

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100819\
 Data File : VU034983.D
 Acq On : 08 Oct 2019 11:02
 Operator : JC/SP
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 3:47:40 PM

Quant Time: Oct 09 07:42:36 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	178790	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	178947	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.46	152	75948	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	44959	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	1.67	69	44488	4.51	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	2.26	63	70629	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.18	46	151553	48.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	97.38%
24) Chloroform-d	4.62	84	84392	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
26) 1,2-Dichloroethane-d4	5.29	65	55421	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
32) Benzene-d6	5.32	84	196080	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.31	67	66091	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.54	98	174405	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	7.84	79	20656	4.09	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.80%
46) 2-Hexanone-d5	8.30	63	106999	44.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.12%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	56288	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.84	152	65200	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	3966	0.243 ug/L	91
3) Chloromethane	1.32	50	4942	0.276 ug/L	99
5) Vinyl chloride	1.40	62	4577	0.260 ug/L #	76
6) Bromomethane	1.62	94	2623	0.268 ug/L	94
8) Chloroethane	1.69	64	2841	0.269 ug/L	93
9) Trichlorofluoromethane	1.88	101	5629	0.264 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3464	0.283 ug/L	88
12) 1,1-Dichloroethene	2.27	96	3675	0.320 ug/L #	1
13) Acetone	2.33	43	8324	3.266 ug/L	87
14) Carbon disulfide	2.46	76	9850	0.258 ug/L #	88
15) Methyl Acetate	2.61	43	1553	0.229 ug/L	95
16) Methylene chloride	2.68	84	6604	0.465 ug/L	91
17) Methyl tert-butyl Ether	2.99	73	8252	0.263 ug/L #	91
18) trans-1,2-Dichloroethene	2.96	96	3059	0.249 ug/L	94
19) 1,1-Dichloroethane	3.42	63	6375	0.261 ug/L	94
21) 2-Butanone	4.29	43	9449m	2.603 ug/L	
22) cis-1,2-Dichloroethene	4.21	96	3232	0.236 ug/L	89

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

23) Bromochloromethane	4.53	128	1559	0.271	ug/L	79
25) Chloroform	4.65	83	25314	0.922	ug/L	92
27) 1,2-Dichloroethane	5.39	62	4213	0.263	ug/L #	88
29) 1,1,1-Trichloroethane	4.89	97	5339	0.266	ug/L	95
30) Cyclohexane	4.96	56	5135	0.232	ug/L	96
31) Carbon tetrachloride	5.11	117	4091	0.235	ug/L	95
33) Benzene	5.37	78	12933	0.240	ug/L	100
34) Trichloroethene	6.17	95	3508	0.252	ug/L	95
35) Methylcyclohexane	6.39	83	5317	0.236	ug/L	92
37) 1,2-Dichloropropane	6.42	63	3981	0.274	ug/L #	88
38) Bromodichloromethane	6.74	83	4356	0.256	ug/L #	94
39) cis-1,3-Dichloropropene	7.26	75	4609m	0.234	ug/L	
40) 4-Methyl-2-pentanone	7.45	43	19487	2.129	ug/L #	86
42) Toluene	7.62	91	13860	0.246	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	3385m	0.222	ug/L	
45) 1,1,2-Trichloroethane	8.05	97	2534	0.262	ug/L	97
47) Tetrachloroethene	8.21	164	2942	0.261	ug/L	90
48) 2-Hexanone	8.35	43	16703	2.662	ug/L	94
49) Dibromochloromethane	8.46	129	2676	0.240	ug/L	91
50) 1,2-Dibromoethane	8.58	107	2167	0.235	ug/L #	85
51) Chlorobenzene	9.10	112	9448	0.259	ug/L	98
52) Ethylbenzene	9.23	91	14434	0.232	ug/L	94
53) m,p-Xylene	9.36	106	5106	0.222	ug/L	91
54) o-Xylene	9.76	106	4929	0.220	ug/L	89
55) Styrene	9.78	104	7162	0.197	ug/L	84
56) Isopropylbenzene	10.14	105	13011	0.218	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.44	83	3500	0.267	ug/L #	80
59) 1,2,3-Trichloropropane	10.48	75	2197	0.233	ug/L	92
61) Bromoform	9.94	173	1244	0.239	ug/L #	89
62) 1,3-Dichlorobenzene	11.40	146	6165	0.264	ug/L	97
63) 1,4-Dichlorobenzene	11.49	146	6729	0.285	ug/L	95
65) 1,2-Dichlorobenzene	11.86	146	6472	0.287	ug/L	98
67) 1,3,5-Trichlorobenzene	12.88	180	3240m	0.205	ug/L	
70) 1,2,3-Trichlorobenzene	14.00	180	1704m	0.148	ug/L	

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

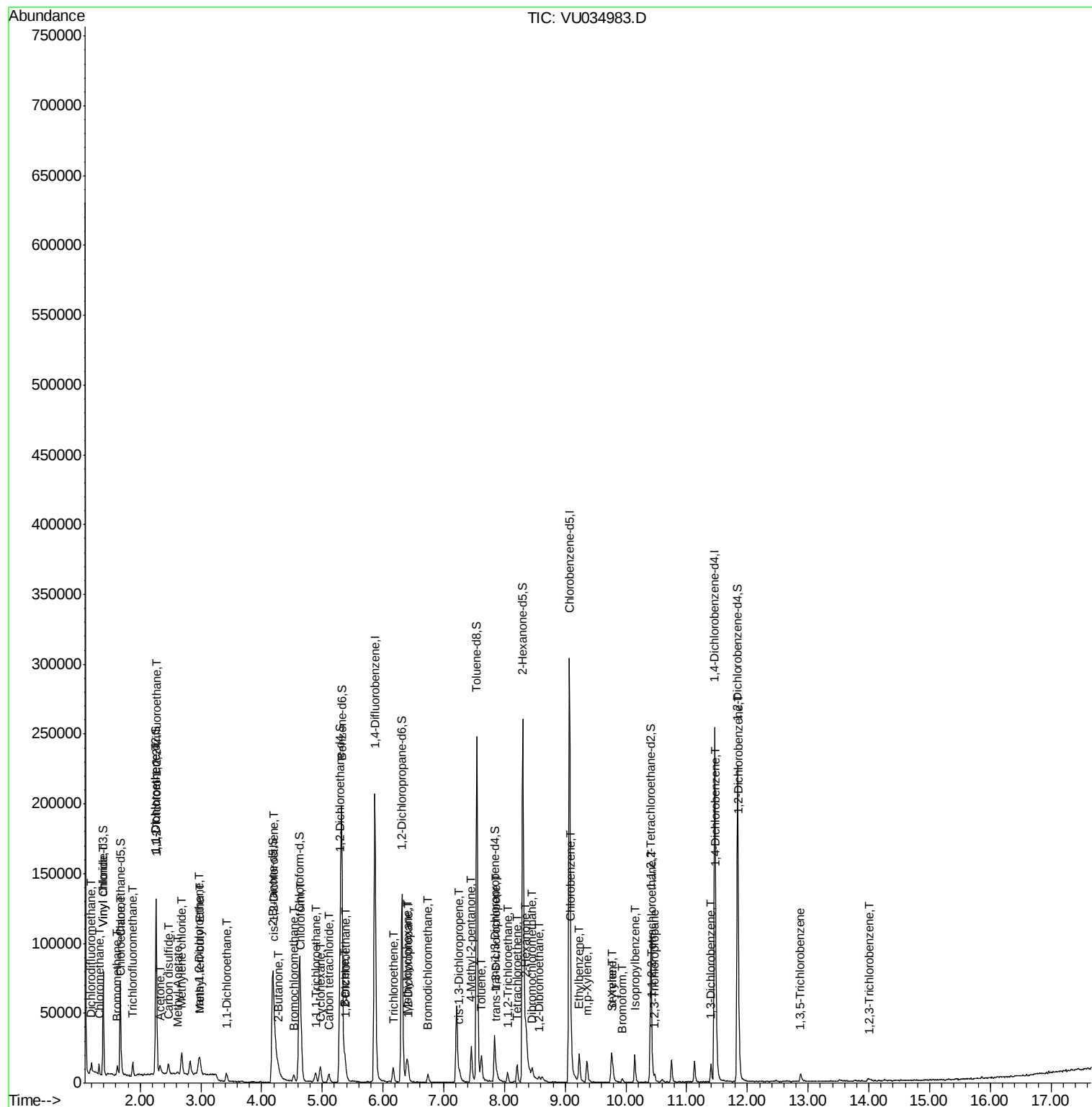
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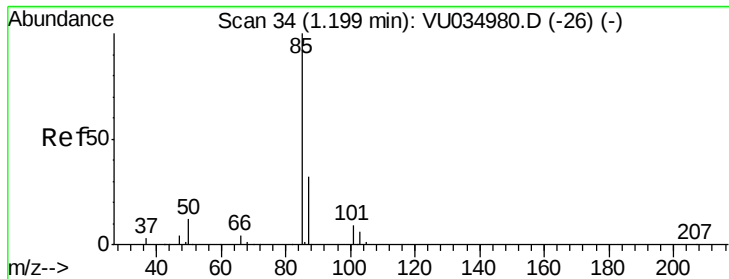
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#2

Dichlorodifluoromethane

Concen: 0.243 ug/L

RT: 1.20 min Scan# 34

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 85 Resp: 3966

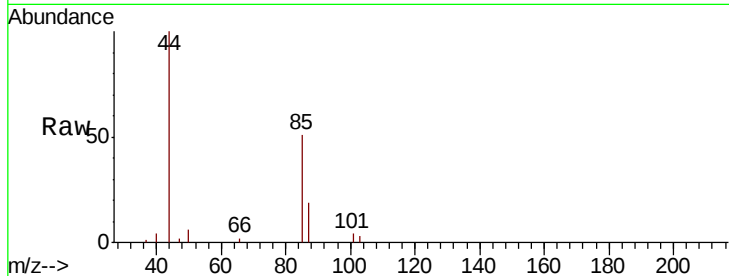
Ion Ratio Lower Upper

85 100

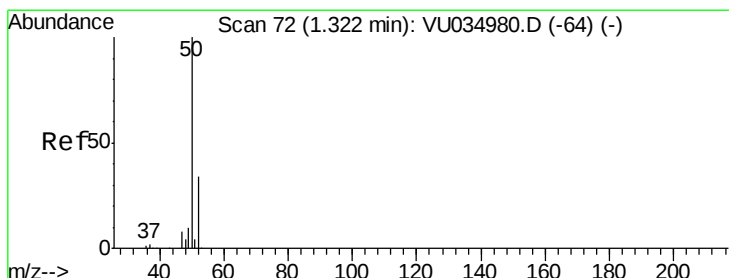
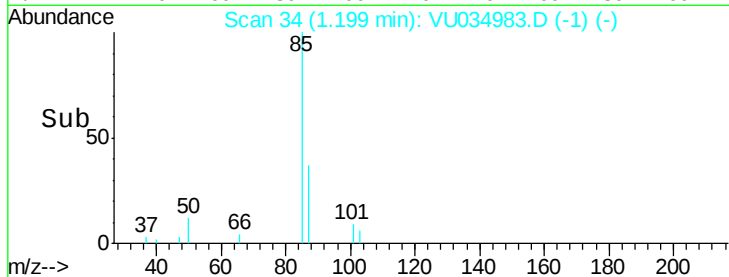
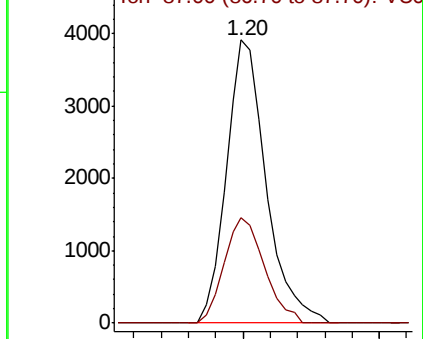
87 37.7 26.3 39.5

Manual Integrations
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Abundance Ion 85.00 (84.70 to 85.70): VU034983.D (-1) (-)



#3

Chloromethane

Concen: 0.276 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VU034983.D

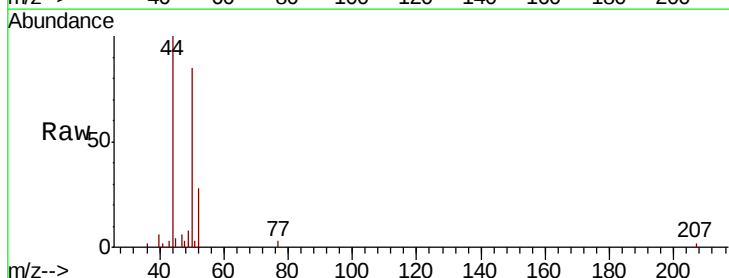
Acq: 08 Oct 2019 11:02

Tgt Ion: 50 Resp: 4942

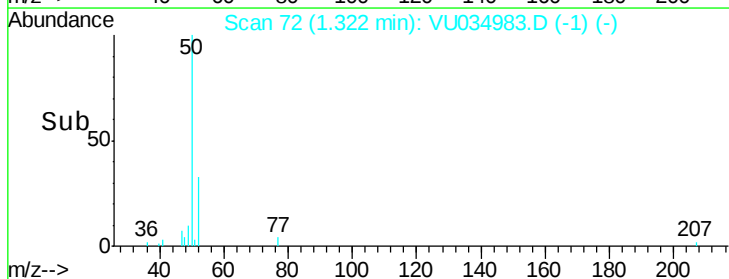
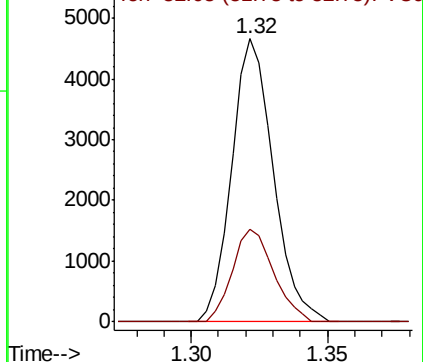
Ion Ratio Lower Upper

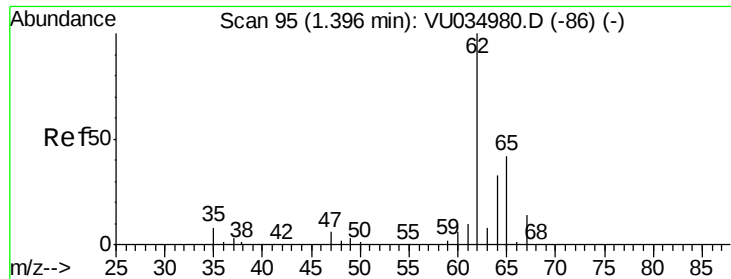
50 100

52 32.9 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VU034983.D (-1) (-)





#5

Vinyl chloride

Concen: 0.260 ug/L

RT: 1.40 min Scan# 95

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 62 Resp: 4577

Ion Ratio Lower Upper

62 100

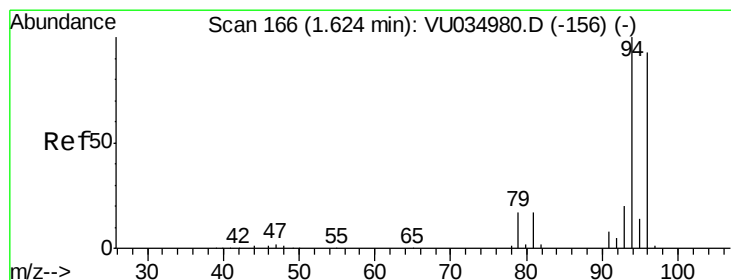
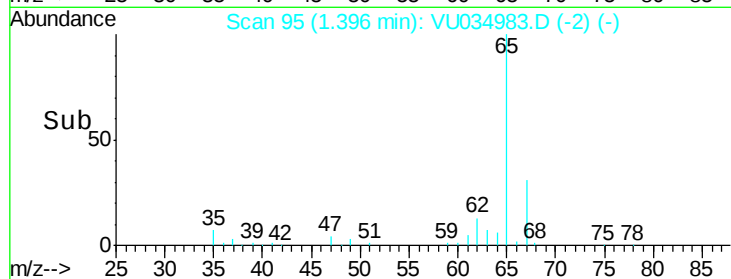
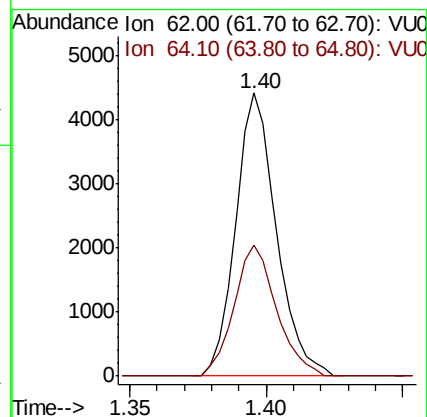
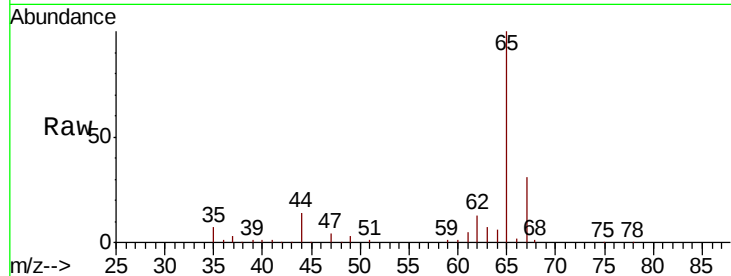
64 46.1 22.8 42.4#

