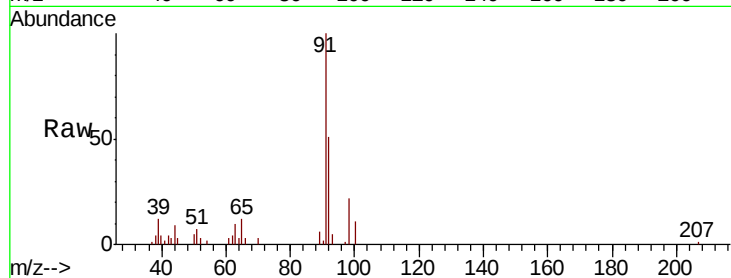
92 51.4 40.0 74.2

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#44

trans-1,3-Dichloropropene

Concen: 0.251 ug/L m

RT: 7.87 min Scan# 2108

Delta R.T. 0.01 min

Lab File: VU034989.D

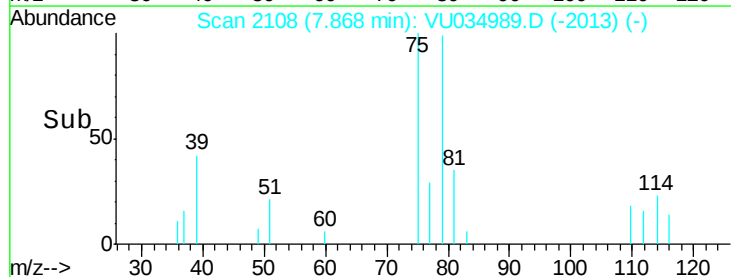
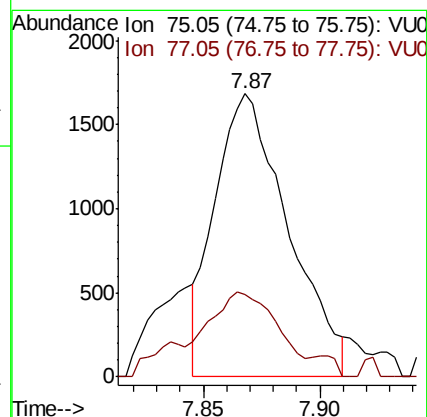
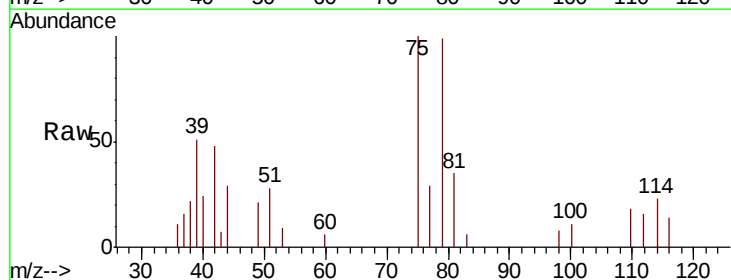
Acq: 08 Oct 2019 13:28

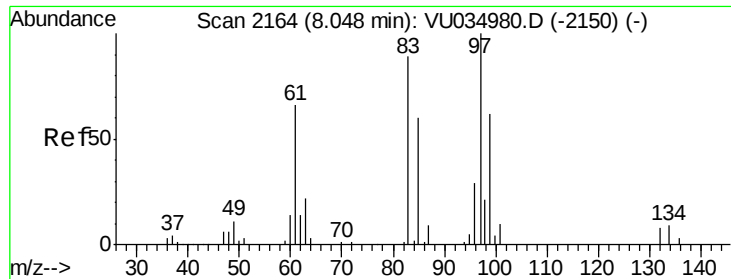
Tgt Ion: 75 Resp: 3688

Ion Ratio Lower Upper

75 100

77 29.2 21.6 40.0





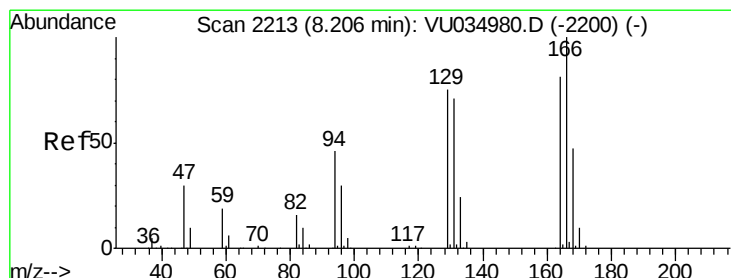
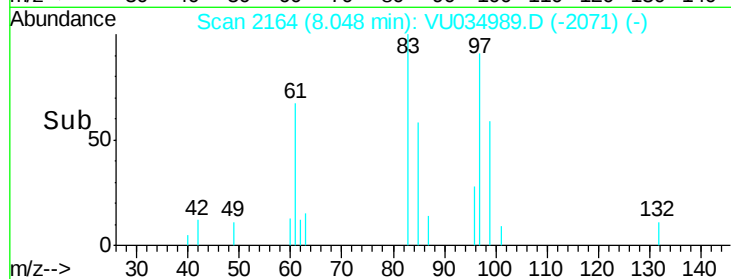
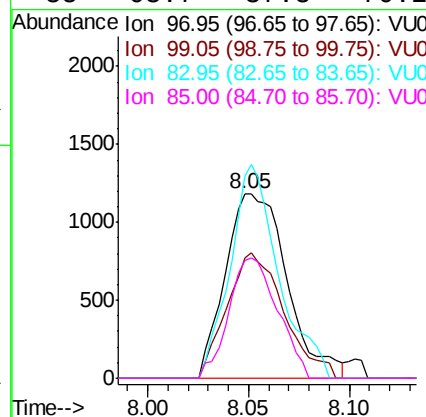
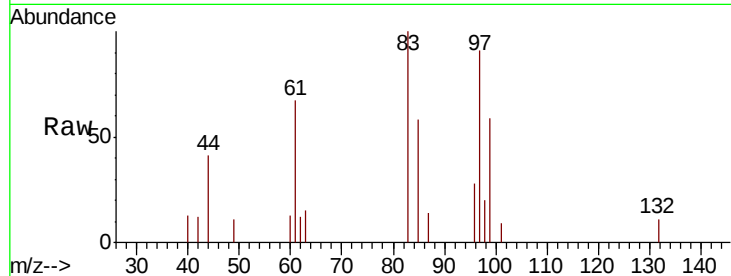
#45
 1,1,2-Trichloroethane
 Concen: 0.272 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.8	42.3	78.5
83	109.5	58.0	107.6
85	63.7	37.8	70.2