Manual Integrations

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#6

Bromomethane

Concen: 0.268 ug/L

RT: 1.62 min Scan# 166

Delta R.T. 0.00 min

Lab File: VU034983.D

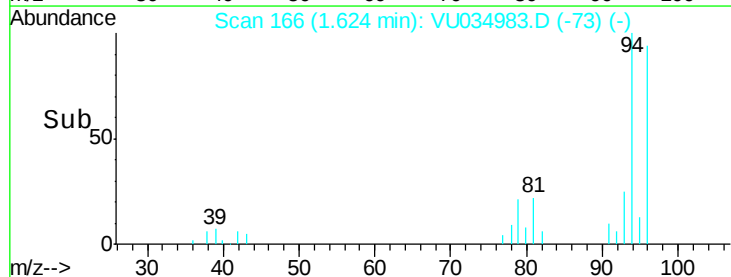
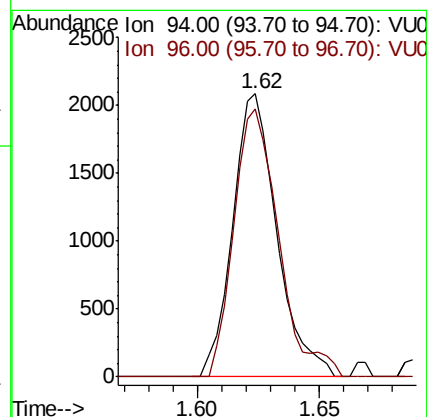
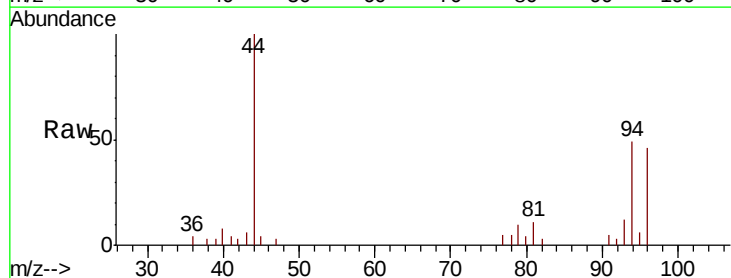
Acq: 08 Oct 2019 11:02

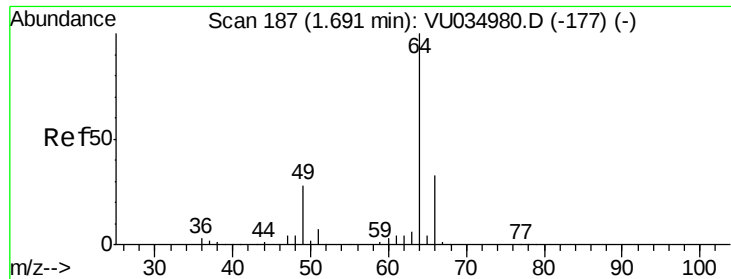
Tgt Ion: 94 Resp: 2623

Ion Ratio Lower Upper

94 100

96 94.5 62.4 116.0





#8

Chloroethane

Concen: 0.269 ug/L

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 64 Resp: 2841

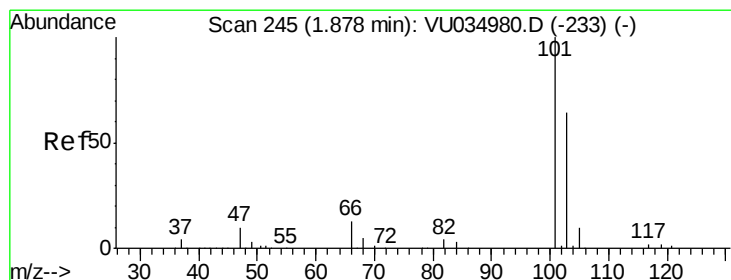
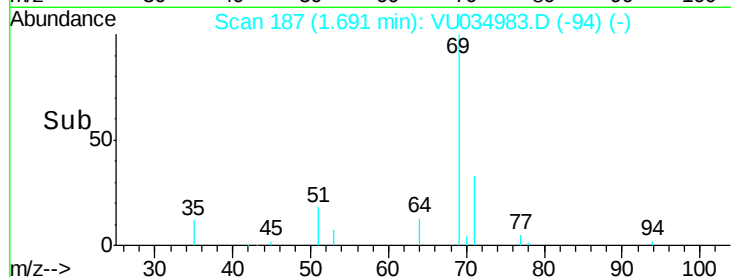
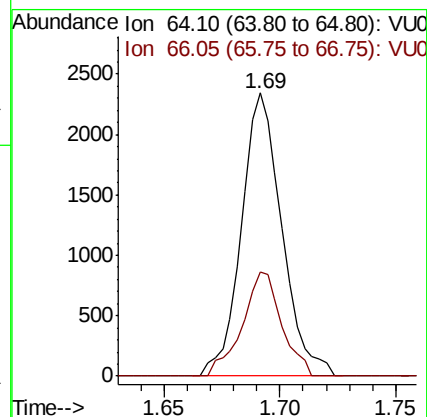
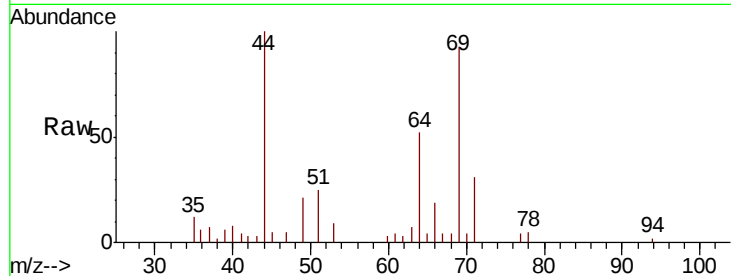
Ion Ratio Lower Upper

64 100

66 37.0 23.2 43.2

Manual Integrations
APPROVED

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10/9/2019 3:47:40 PM



#9

Trichlorofluoromethane

Concen: 0.264 ug/L

RT: 1.88 min Scan# 245

Delta R.T. 0.00 min

Lab File: VU034983.D

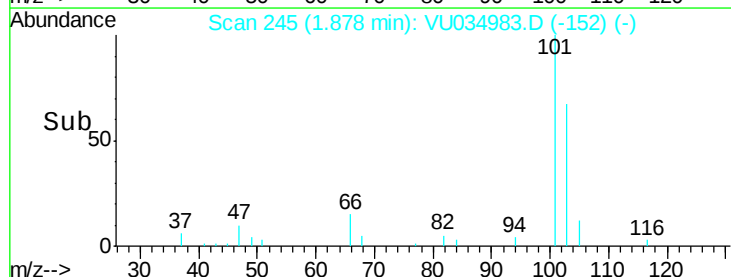
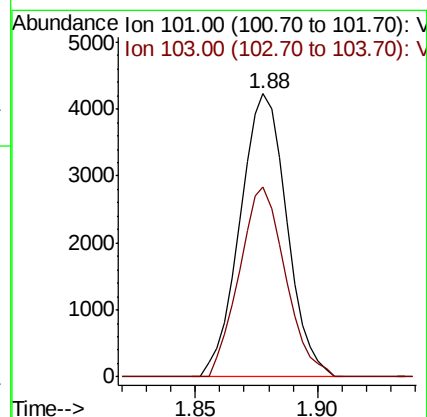
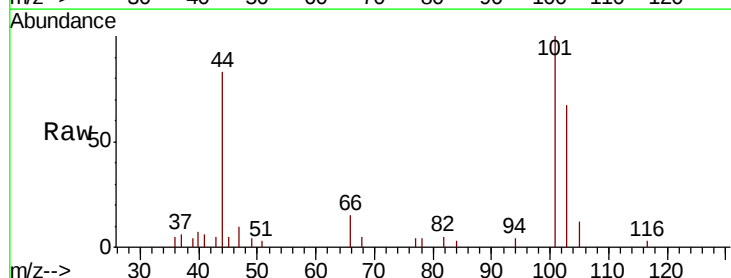
Acq: 08 Oct 2019 11:02

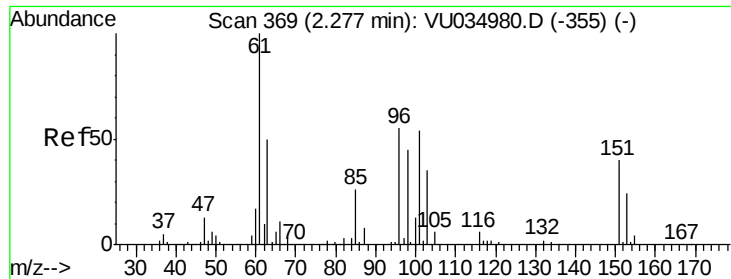
Tgt Ion: 101 Resp: 5629

Ion Ratio Lower Upper

101 100

103 66.2 52.2 78.4





#10

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

Concen: 0.283 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

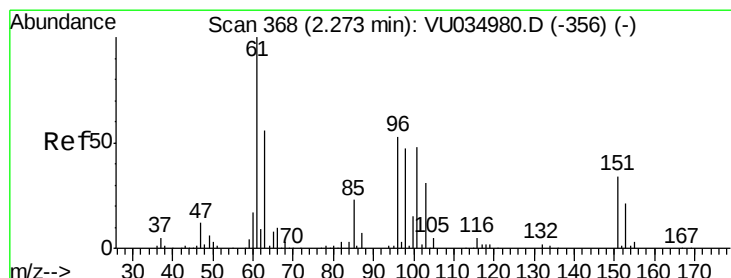
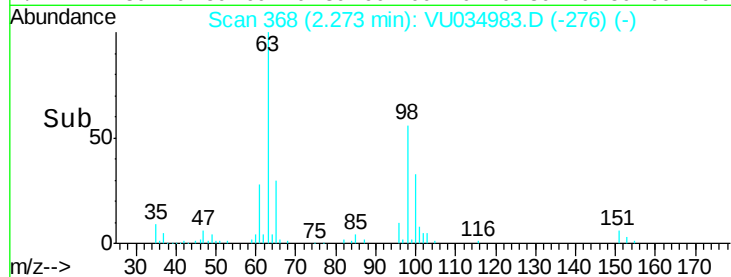
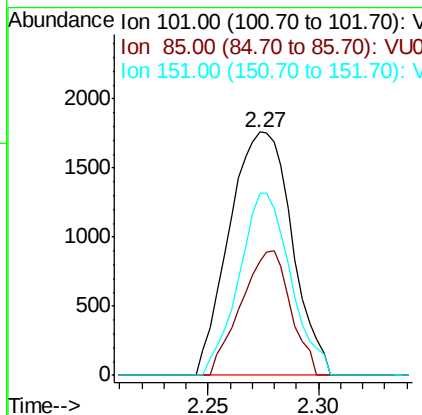
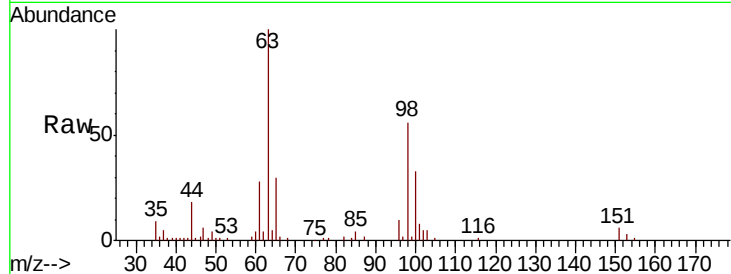
ClientSampled :

MDL01

Tot Ion:	101	Resp:	3464
Ion Ratio	Lower	Upper	
101	100		
85	40.6	37.4	56.0
151	62.2	58.6	87.8

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#12

1,1-Dichloroethene

Concen: 0.320 ug/L

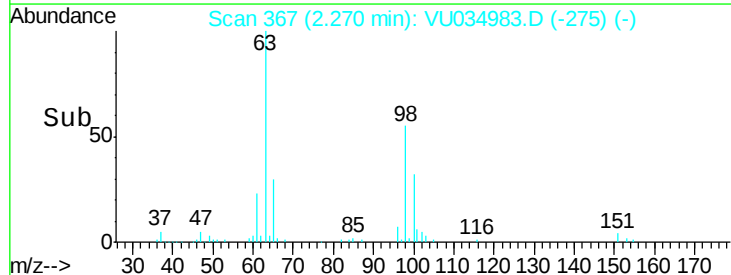
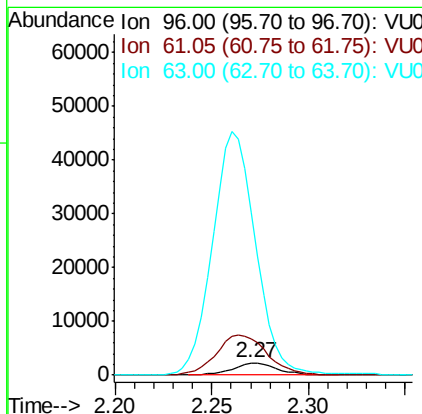
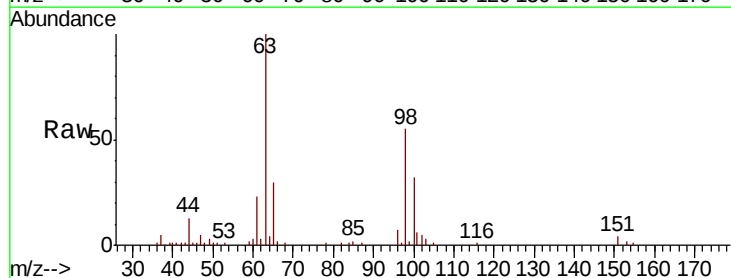
RT: 2.27 min Scan# 367

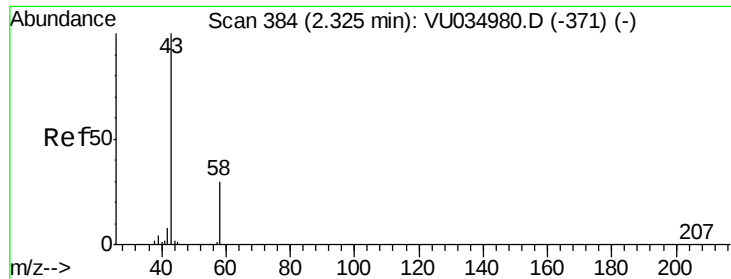
Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Tgt Ion:	96	Resp:	3675
Ion Ratio	Lower	Upper	
96	100		
61	304.5	129.3	240.1#
63	1345.8	108.9	202.3#





#13

Acetone

Concen: 3.266 ug/L

RT: 2.33 min Scan# 385

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 43 Resp: 8324

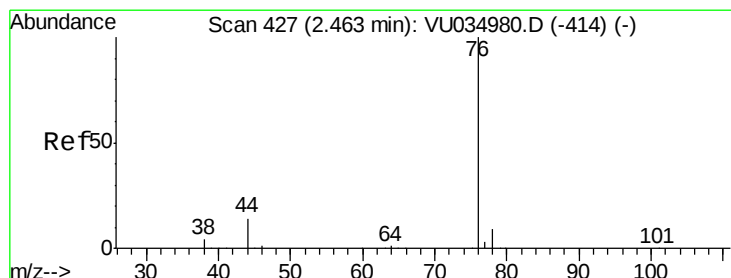
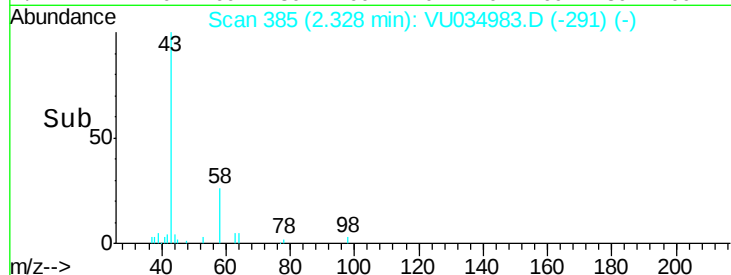
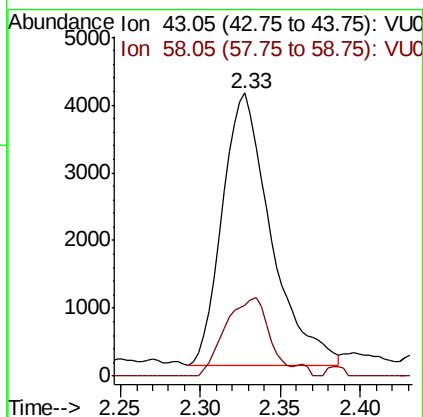
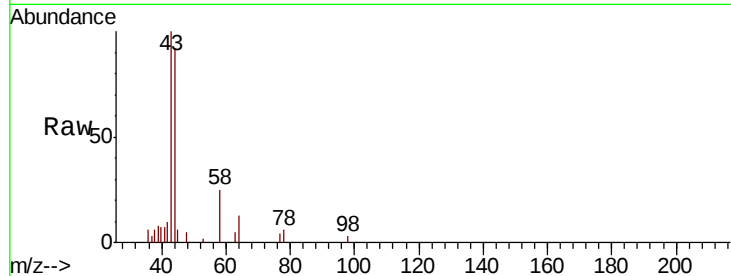
Ion Ratio Lower Upper

43 100

58 26.1 0.0 66.6

Manual Integrations
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#14

Carbon disulfide

Concen: 0.258 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VU034983.D

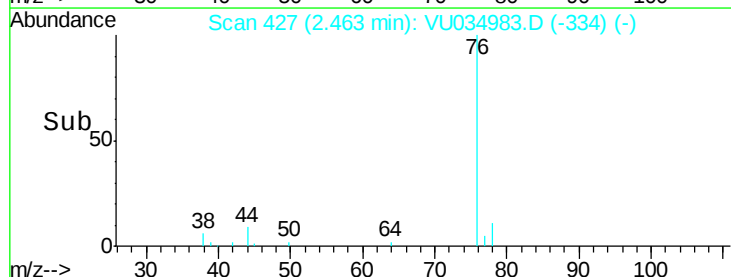
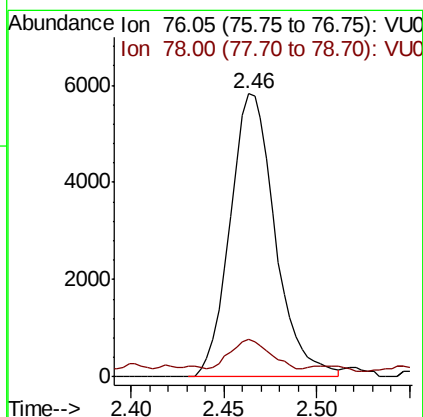
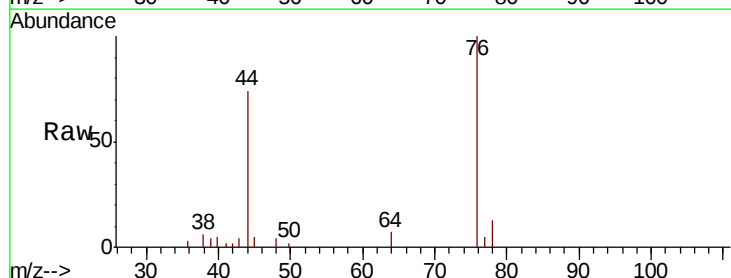
Acq: 08 Oct 2019 11:02

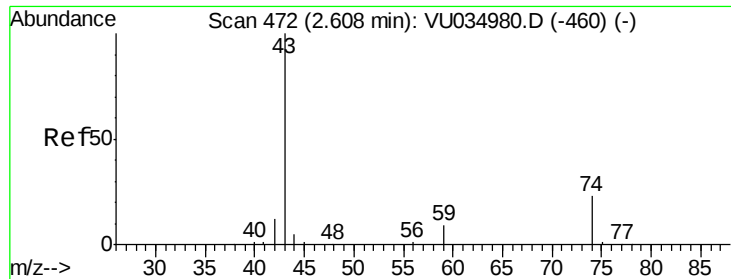
Tgt Ion: 76 Resp: 9850

Ion Ratio Lower Upper

76 100

78 13.3 7.1 10.7#





#15

Methyl Acetate

Concen: 0.229 ug/L

RT: 2.61 min Scan# 474

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 43 Resp: 1553

Ion Ratio Lower Upper

43 100

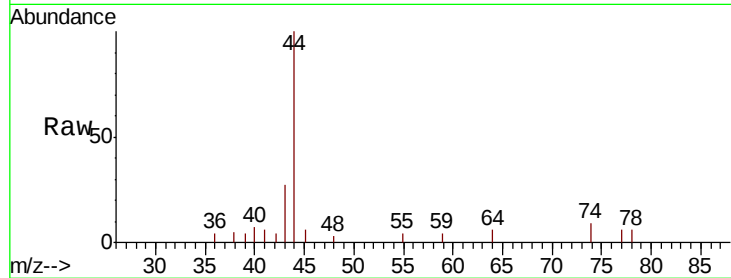
74 20.0 17.8 26.8

Manual Integrations

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MMDadoda

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Abundance Ion 43.05 (42.75 to 43.75): VU034983.D (-379) (-)

Ion 74.05 (73.75 to 74.75): VU034983.D (-379) (-)

1200

1000

800

600

400

200

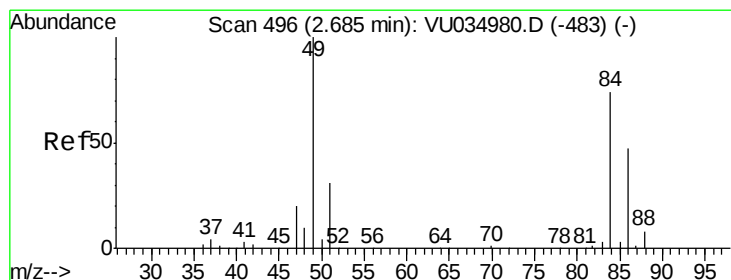
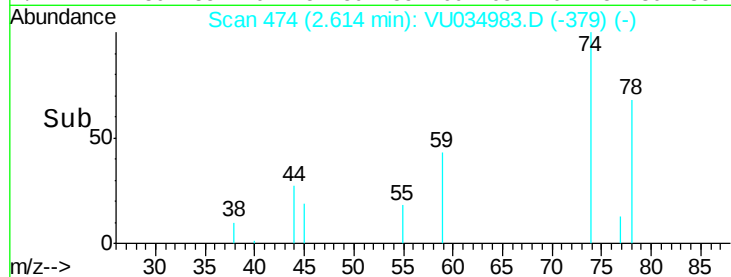
0

2.55

2.60

2.65

Time-->



#16

Methylene chloride

Concen: 0.465 ug/L

RT: 2.68 min Scan# 495

Delta R.T. -0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

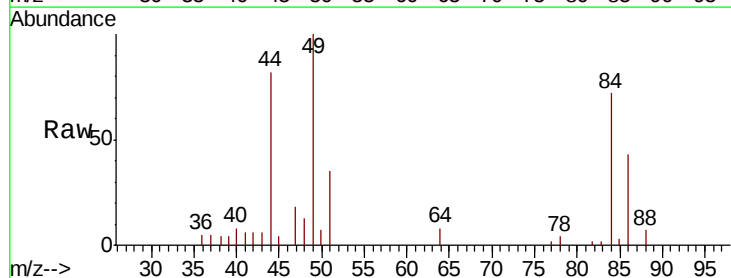
Tgt Ion: 84 Resp: 6604

Ion Ratio Lower Upper

84 100

86 60.3 42.5 78.9

49 139.3 86.9 161.3



Abundance Ion 84.05 (83.75 to 84.75): VU034983.D (-403) (-)

Ion 86.00 (85.70 to 86.70): VU034983.D (-403) (-)

Ion 49.10 (48.80 to 49.80): VU034983.D (-403) (-)

6000

4000

2000

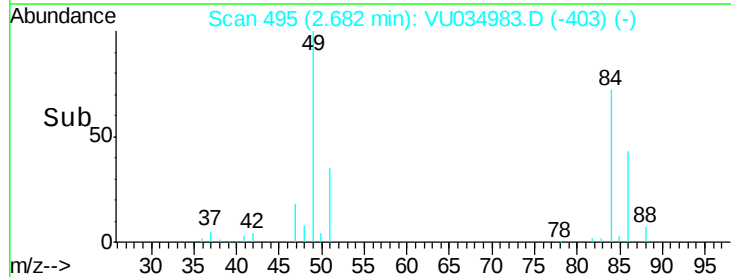
0

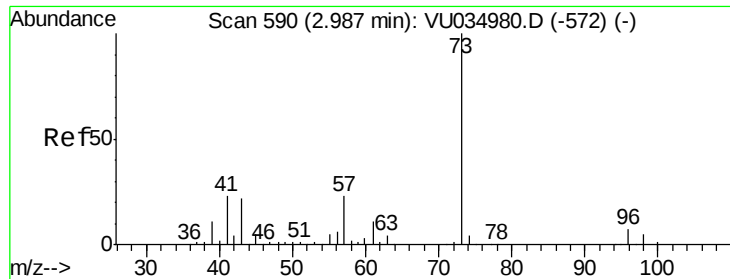
2.65

2.70

2.75

Time-->





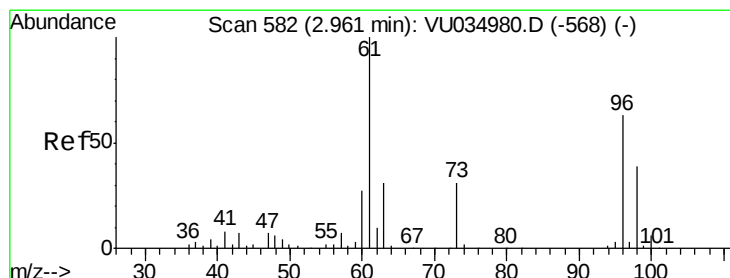
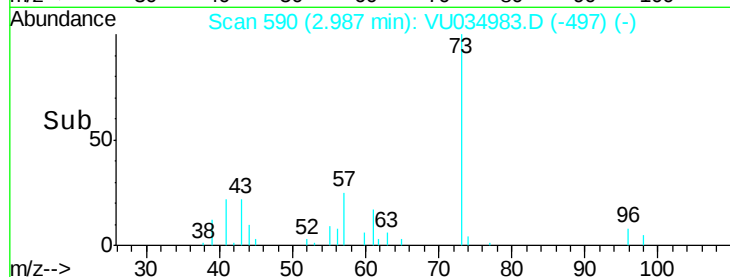
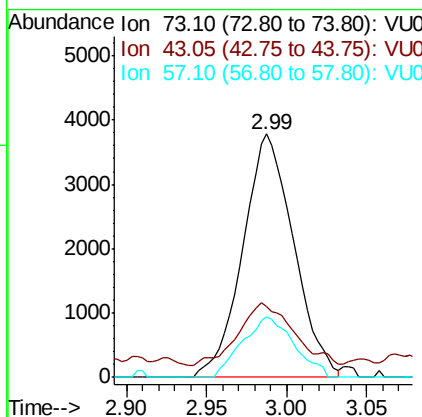
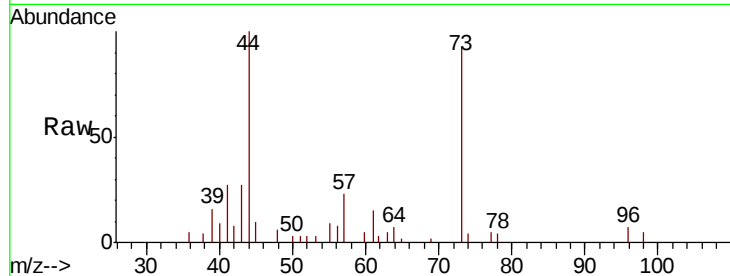
#17
Methvl tert-butvl Ether
Concen: 0.263 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
43	27.6	16.3	24.5#
57	25.2	18.6	28.0

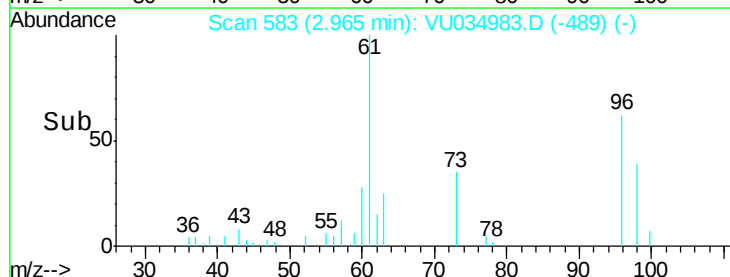
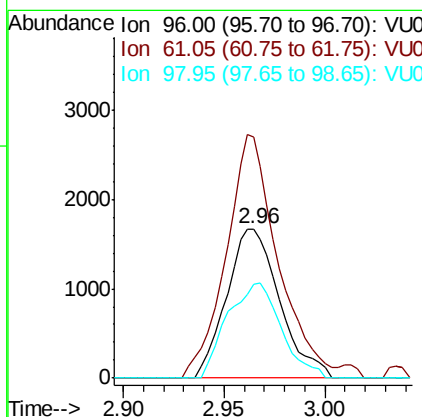
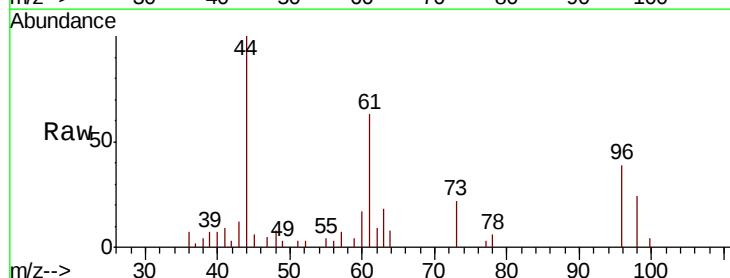
Manual Integrations
APPROVED

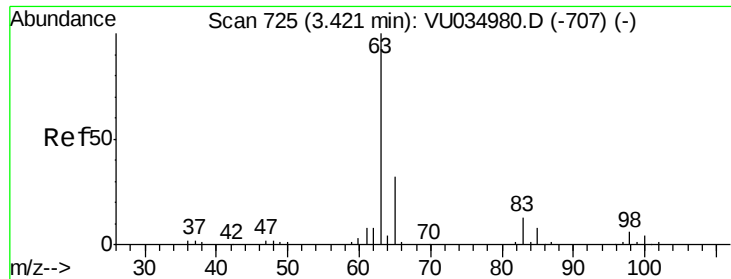
MMDadoda
10/9/2019 3:47:40 PM



#18
trans-1,2-Dichloroethene
Concen: 0.249 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	107.1	198.9
98	63.3	45.4	84.4





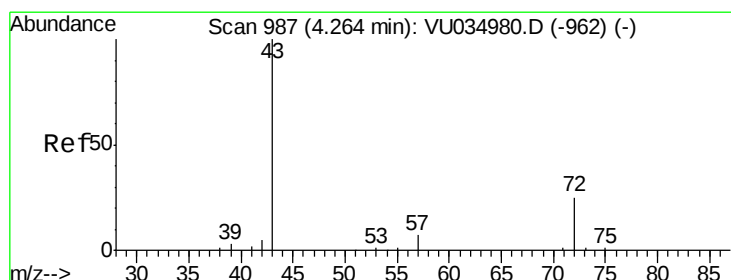
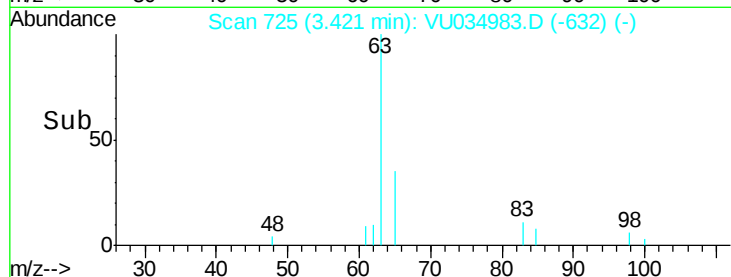
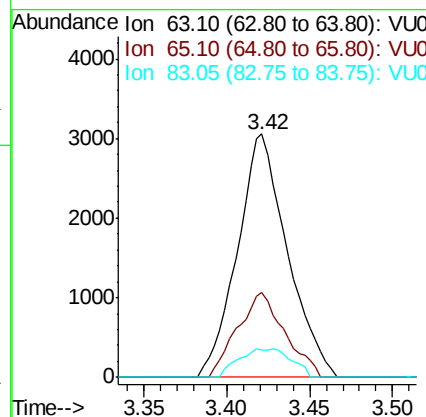
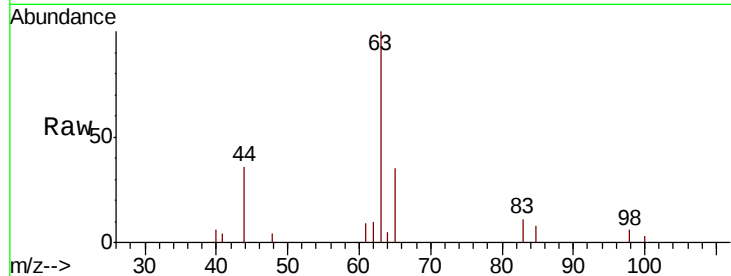
#19
 1,1-Dichloroethane
 Concen: 0.261 ug/L
 RT: 3.42 min Scan# 725
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion:	63	Resp:	6375
Ion	Ratio	Lower	Upper
63	100		
65	34.8	21.7	40.3
83	11.3	9.0	16.8