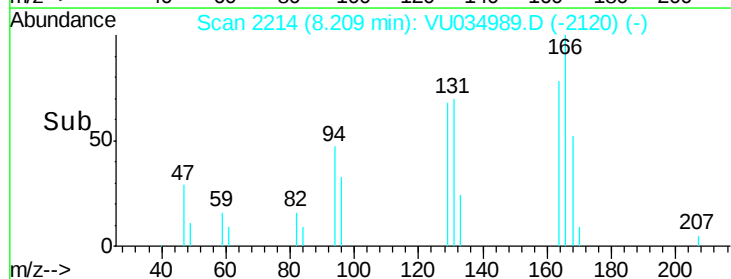
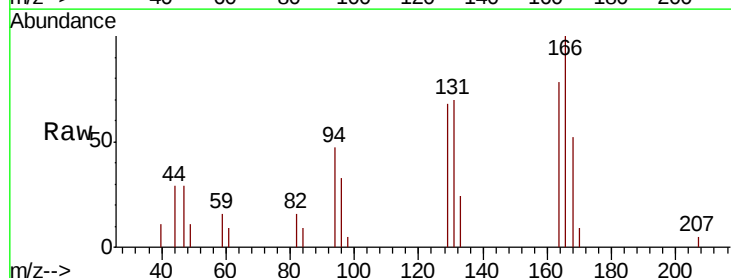
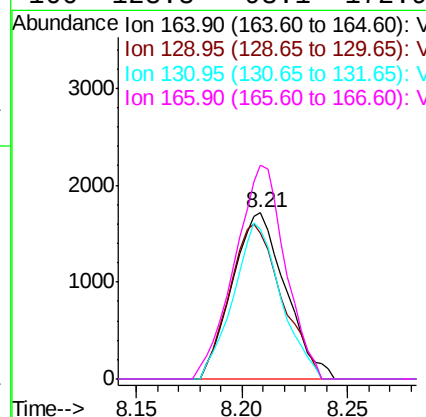
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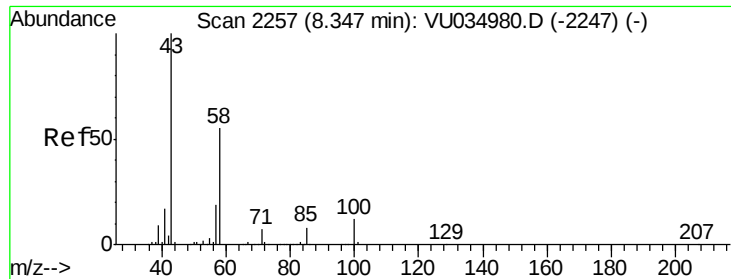
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#47
 Tetrachloroethene
 Concen: 0.278 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034989.D
 Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
164	100		
129	88.2	68.5	127.1
131	90.7	67.3	124.9
166	128.8	93.1	172.9





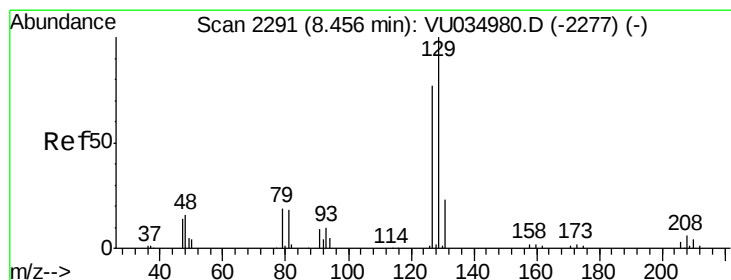
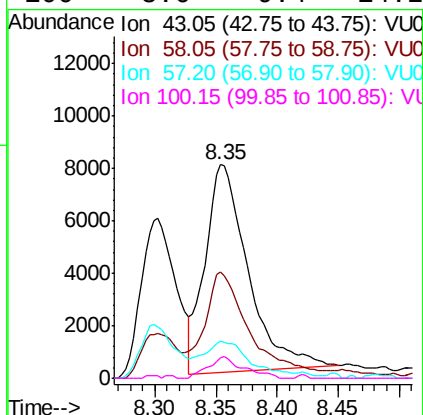
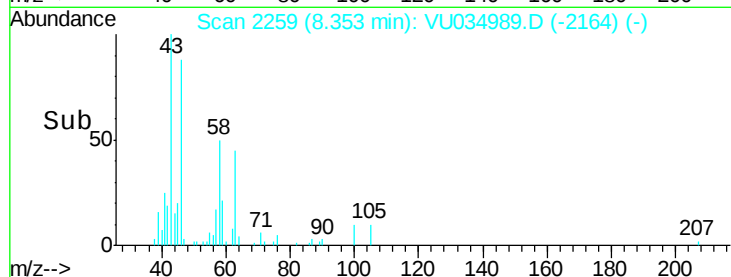
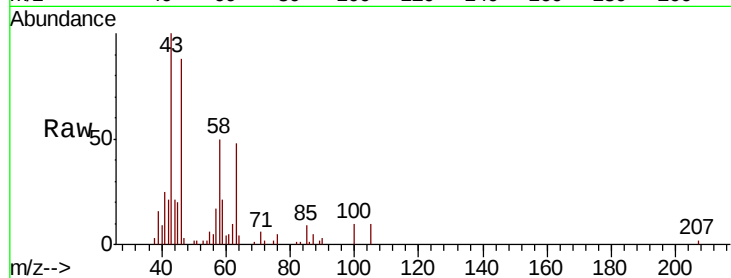
#48
2-Hexanone
Concen: 3.213 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.2	44.1	66.1
57	19.5	15.8	23.8
100	8.6	9.4	14.2

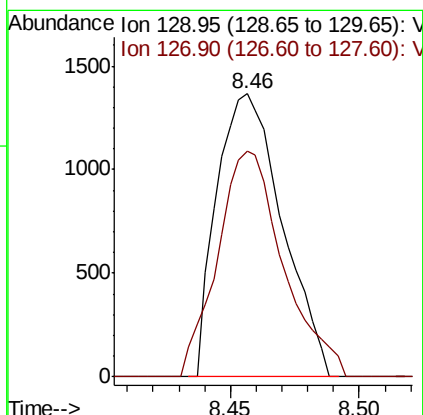
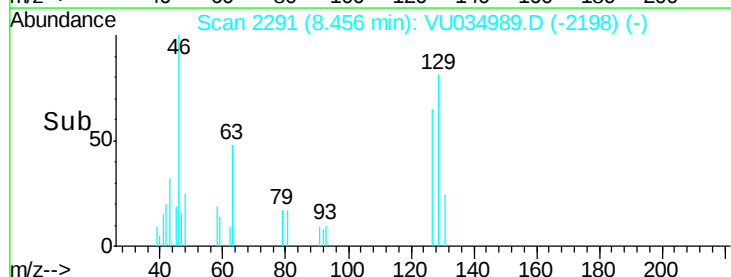
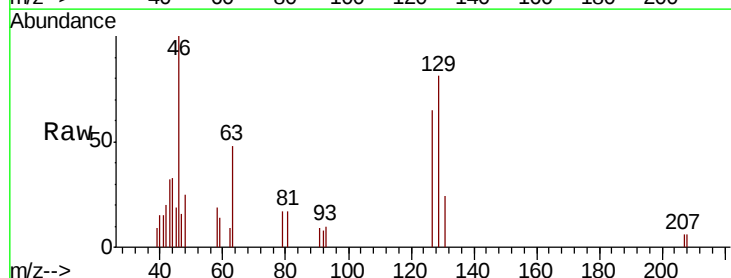
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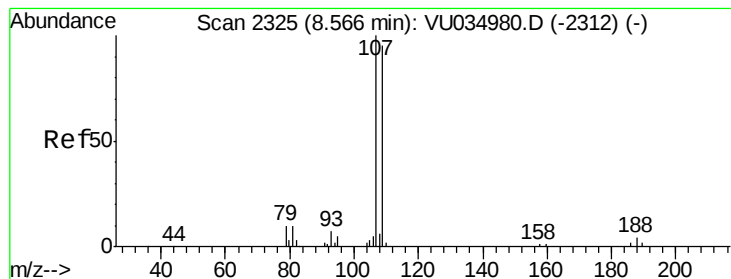
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#49
Dibromochloromethane
Concen: 0.225 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.6	51.9	96.5