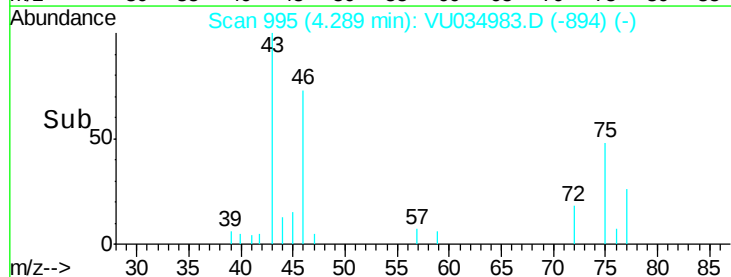
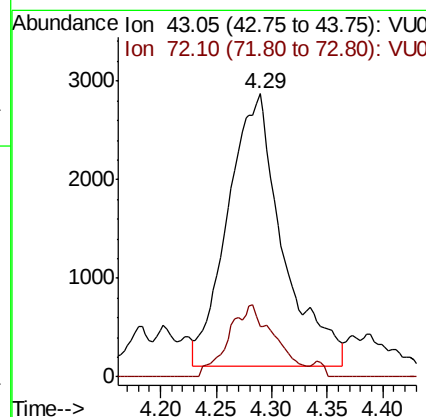
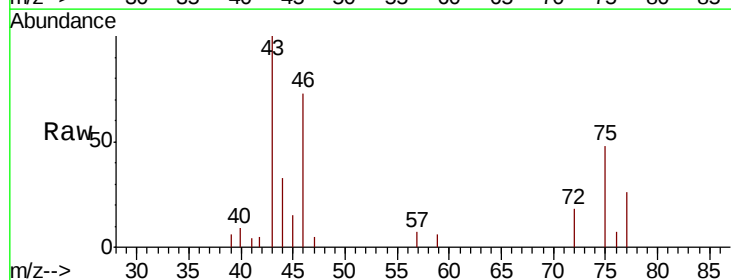
Manual Integrations
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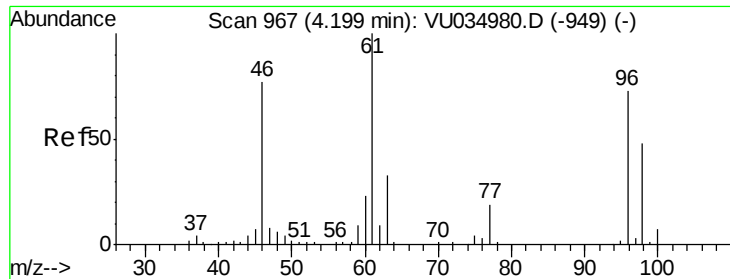
MMDadoda
 10/9/2019 3:47:40 PM



#21
 2-Butanone
 Concen: 2.603 ug/L m
 RT: 4.29 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion:	43	Resp:	9449
Ion	Ratio	Lower	Upper
43	100		
72	22.5	13.5	40.4





#22

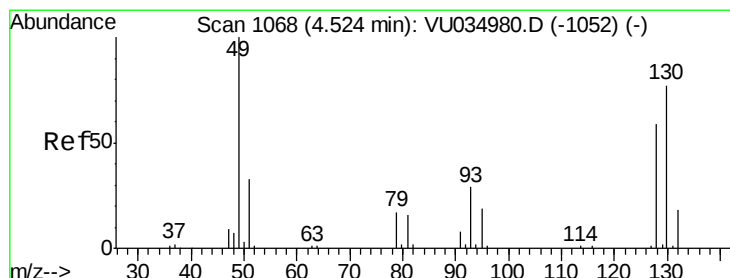
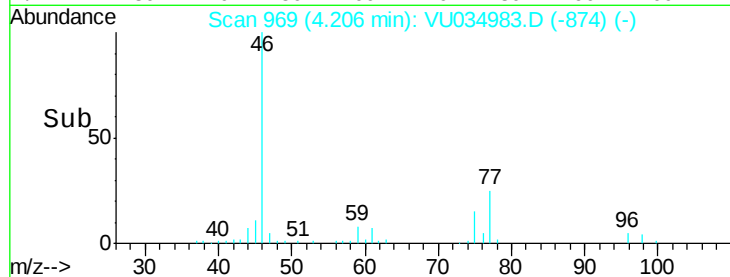
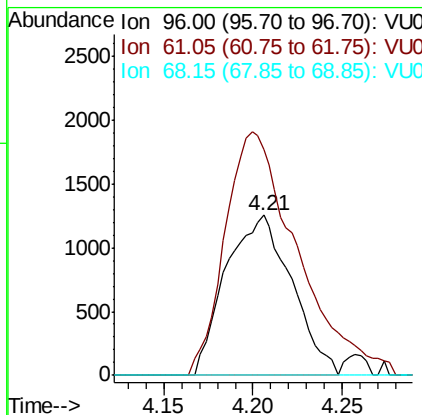
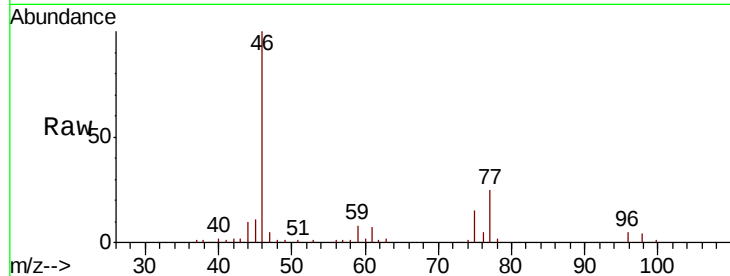
cis-1,2-Dichloroethene
Concen: 0.236 ug/L
RT: 4.21 min Scan# 969
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.4	89.2	165.6
68	0.0	0.0	0.0

Manual Integrations
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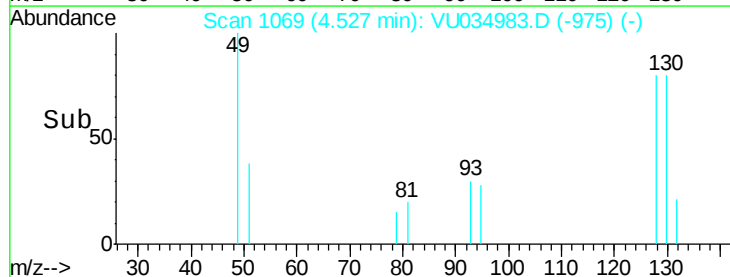
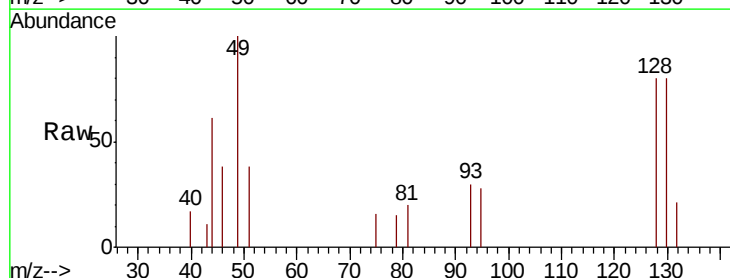
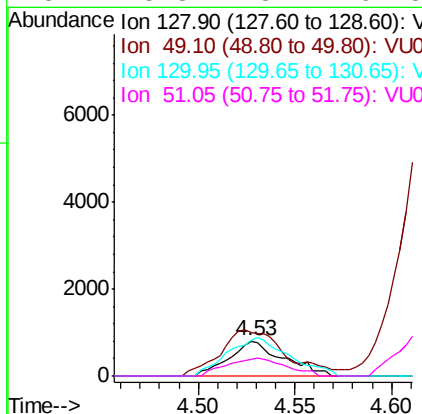
MMDadoda
10/9/2019 3:47:40 PM

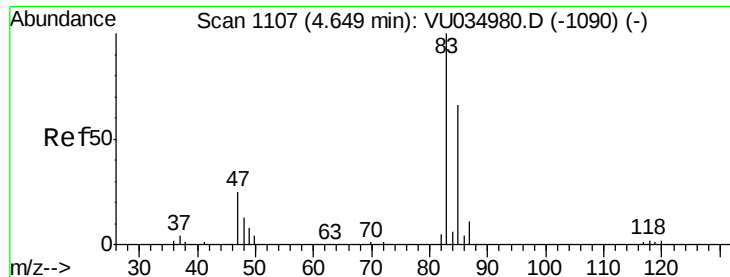


#23

Bromochloromethane
Concen: 0.271 ug/L
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
128	100		
49	125.5	110.5	205.3
130	100.6	88.6	164.6
51	48.3	43.2	64.8





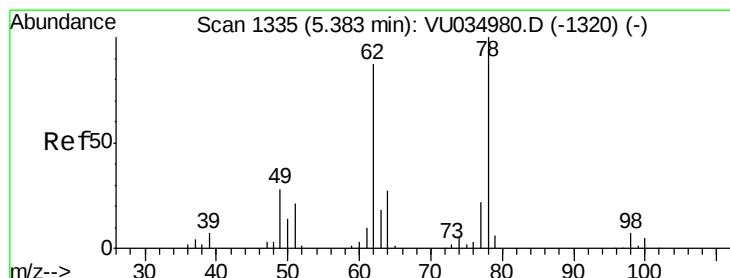
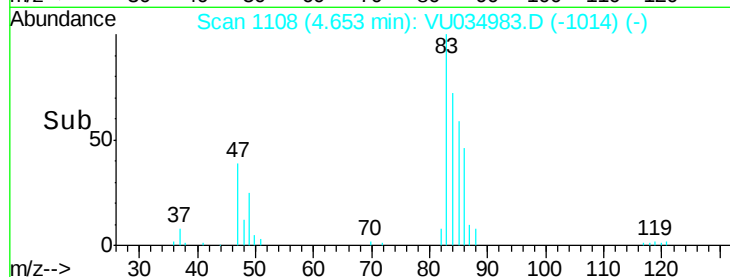
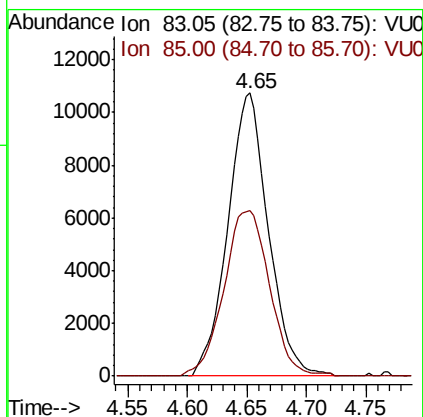
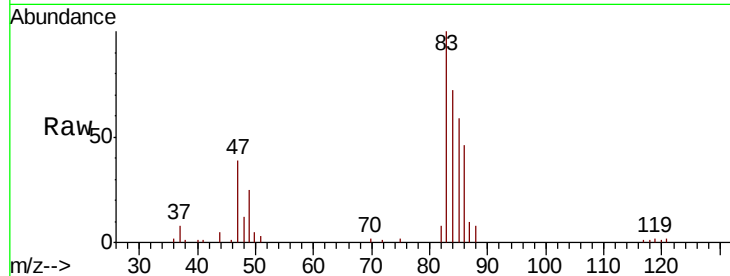
#25
Chloroform
Concen: 0.922 ug/L
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion: 83 Resp: 25314
Ion Ratio Lower Upper
83 100
85 58.5 45.4 84.4

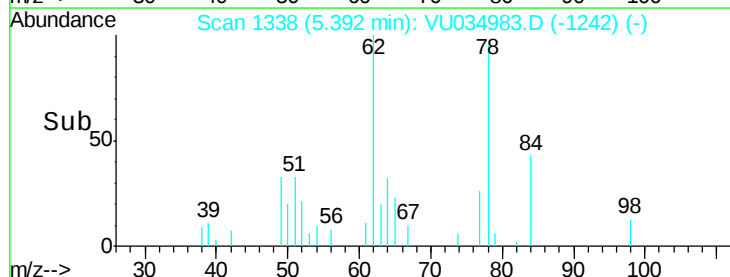
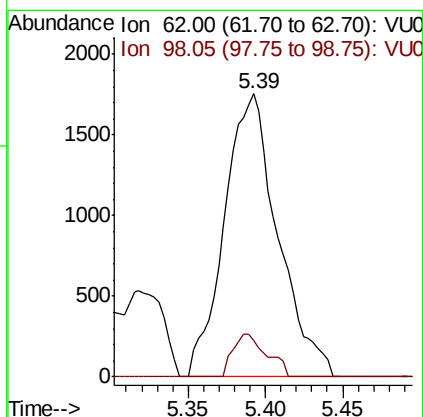
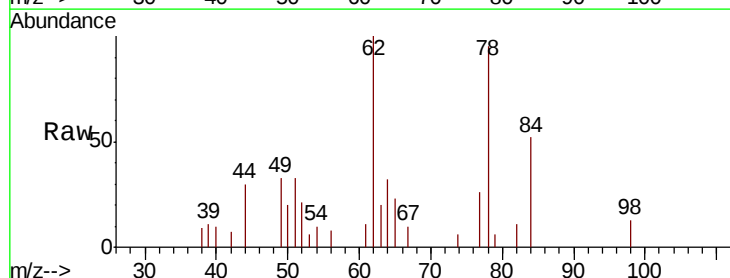
Manual Integrations
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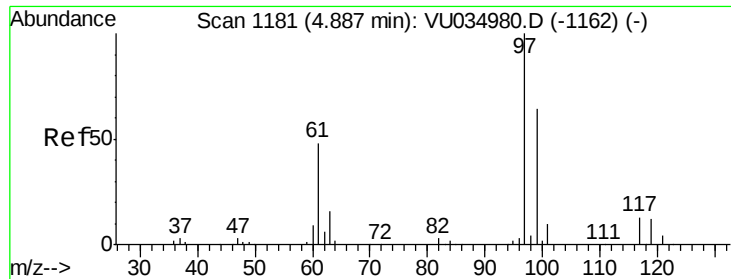
MMDadoda
10/9/2019 3:47:40 PM



#27
1,2-Dichloroethane
Concen: 0.263 ug/L
RT: 5.39 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion: 62 Resp: 4213
Ion Ratio Lower Upper
62 100
98 12.7 6.6 10.0#





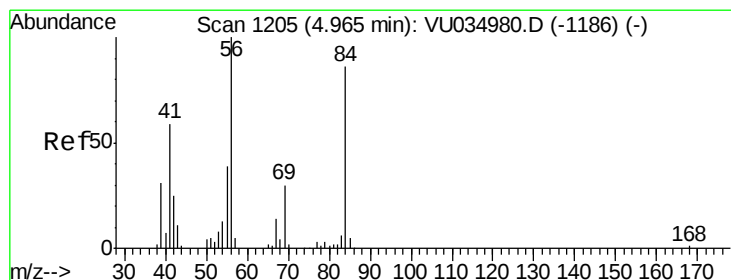
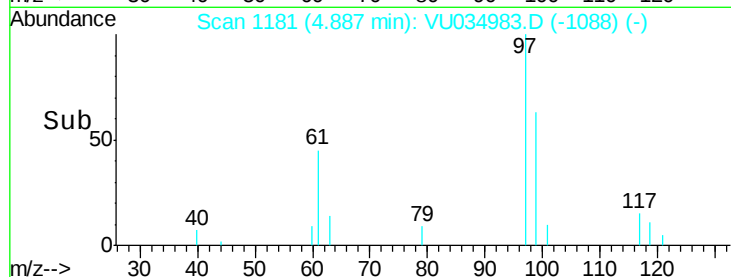
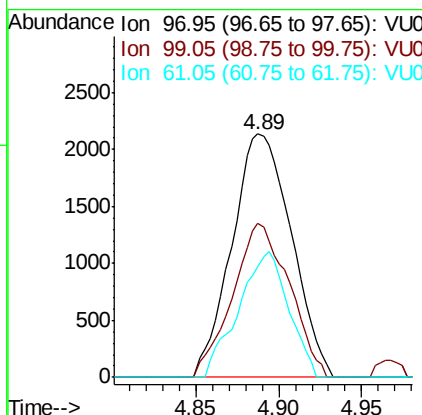
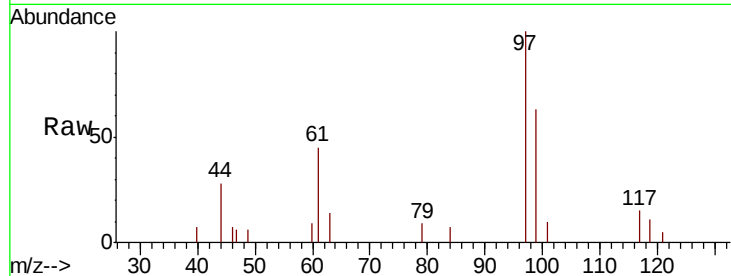
#29
 1,1,1-Trichloroethane
 Concen: 0.266 ug/L
 RT: 4.89 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion	Ratio	Lower	Upper
97	100		
99	60.0	51.6	77.4
61	43.4	36.2	54.4