#50

1,2-Dibromoethane

Concen: 0.256 ug/L

RT: 8.57 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

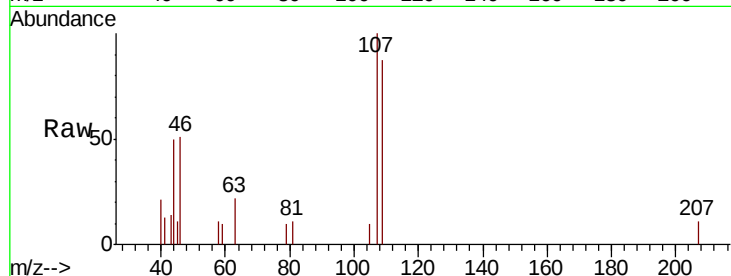
ClientSampleId :

MDL07

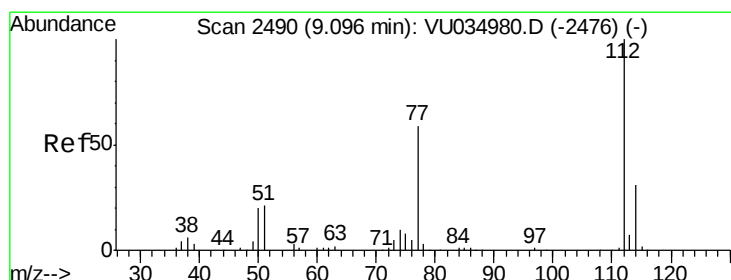
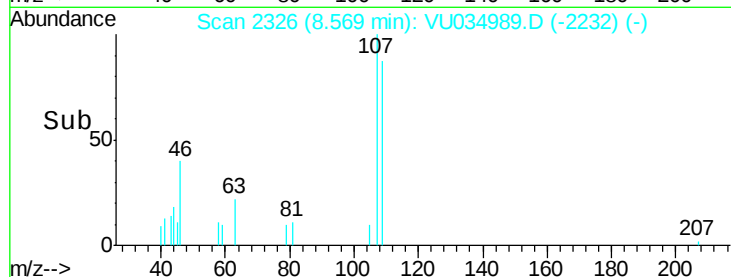
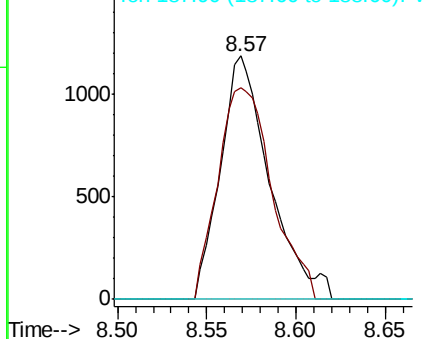
Tot Ion:	107	Resp:	2273
Ion Ratio	Lower	Upper	
107	100		
109	86.8	64.8	120.4
188	0.0	3.0	4.6#

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Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.267 ug/L

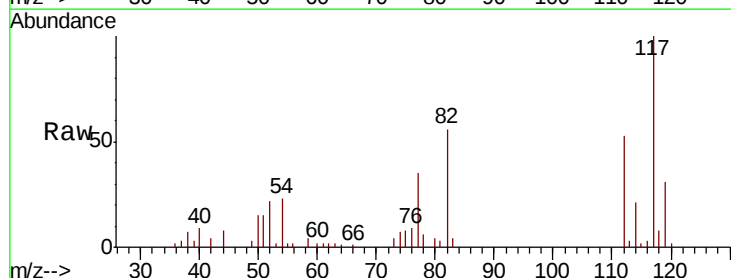
RT: 9.10 min Scan# 2491

Delta R.T. 0.00 min

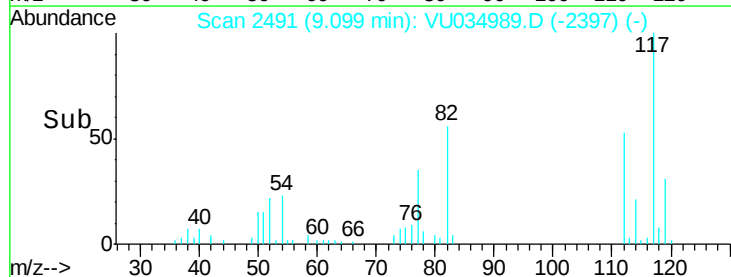
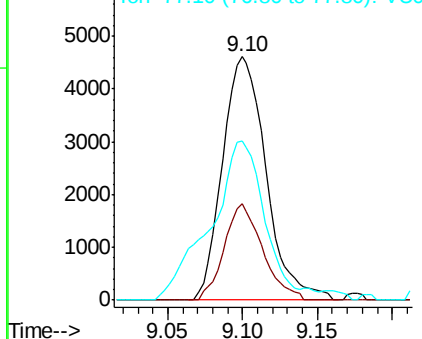
Lab File: VU034989.D

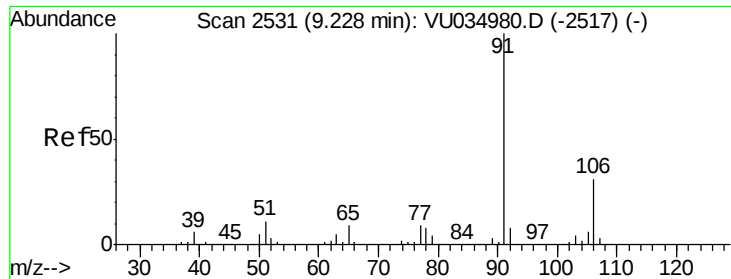
Acq: 08 Oct 2019 13:28

Tgt Ion:	112	Resp:	9355
Ion Ratio	Lower	Upper	
112	100		
114	39.6	22.1	41.1
77	65.4	46.9	70.3



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.264 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 91 Resp: 15772