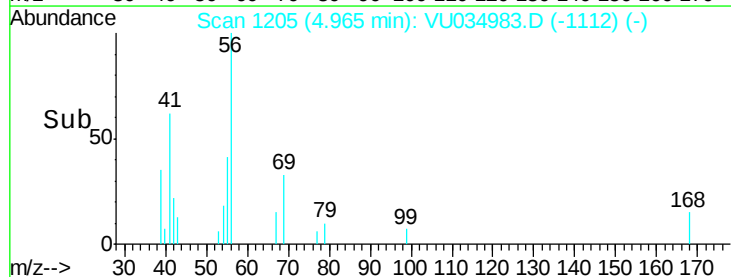
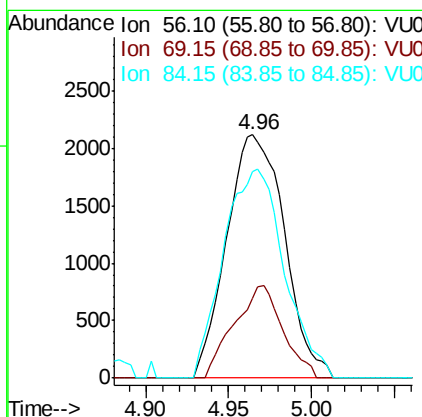
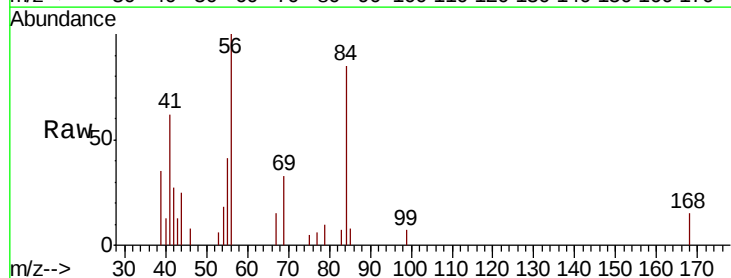
Manual Integrations
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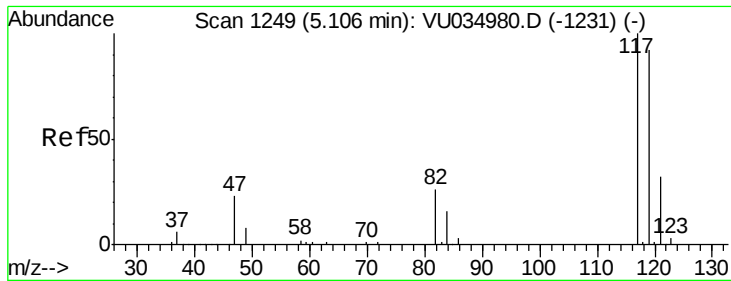
MMDadoda
 10/9/2019 3:47:40 PM



#30
 Cyclohexane
 Concen: 0.232 ug/L
 RT: 4.96 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.9	35.9
84	90.0	69.5	104.3





#31

Carbon tetrachloride

Concen: 0.235 ug/L

RT: 5.11 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:117 Resp: 4091

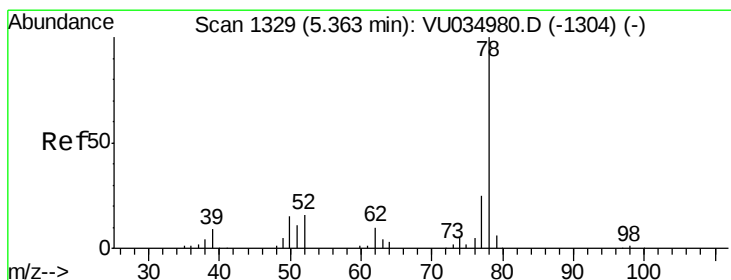
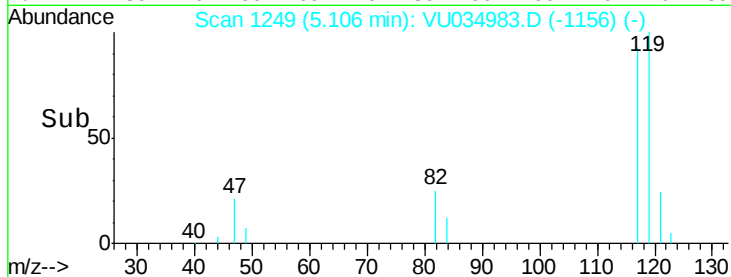
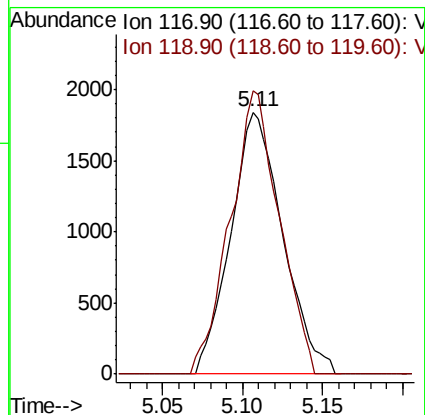
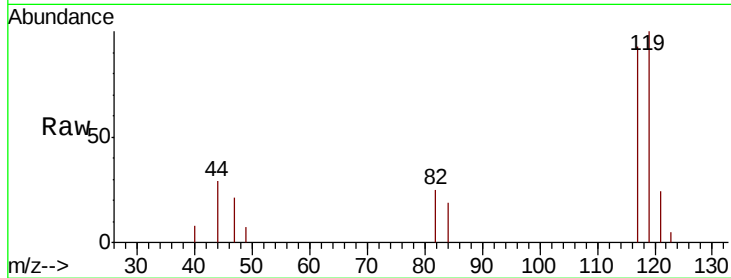
Ion Ratio Lower Upper

117 100

119 102.1 77.5 116.3

Manual Integrations
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MMDadoda
10/9/2019 3:47:40 PM



#33

Benzene

Concen: 0.240 ug/L

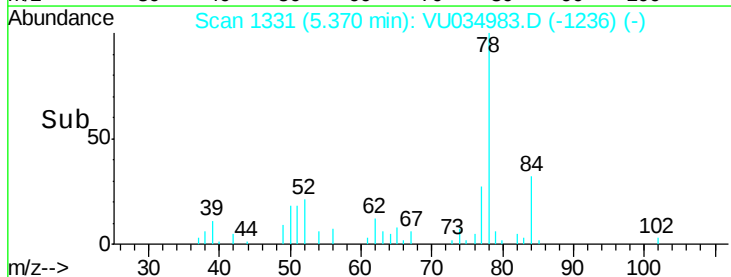
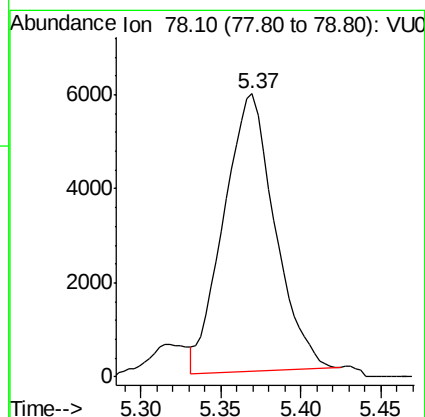
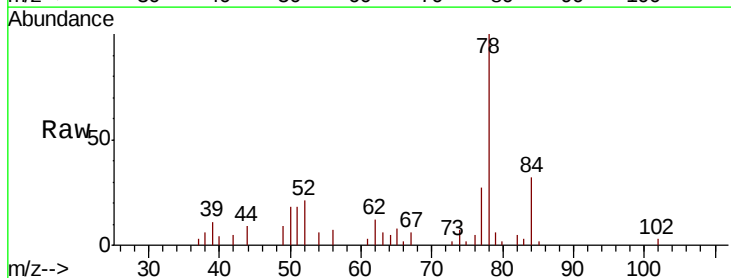
RT: 5.37 min Scan# 1331

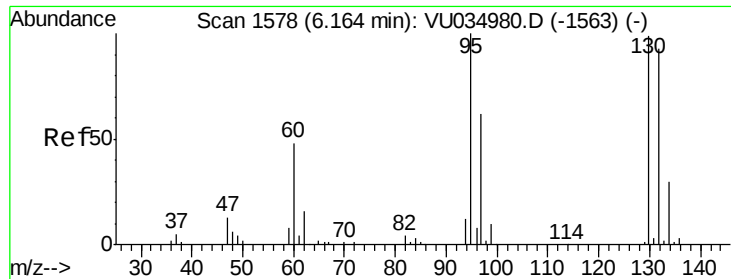
Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Tgt Ion: 78 Resp: 12933





#34

Trichloroethene

Concen: 0.252 ug/L

RT: 6.17 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 95 Resp: 3508

Ion Ratio Lower Upper

95 100

97 71.9 44.5 82.7

132 91.1 66.6 123.8

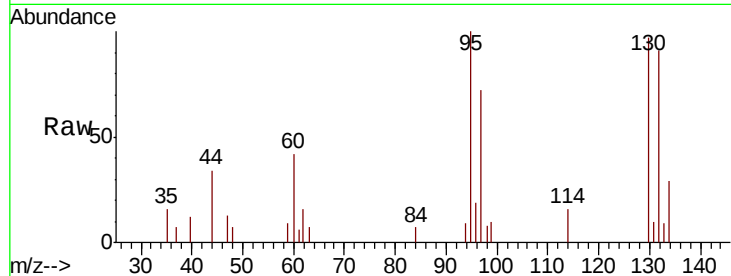
130 97.4 68.9 127.9

Manual Integrations

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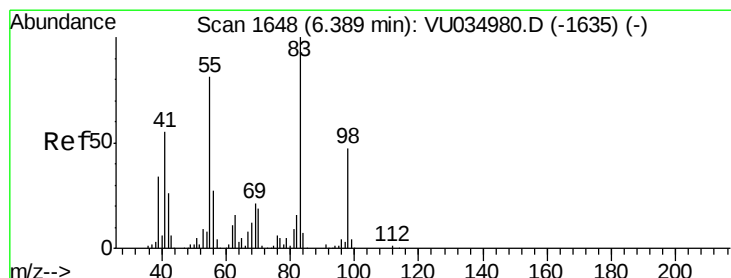
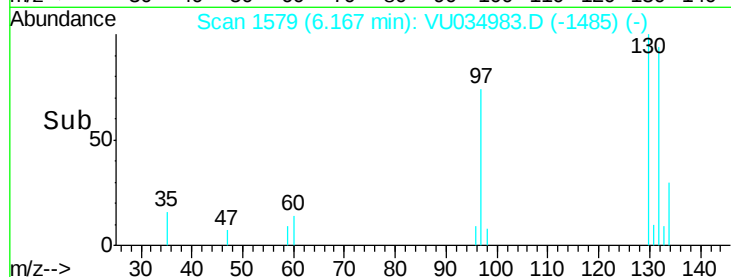
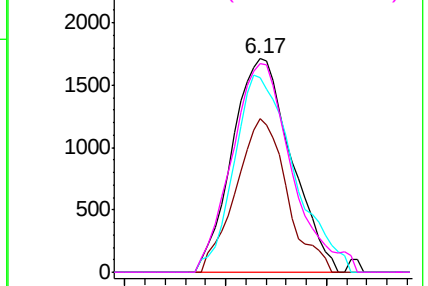
Abundance

Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.236 ug/L

RT: 6.39 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

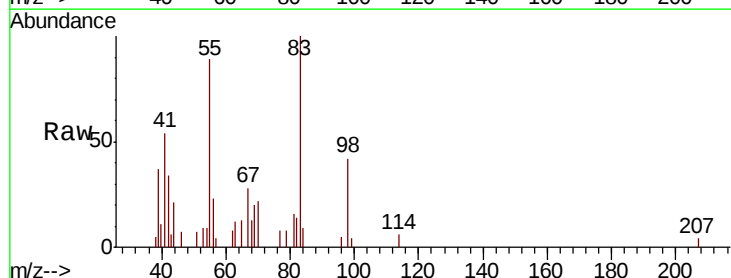
Tgt Ion: 83 Resp: 5317

Ion Ratio Lower Upper

83 100

55 87.2 62.6 94.0

98 42.7 36.2 54.2

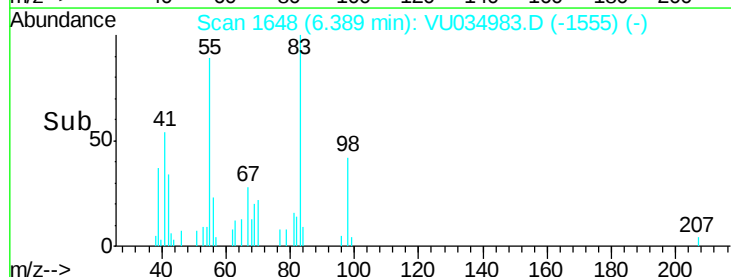
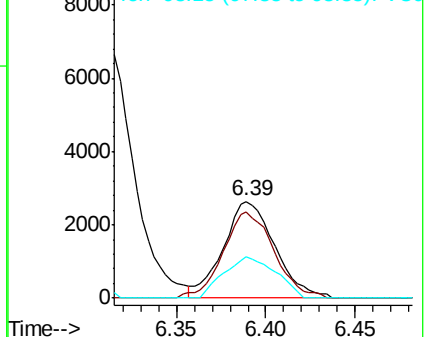


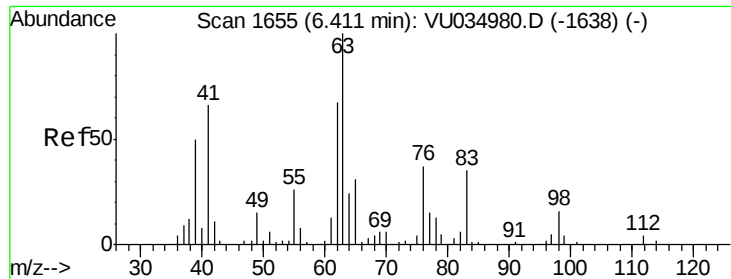
Abundance

Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





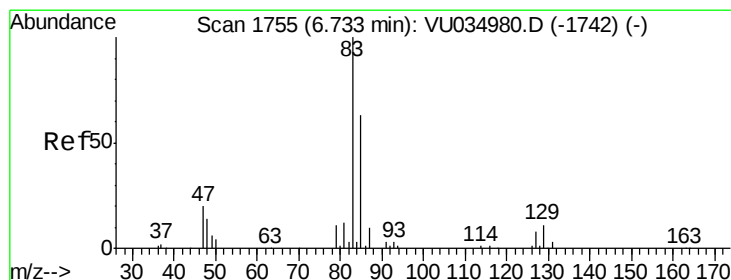
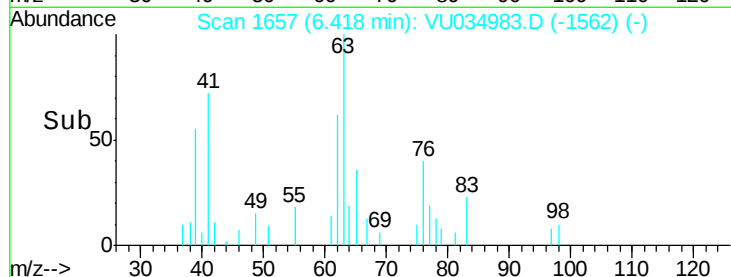
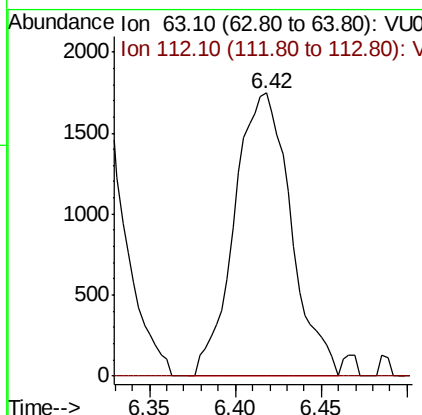
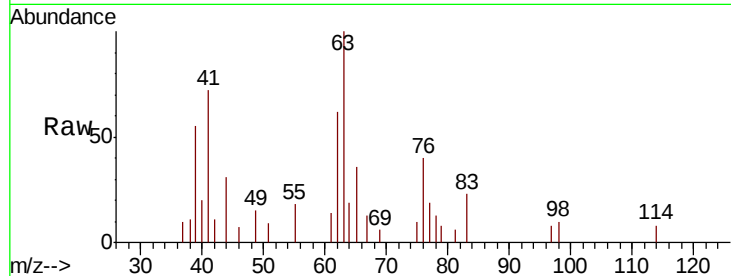
#37
 1,2-Dichloropropane
 Concen: 0.274 ug/L
 RT: 6.42 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