Ion Ratio Lower Upper

91 100

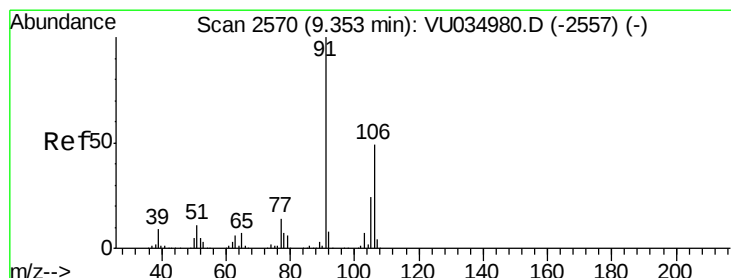
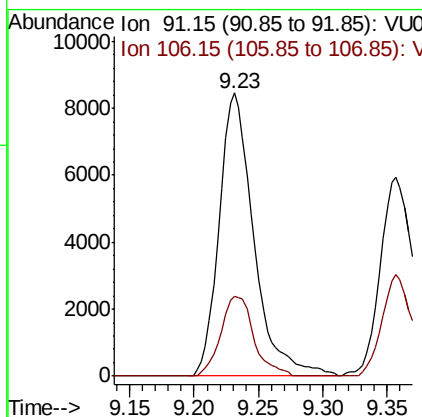
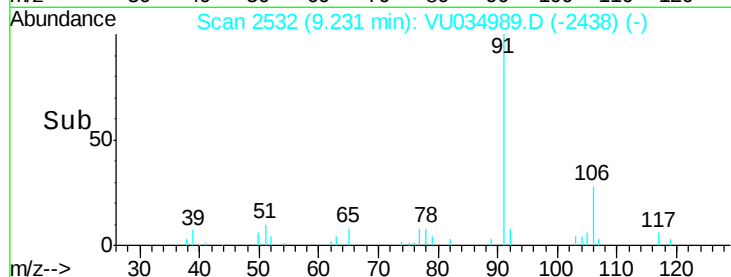
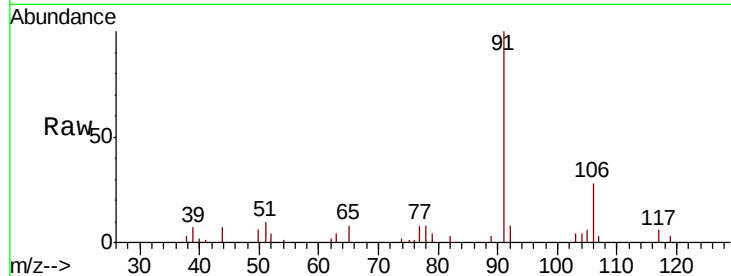
106 28.1 21.6 40.2

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#53

m,p-Xylene

Concen: 0.239 ug/L

RT: 9.36 min Scan# 2571

Delta R.T. 0.00 min

Lab File: VU034989.D

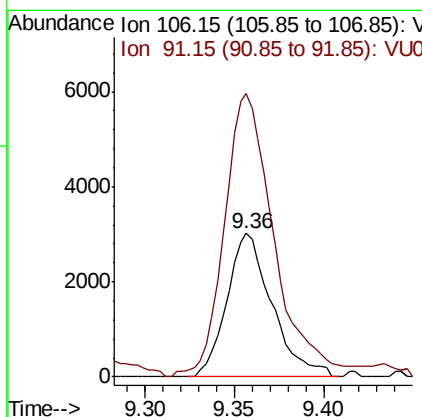
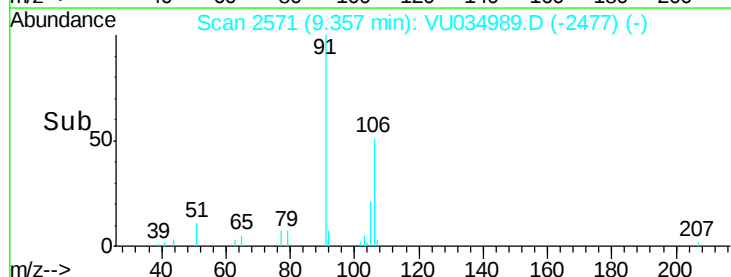
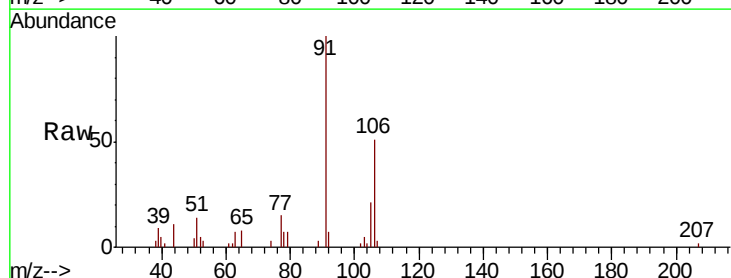
Acq: 08 Oct 2019 13:28

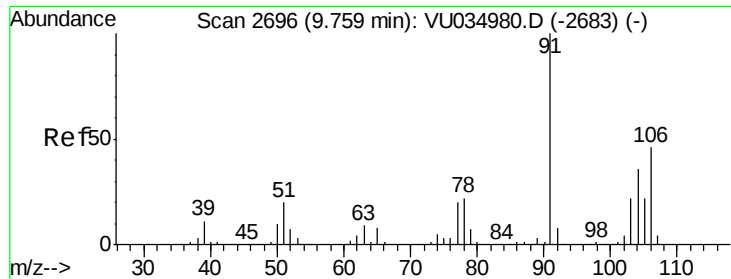
Tgt Ion: 106 Resp: 5282

Ion Ratio Lower Upper

106 100

91 196.9 147.6 274.0





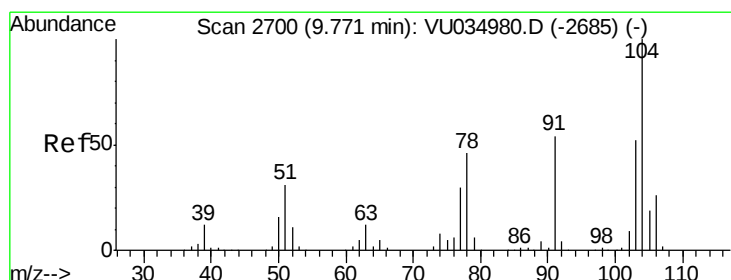
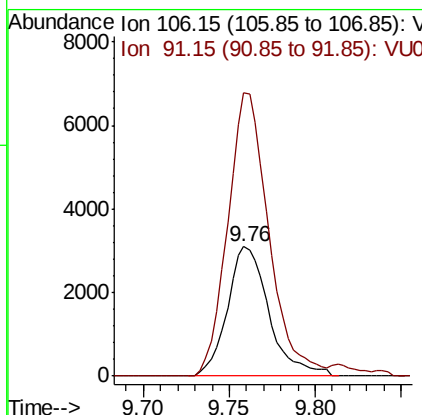
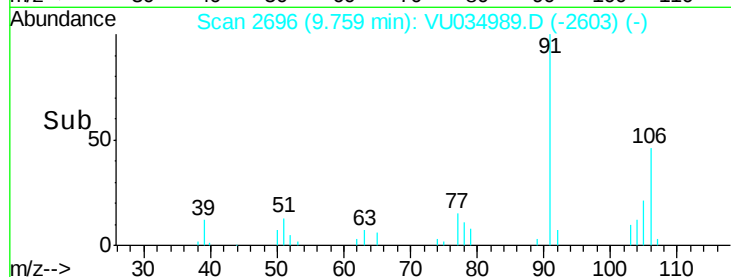
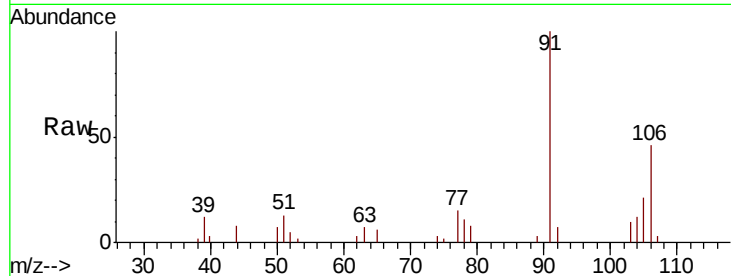
#54
o-Xylene
Concen: 0.242 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion:106 Resp: 5225
Ion Ratio Lower Upper
106 100
91 218.6 148.5 275.7