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

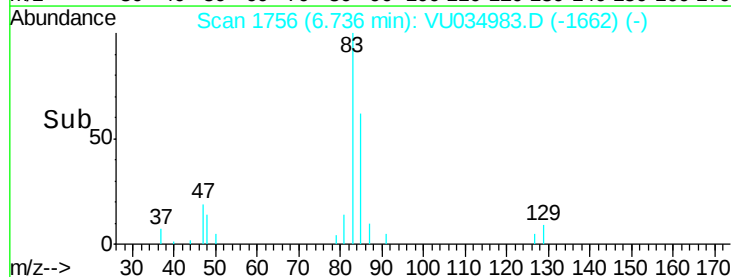
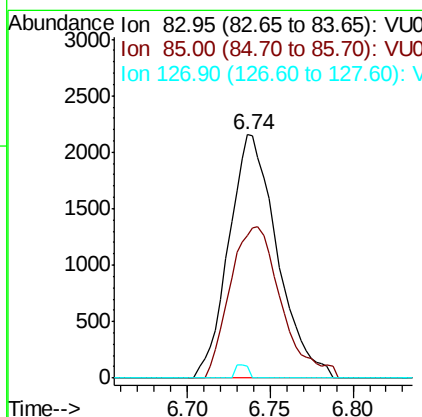
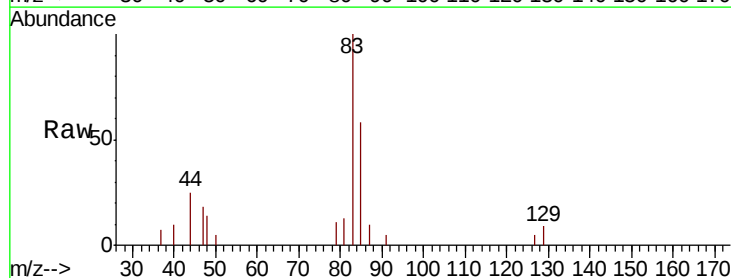
Manual Integrations
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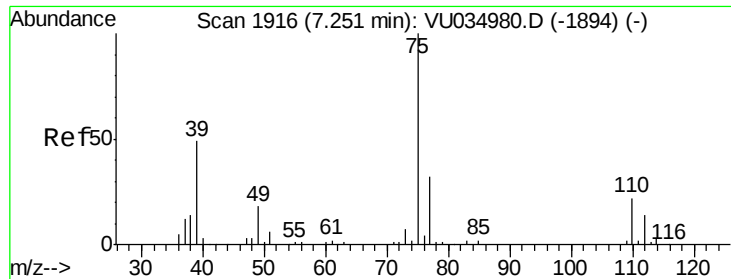
MMDadoda
 10/9/2019 3:47:40 PM



#38
 Bromodichloromethane
 Concen: 0.256 ug/L
 RT: 6.74 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	44.0	81.8
127	4.8	7.0	10.4#





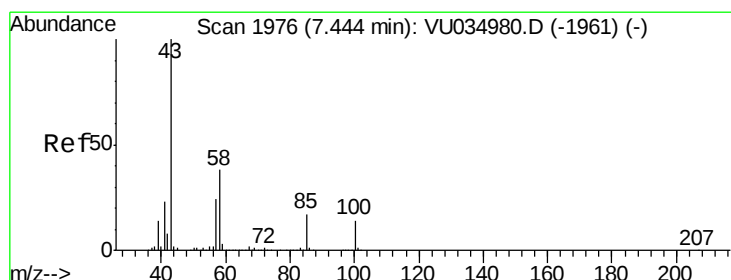
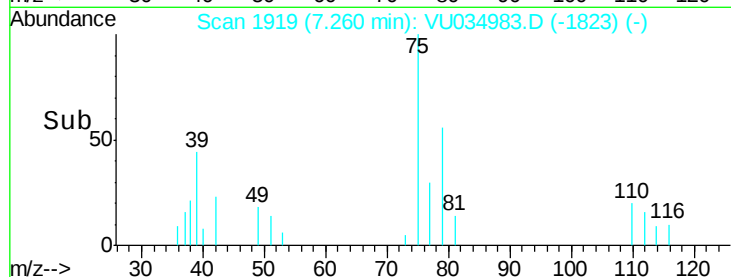
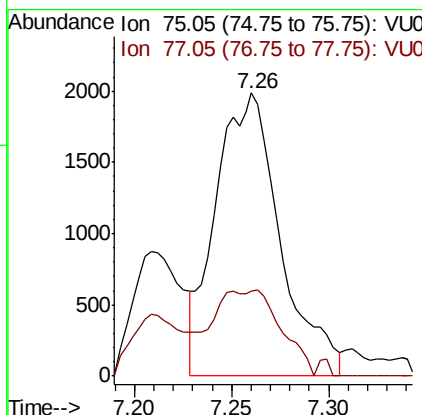
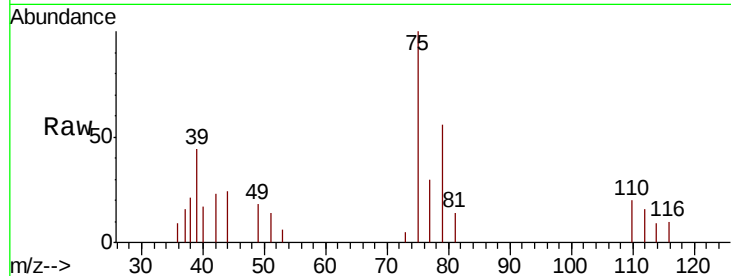
#39
 cis-1,3-Dichloropropene
 Concen: 0.234 ug/L m
 RT: 7.26 min Scan# 1919
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion: 75 Resp: 4609
 Ion Ratio Lower Upper
 75 100
 77 30.0 22.1 41.1

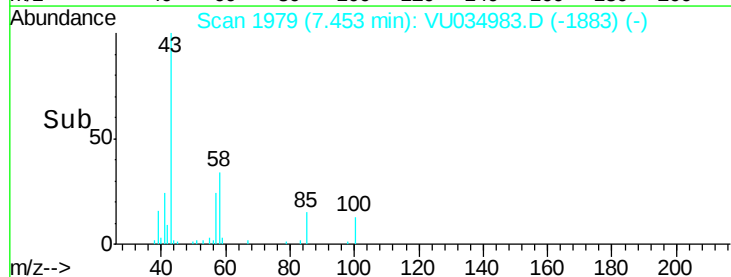
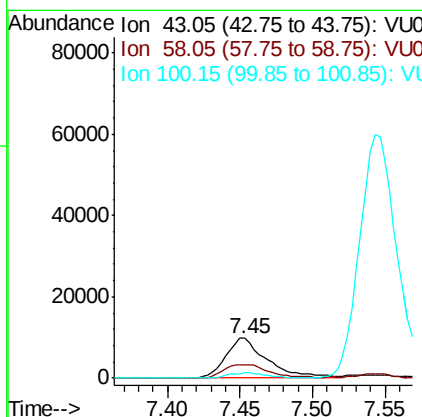
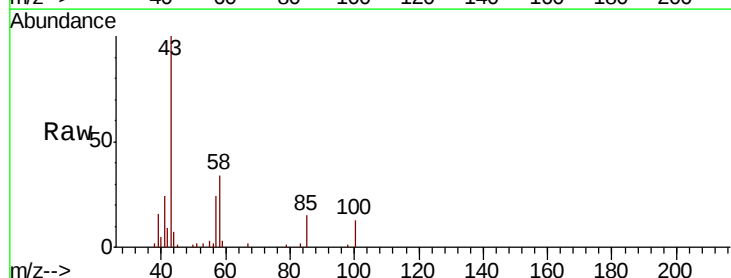
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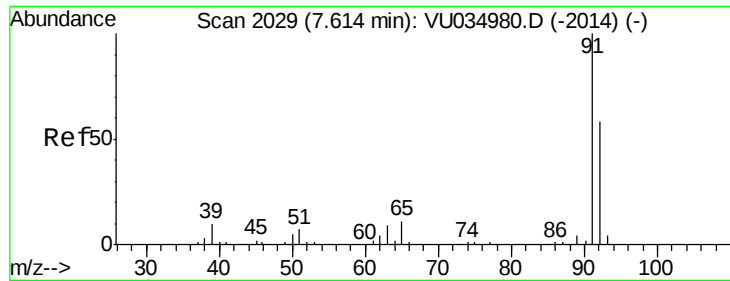
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 2.129 ug/L
 RT: 7.45 min Scan# 1979
 Delta R.T. 0.01 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion: 43 Resp: 19487
 Ion Ratio Lower Upper
 43 100
 58 37.1 32.4 48.6
 100 0.0 11.9 17.9#





#42

Toluene

Concen: 0.246 ug/L

RT: 7.62 min Scan# 2030

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 13860

Ion Ratio Lower Upper

91 100

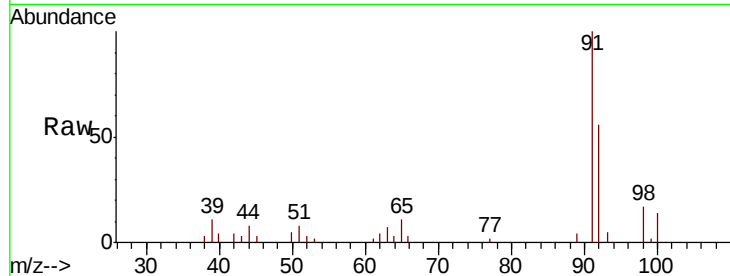
92 56.1 40.0 74.2

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Abundance Ion 91.15 (90.85 to 91.85): VU034983.D (-2030) (-)

Ion 92.15 (91.85 to 92.85): VU034983.D (-2030) (-)

7.62

8000

6000

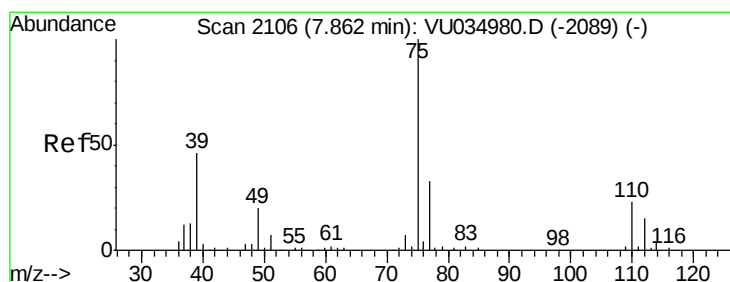
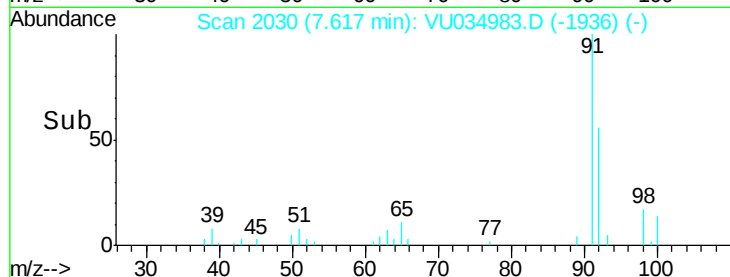
4000

2000

0

7.55 7.60 7.65 7.70

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.222 ug/L m

RT: 7.87 min Scan# 2109

Delta R.T. 0.01 min

Lab File: VU034983.D

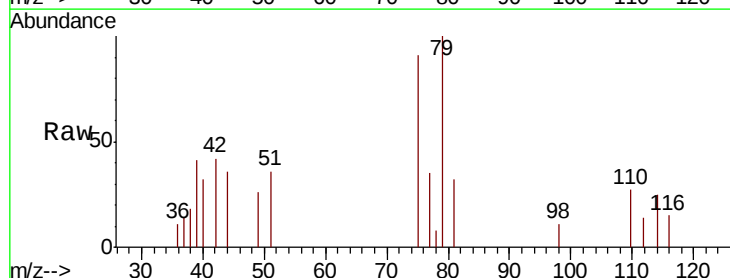
Acq: 08 Oct 2019 11:02

Tgt Ion: 75 Resp: 3385

Ion Ratio Lower Upper

75 100

77 38.8 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VU034983.D (-2106) (-)

Ion 77.05 (76.75 to 77.75): VU034983.D (-2106) (-)

7.87

1500

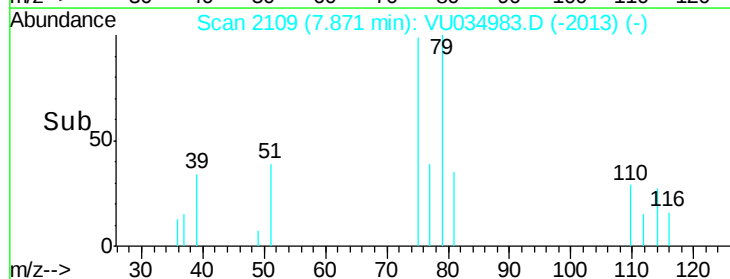
1000

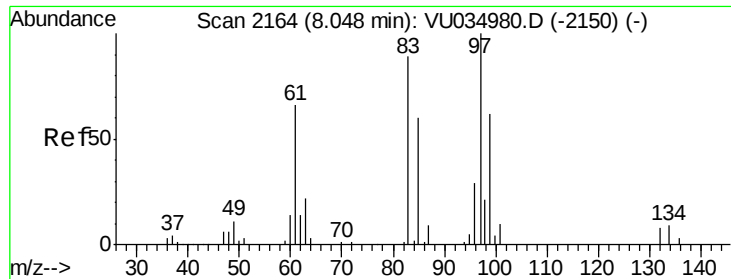
500

0

7.85 7.90

Time-->





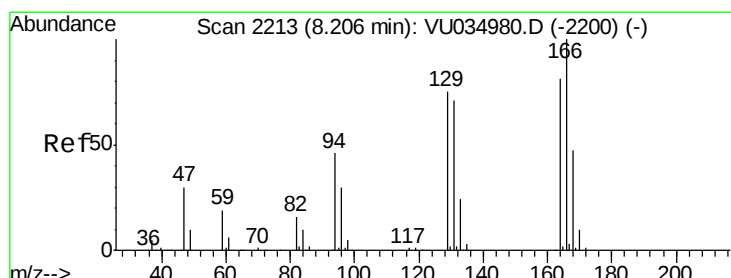
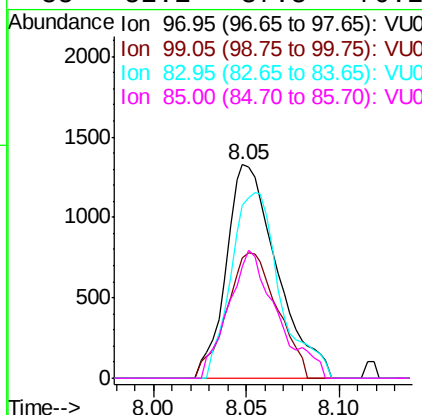
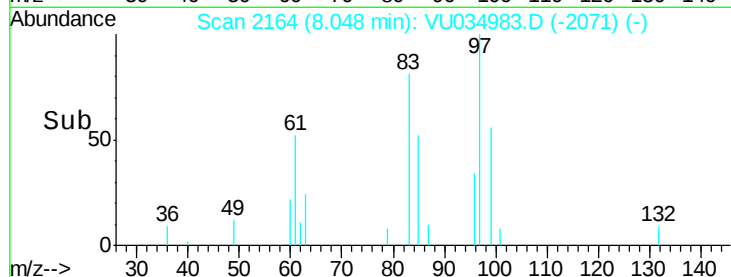
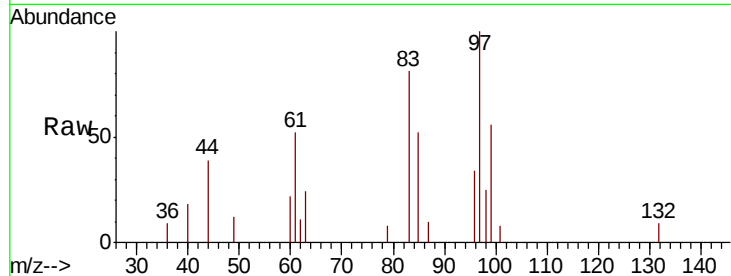
#45
 1,1,2-Trichloroethane
 Concen: 0.262 ug/L
 RT: 8.05 min Scan# 2164
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion:	97	Resp:	2534
Ion	Ratio	Lower	Upper
97	100		
99	56.5	42.3	78.5
83	80.9	58.0	107.6
85	52.1	37.8	70.2

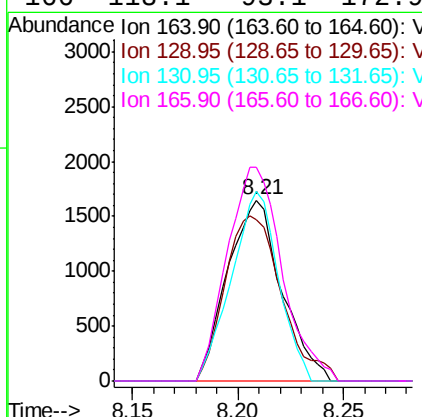
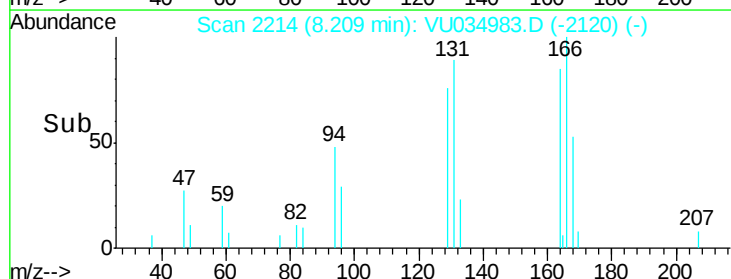
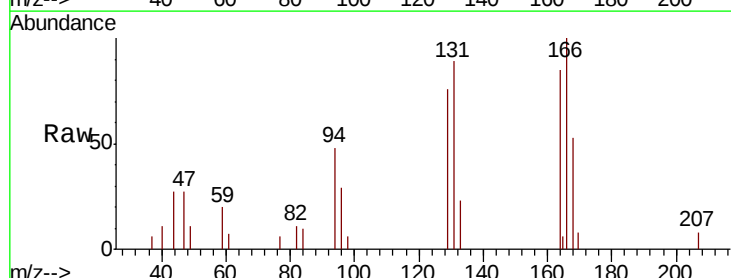
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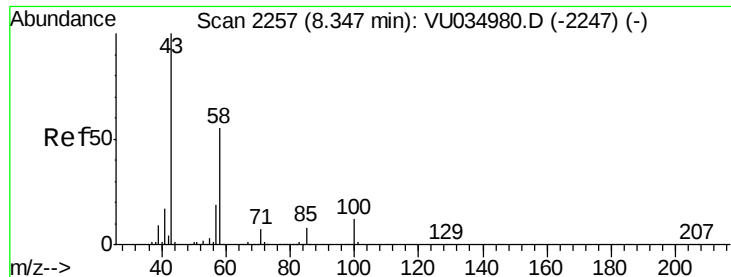
MMDadoda
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#47
 Tetrachloroethene
 Concen: 0.261 ug/L
 RT: 8.21 min Scan# 2214
 Delta R.T. 0.00 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Tgt Ion:	164	Resp:	2942
Ion	Ratio	Lower	Upper
164	100		
129	89.6	68.5	127.1
131	105.0	67.3	124.9
166	118.1	93.1	172.9





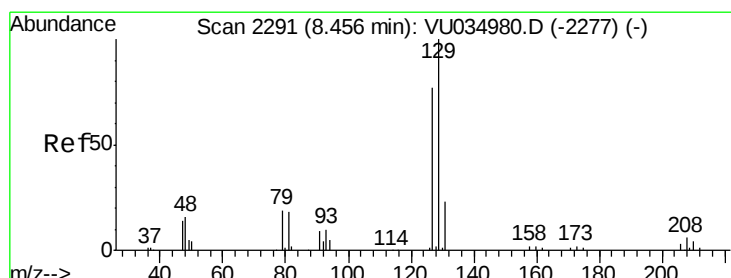
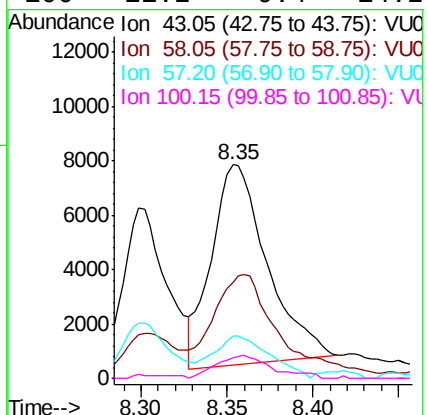
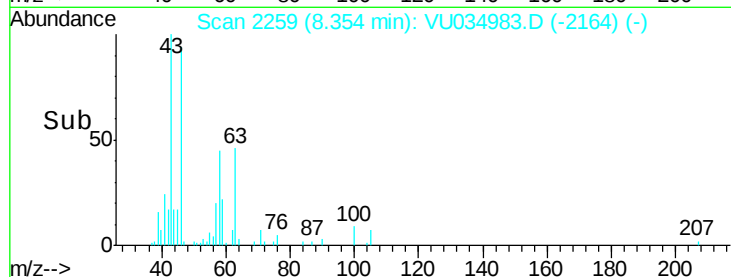
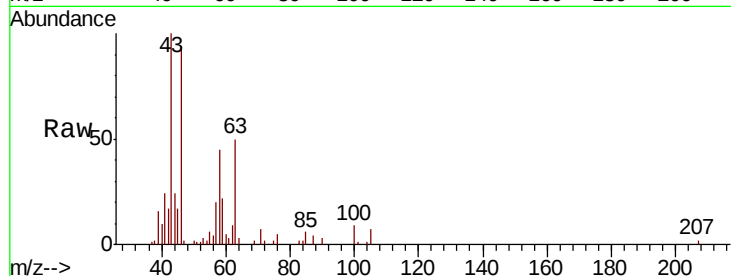
#48
2-Hexanone
Concen: 2.662 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion:	43	Resp:	16703
Ion	Ratio	Lower	Upper
43	100		
58	61.3	44.1	66.1
57	21.3	15.8	23.8
100	11.2	9.4	14.2

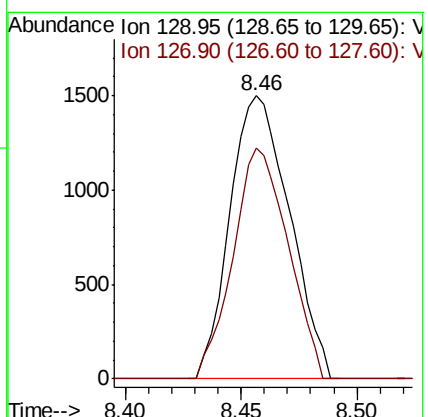
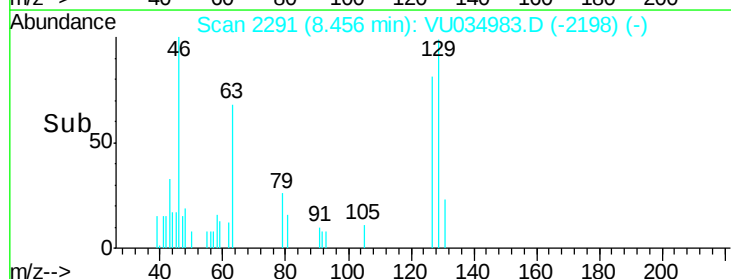
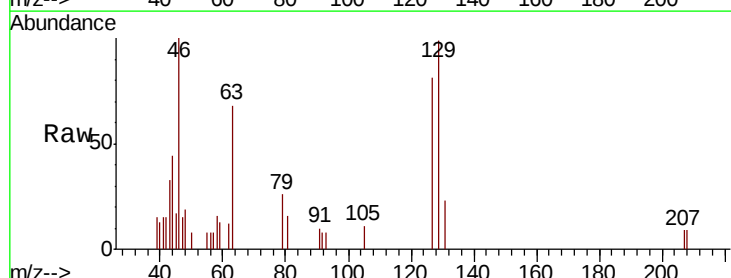
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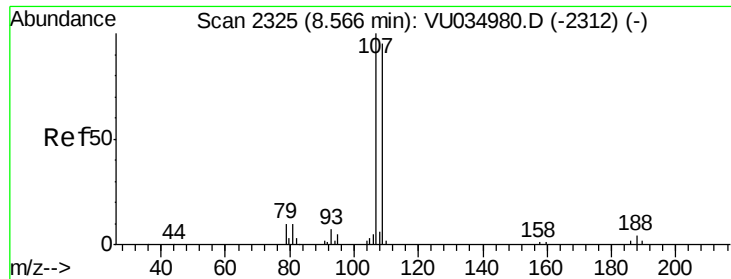
MMDadoda
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#49
Dibromochloromethane
Concen: 0.240 ug/L
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion:	129	Resp:	2676
Ion	Ratio	Lower	Upper
129	100		
127	81.8	51.9	96.5





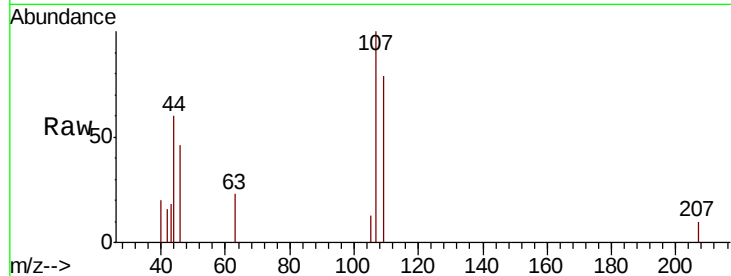
#50
1,2-Dibromoethane
Concen: 0.235 ug/L
RT: 8.58 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

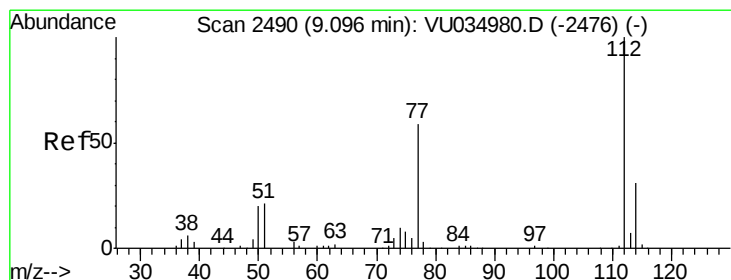
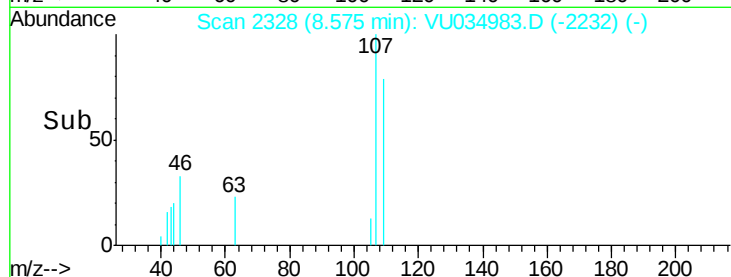
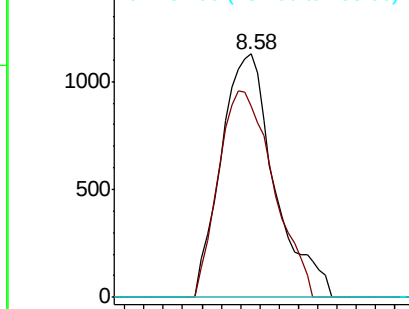
Tot Ion	Ratio	Lower	Upper
107	100		
109	78.5	64.8	120.4
188	0.0	3.0	4.6#

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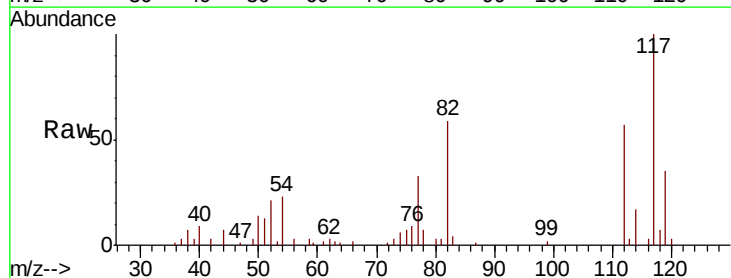


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

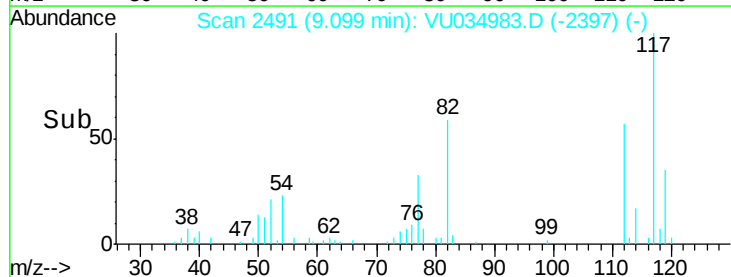
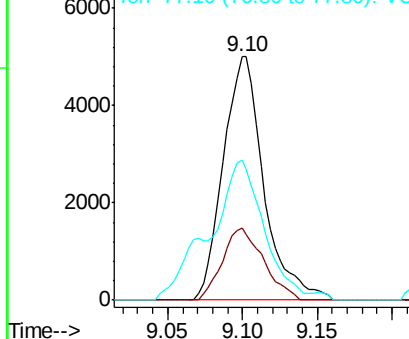


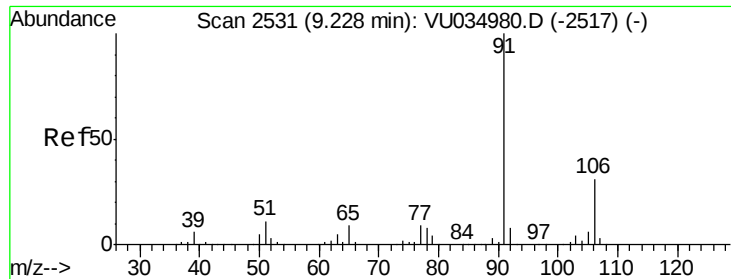
#51
Chlorobenzene
Concen: 0.259 ug/L
RT: 9.10 min Scan# 2491
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.5	22.1	41.1
77	57.6	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: 0.232 ug/L

RT: 9.23 min Scan# 2532

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 14434

Ion Ratio Lower Upper

91 100

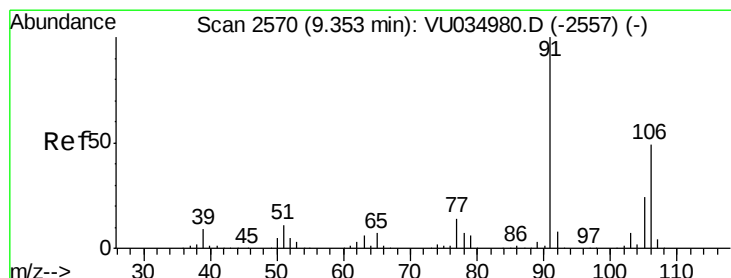
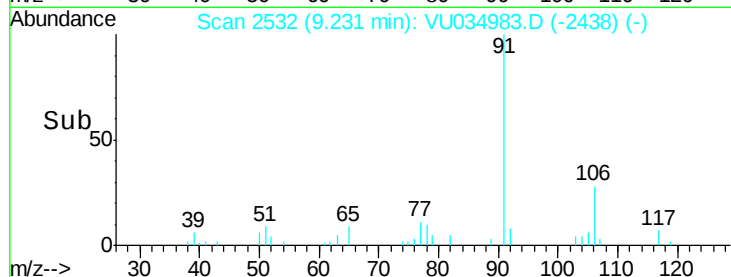
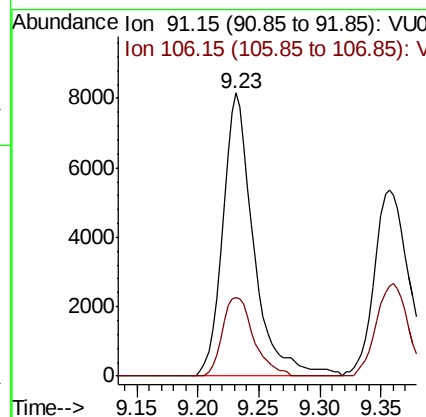
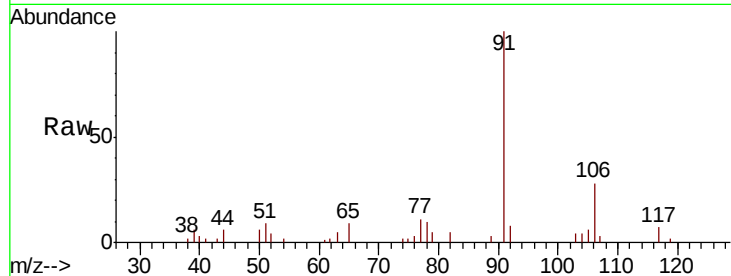
106 27.8 21.6 40.2

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#53

m,p-Xylene

Concen: 0.222 ug/L

RT: 9.36 min Scan# 2572

Delta R.T. 0.01 min

Lab File: VU034983.D

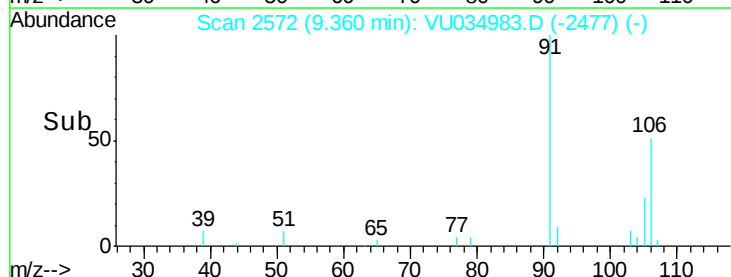
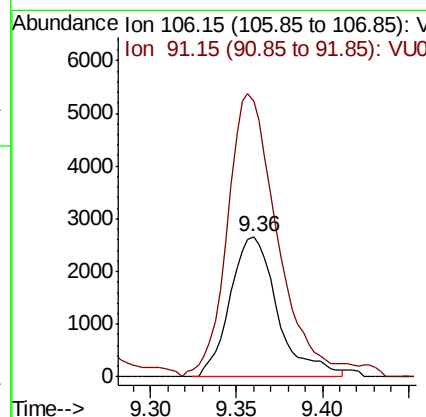
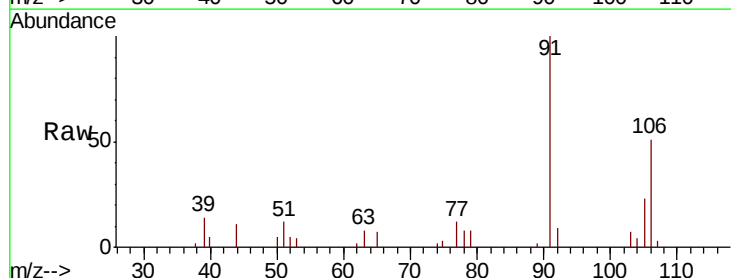
Acq: 08 Oct 2019 11:02