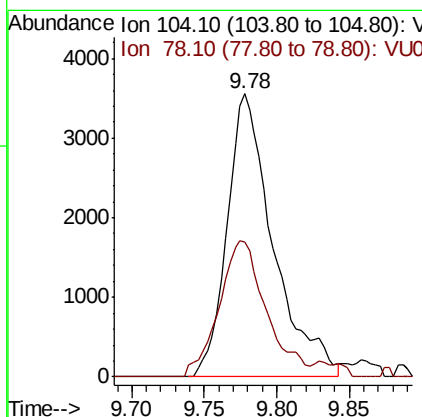
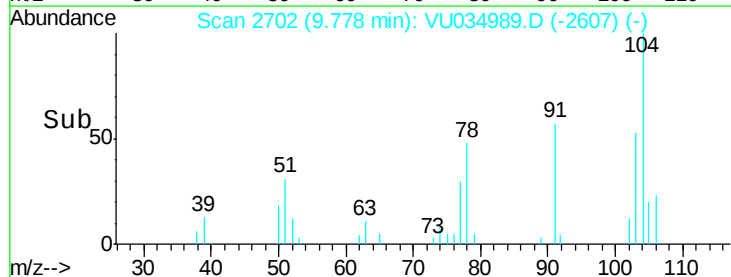
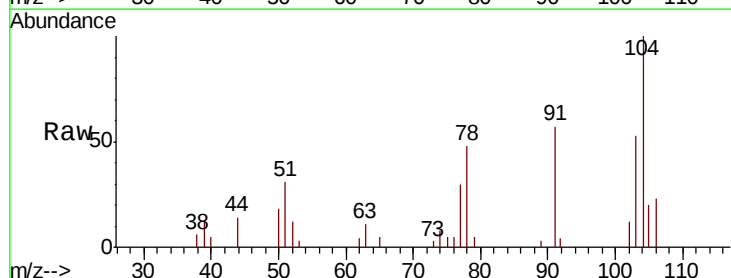
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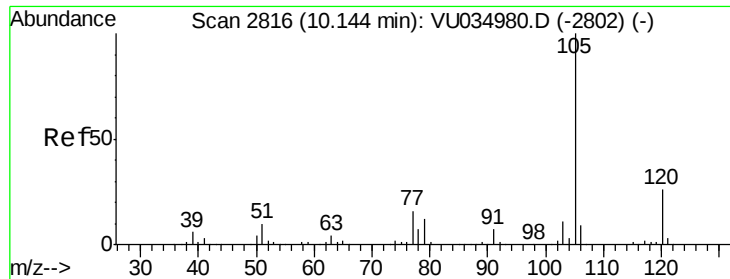
MMDadoda
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#55
Styrene
Concen: 0.224 ug/L
RT: 9.78 min Scan# 2702
Delta R.T. 0.01 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion:104 Resp: 7843
Ion Ratio Lower Upper
104 100
78 47.7 32.8 60.8





#56

Isopropylbenzene

Concen: 0.249 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

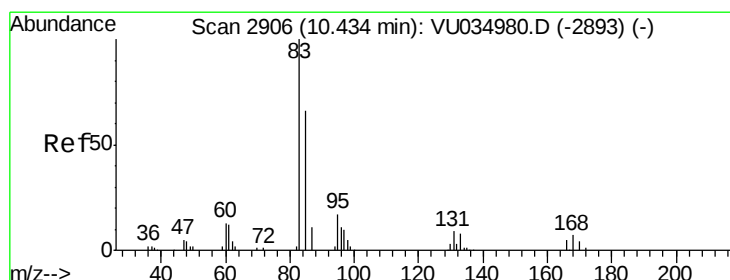
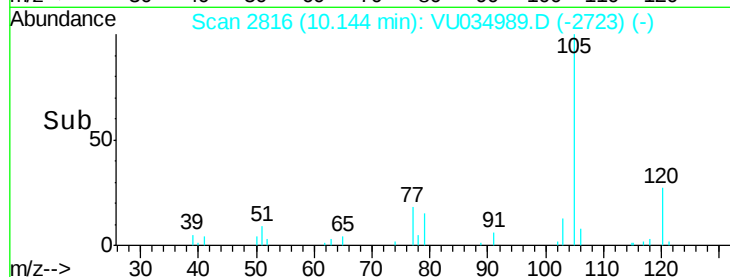
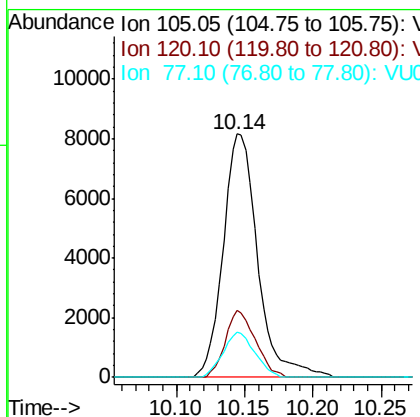
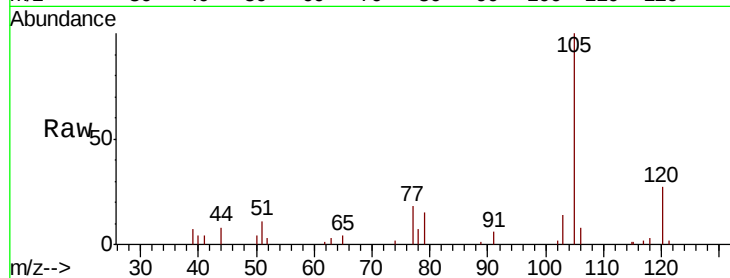
ClientSampled :

MDL07

Tot Ion:	105	Resp:	14355
Ion Ratio	Lower	Upper	
105	100		
120	23.9	21.3	31.9
77	17.0	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.271 ug/L

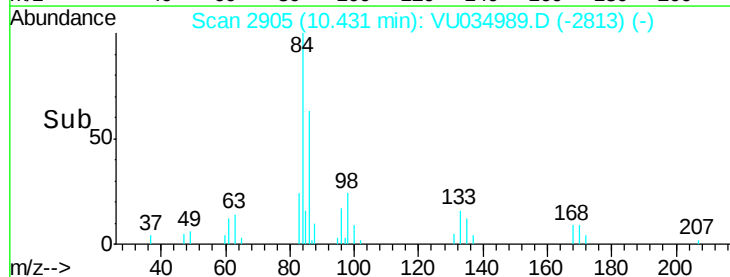
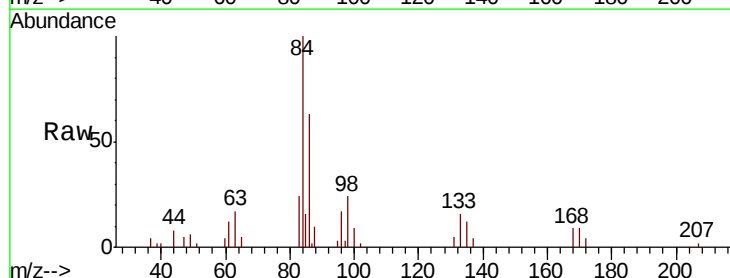
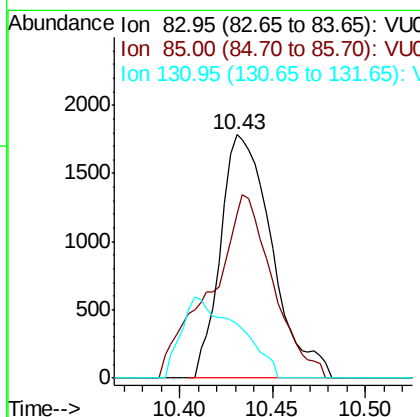
RT: 10.43 min Scan# 2905

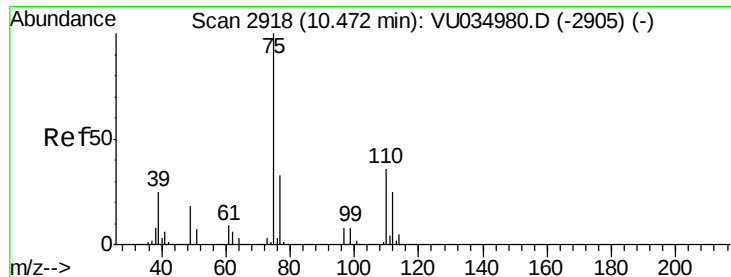
Delta R.T. -0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion:	83	Resp:	3428
Ion Ratio	Lower	Upper	
83	100		
85	67.6	44.6	82.8
131	22.4	7.4	11.2#





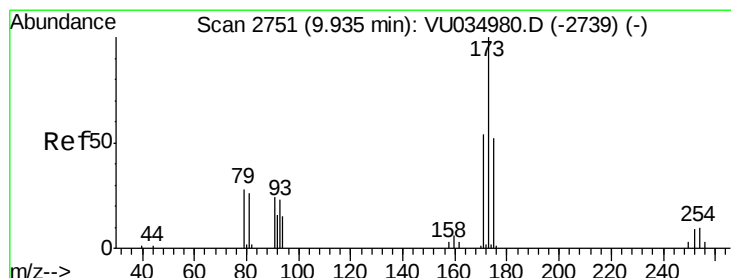
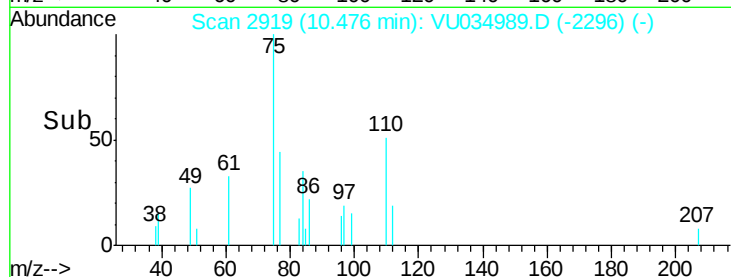
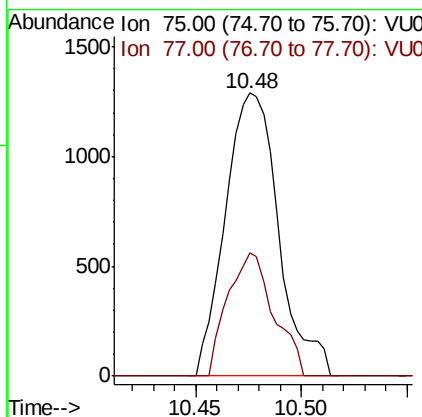
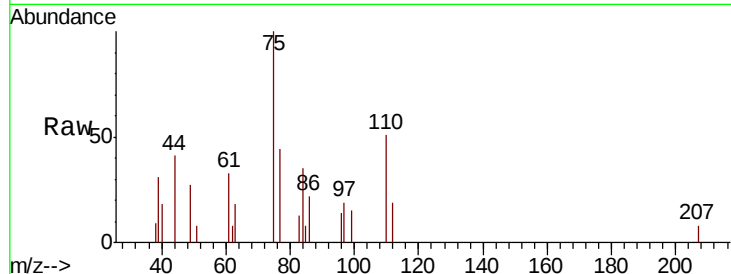
#59
1,2,3-Trichloropropane
Concen: 0.251 ug/L
RT: 10.48 min Scan# 2919
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 75 Resp: 2271
Ion Ratio Lower Upper
75 100
77 37.4 26.5 39.7

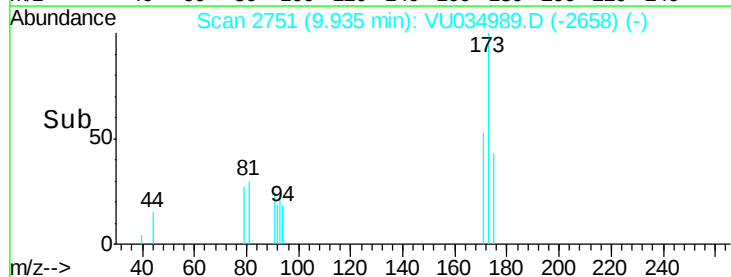
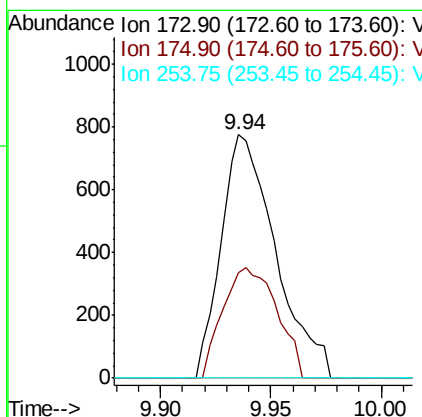
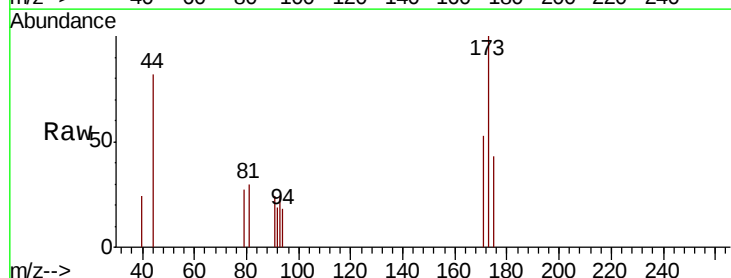
Manual Integrations
APPROVED

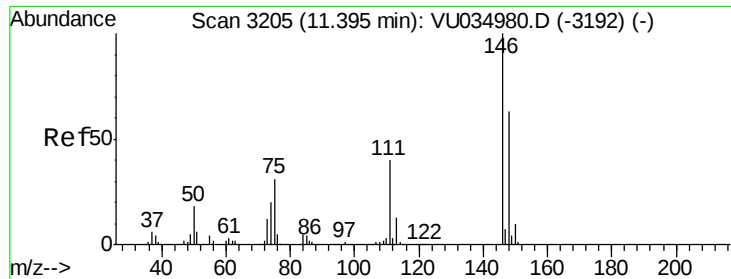
MMDadoda
10/9/2019 3:48:11 PM



#61
Bromoform
Concen: 0.269 ug/L
RT: 9.94 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VU034989.D
Acq: 08 Oct 2019 13:28

Tgt Ion: 173 Resp: 1331
Ion Ratio Lower Upper
173 100
175 45.2 37.2 55.8
254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.315 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

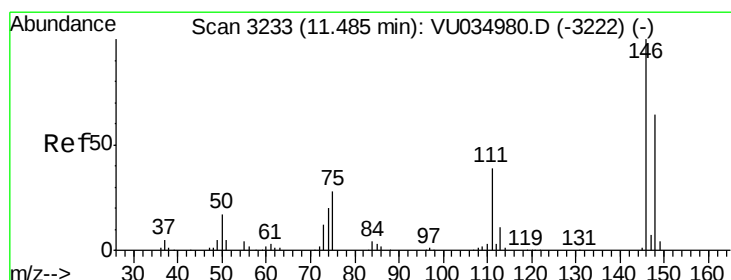
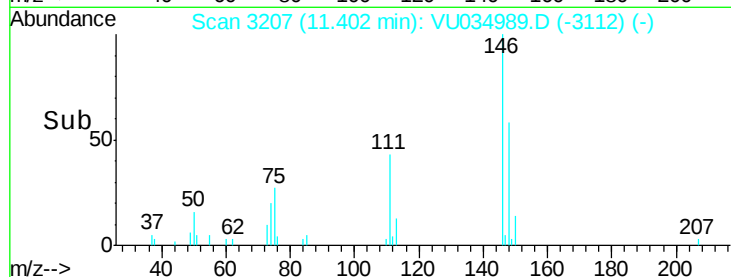
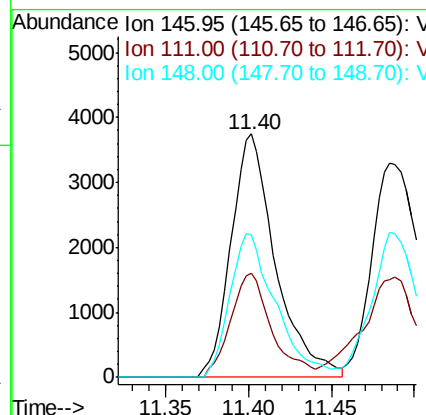
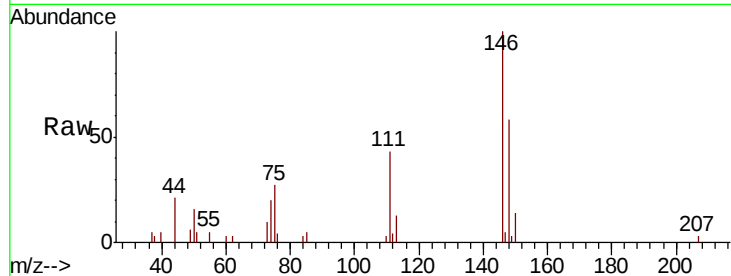
ClientSampled :

MDL07

Tot Ion:	146	Resp:	7002
Ion Ratio	Lower	Upper	
146	100		
111	42.7	28.6	53.2
148	58.3	45.0	83.6

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#63

1,4-Dichlorobenzene

Concen: 0.306 ug/L

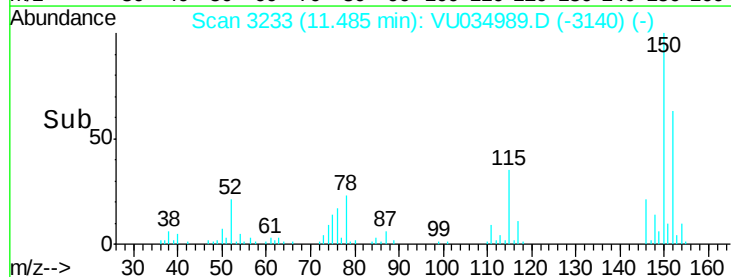
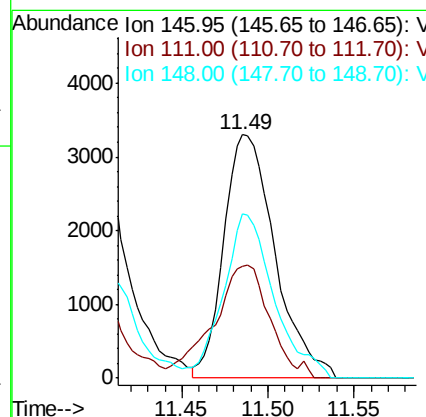
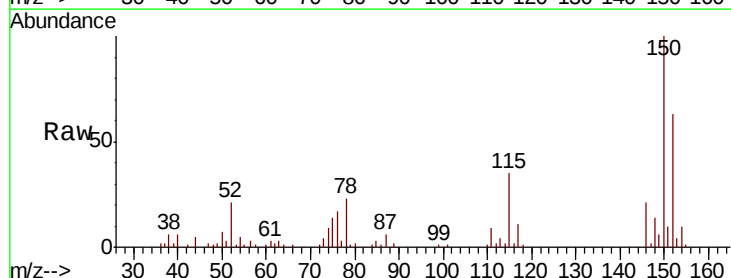
RT: 11.49 min Scan# 3233

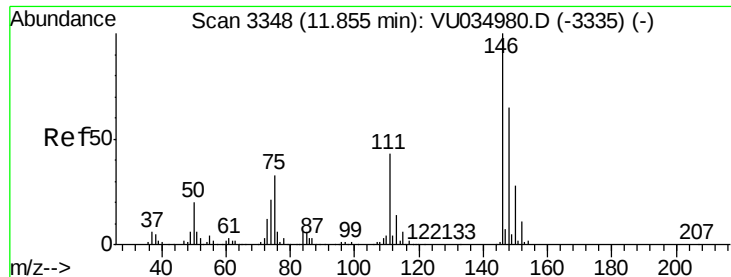
Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion:	146	Resp:	6859
Ion Ratio	Lower	Upper	
146	100		
111	45.7	27.9	51.7
148	67.4	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.338 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

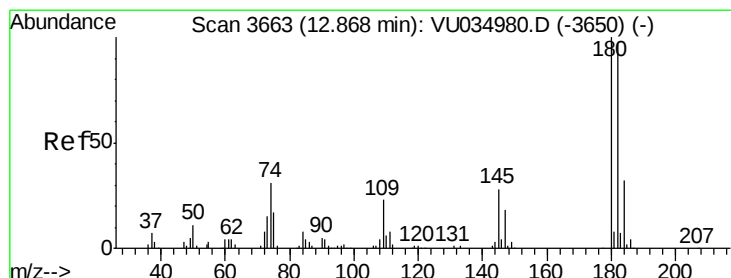
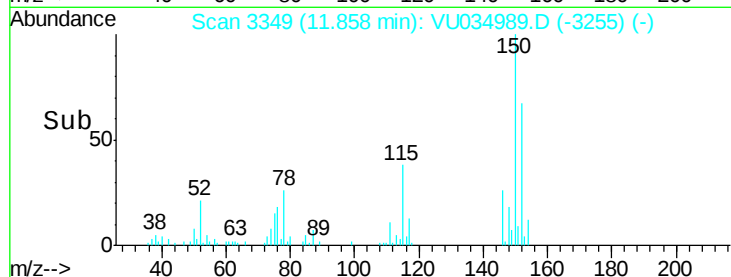
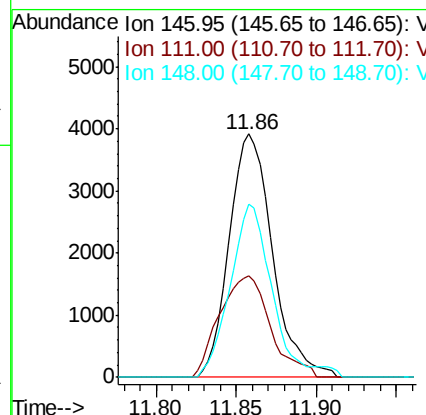
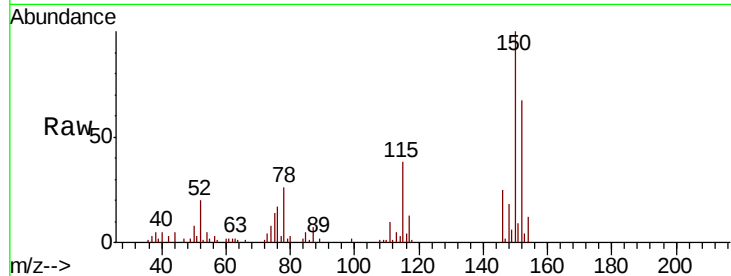
ClientSampled :

MDL07

Tot Ion:	146	Resp:	7248
Ion Ratio	Lower	Upper	
146	100		
111	41.8	34.2	51.4
148	71.1	52.0	78.0

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#67

1,3,5-Trichlorobenzene

Concen: 0.218 ug/L

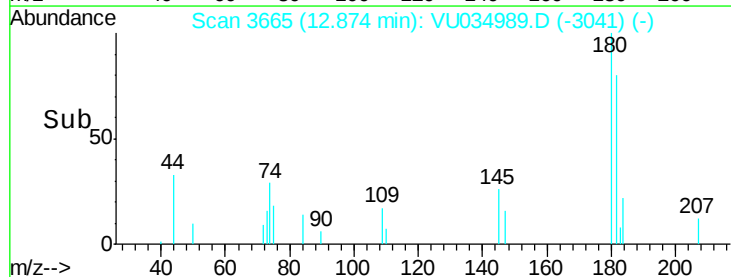
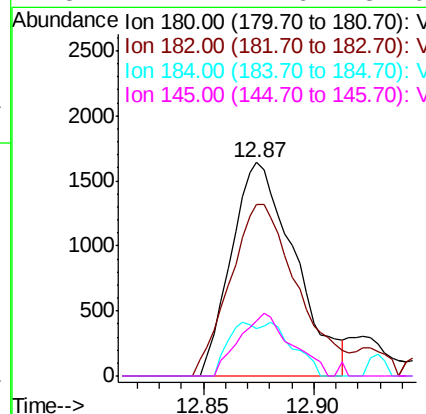
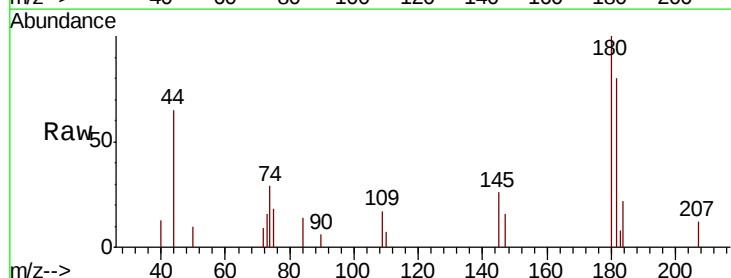
RT: 12.87 min Scan# 3665

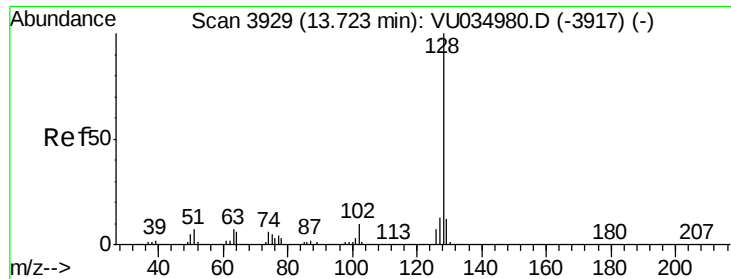
Delta R.T. 0.01 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion:	180	Resp:	3272
Ion Ratio	Lower	Upper	
180	100		
182	85.5	76.0	114.0
184	11.7	24.2	36.2#
145	24.1	24.6	37.0#





#69

Naphthalene

Concen: 0.114 ug/L m

RT: 13.77 min Scan# 3944

Delta R.T. 0.05 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Instrument :

MSVOA_U

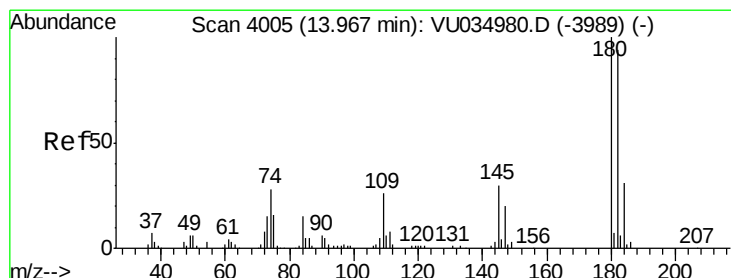
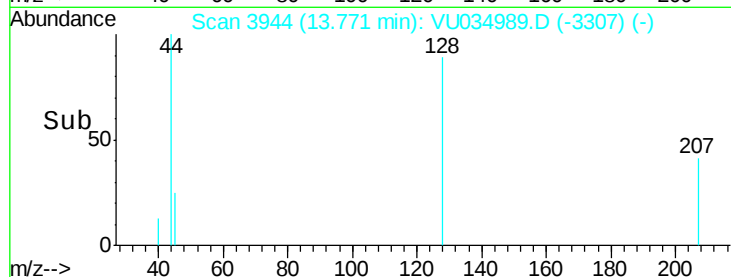
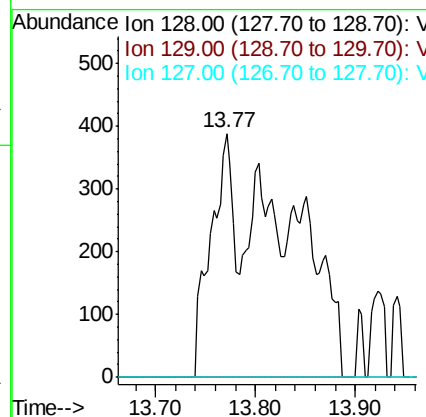
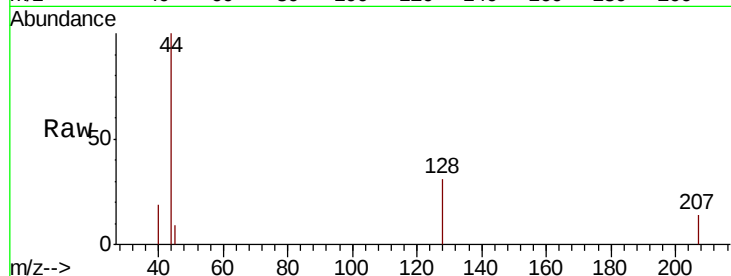
ClientSampled :

MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.7	13.1#
127	0.0	10.6	15.8#

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 0.192 ug/L m

RT: 13.99 min Scan# 4013

Delta R.T. 0.03 min

Lab File: VU034989.D

Acq: 08 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	0.0	77.0	115.4#
145	6.1	25.9	38.9#