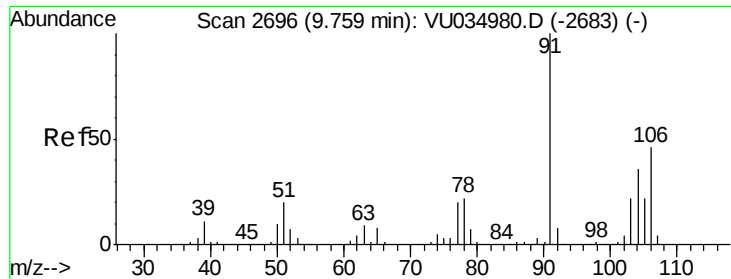
Tgt Ion: 106 Resp: 5106

Ion Ratio Lower Upper

106 100

91 196.5 147.6 274.0





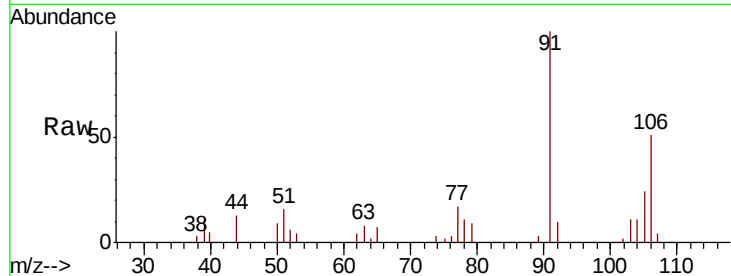
#54
o-Xylene
Concen: 0.220 ug/L
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Instrument :
MSVOA_U
ClientSampleId :
MDL01

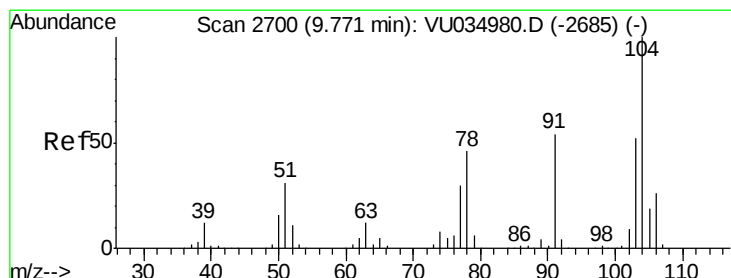
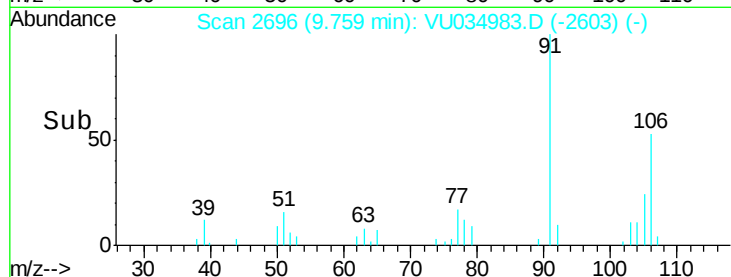
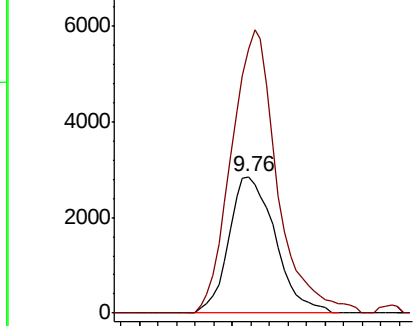
Tot Ion:106 Resp: 4929
Ion Ratio Lower Upper
106 100
91 194.2 148.5 275.7

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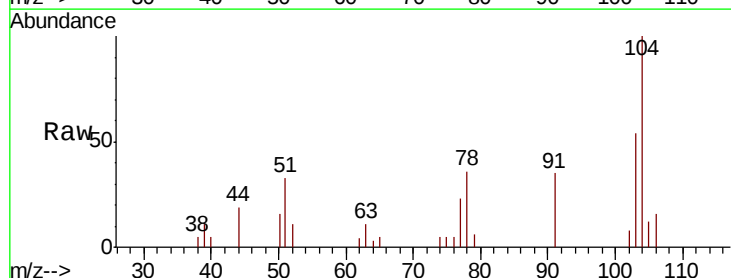


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

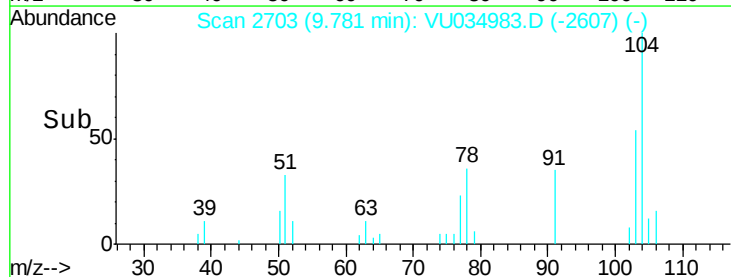
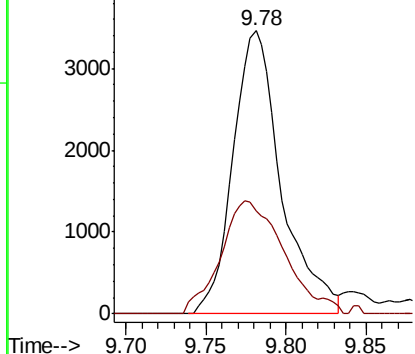


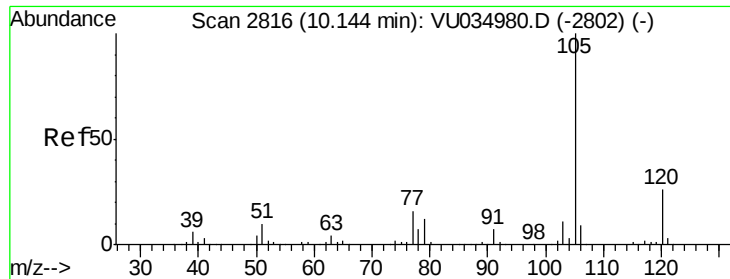
#55
Styrene
Concen: 0.197 ug/L
RT: 9.78 min Scan# 2703
Delta R.T. 0.01 min
Lab File: VU034983.D
Acq: 08 Oct 2019 11:02

Tgt Ion:104 Resp: 7162
Ion Ratio Lower Upper
104 100
78 36.5 32.8 60.8



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





#56

Isopropylbenzene

Concen: 0.218 ug/L

RT: 10.14 min Scan# 2816

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

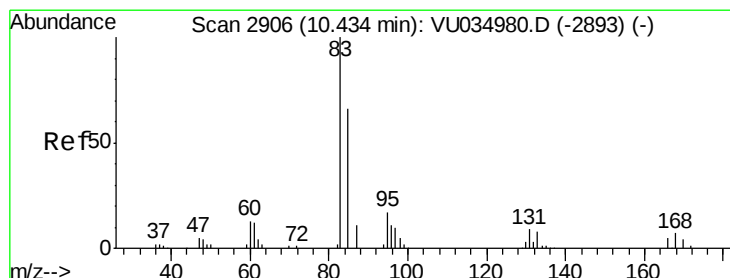
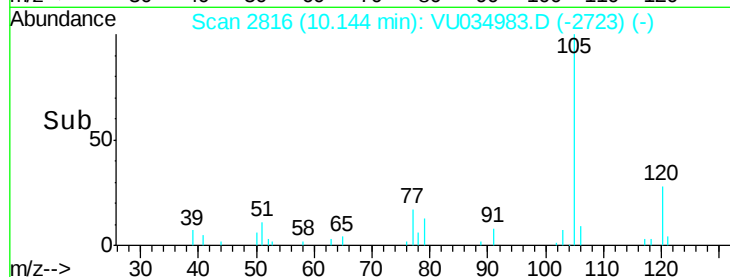
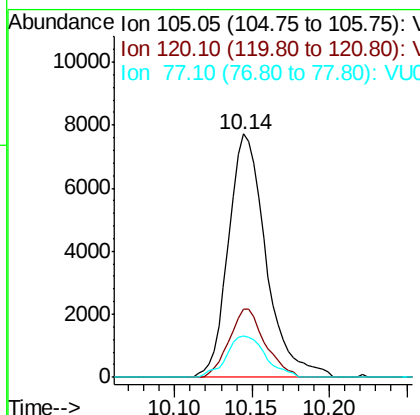
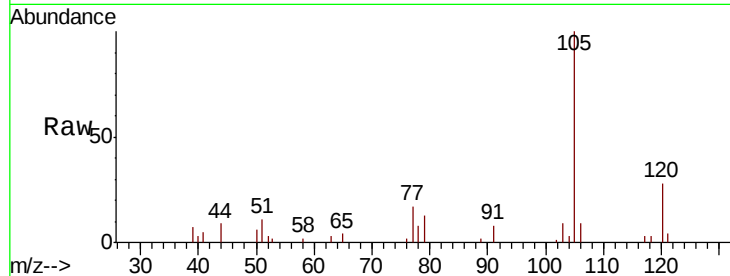
ClientSampled :

MDL01

Tot Ion:	105	Resp:	13011
Ion Ratio	Lower	Upper	
105	100		
120	26.5	21.3	31.9
77	17.5	13.0	19.4

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.267 ug/L

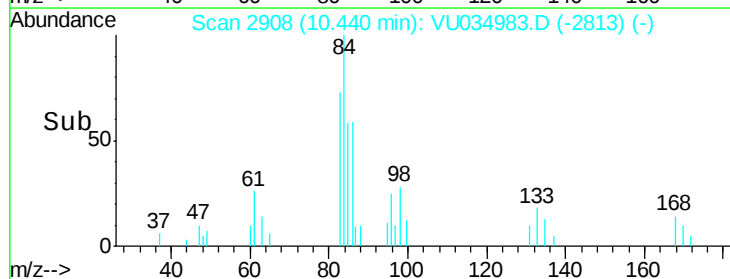
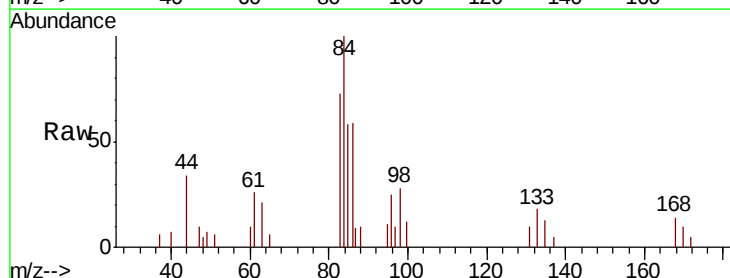
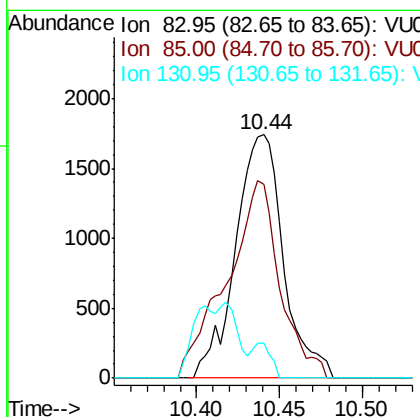
RT: 10.44 min Scan# 2908

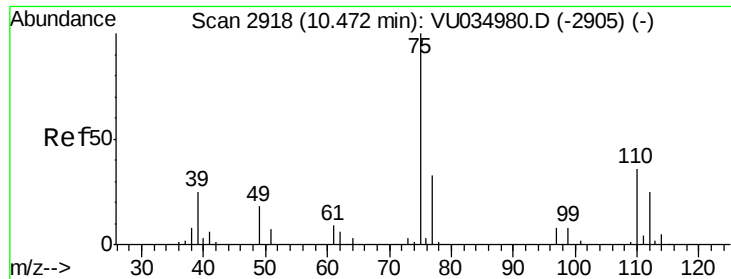
Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Tgt Ion:	83	Resp:	3500
Ion Ratio	Lower	Upper	
83	100		
85	79.6	44.6	82.8
131	14.2	7.4	11.2#





#59

1,2,3-Trichloropropane

Concen: 0.233 ug/L

RT: 10.48 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 75 Resp: 2197

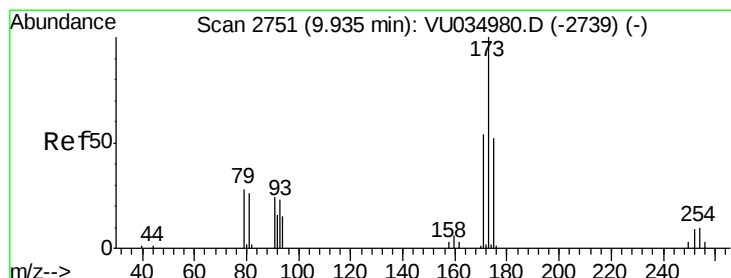
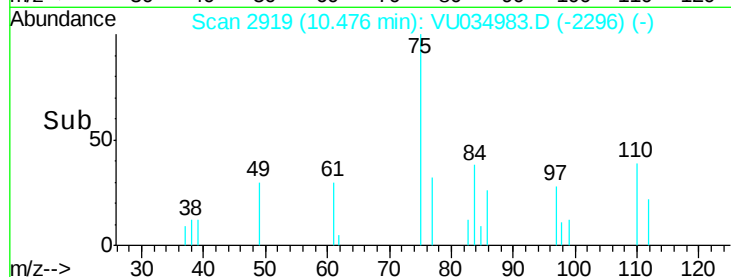
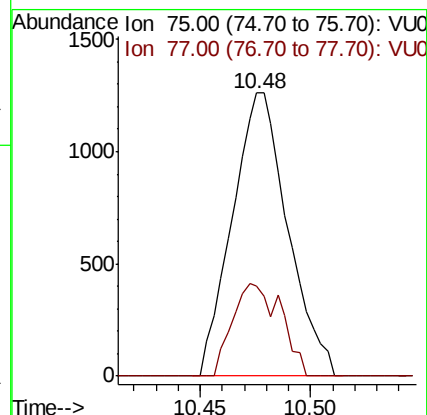
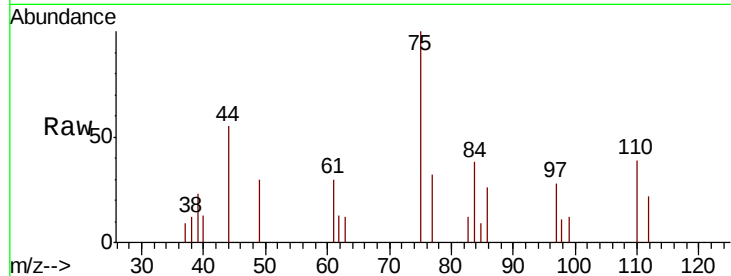
Ion Ratio Lower Upper

75 100

77 28.6 26.5 39.7

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#61

Bromoform

Concen: 0.239 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

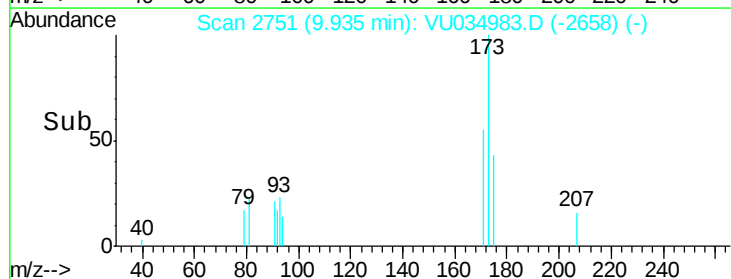
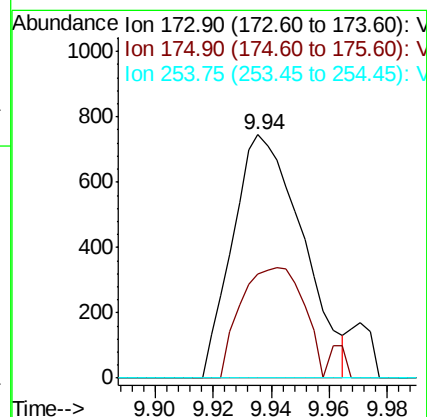
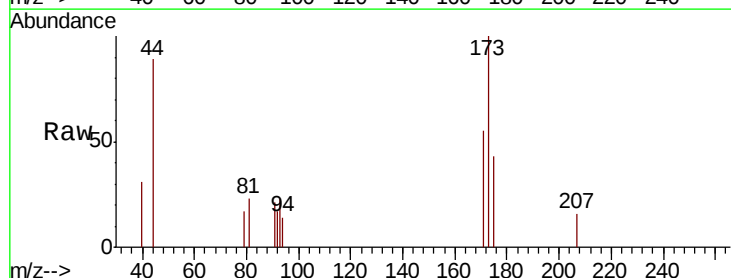
Tgt Ion: 173 Resp: 1244

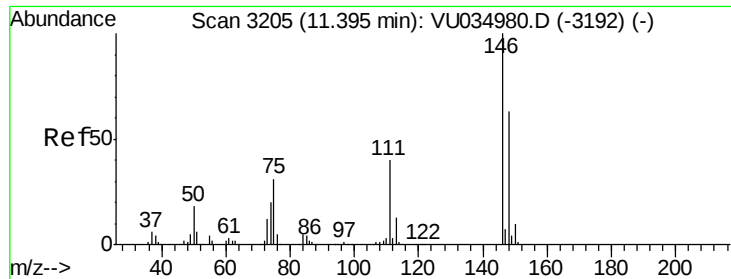
Ion Ratio Lower Upper

173 100

175 40.9 37.2 55.8

254 0.0 6.6 9.8#





#62

1,3-Dichlorobenzene

Concen: 0.264 ug/L

RT: 11.40 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

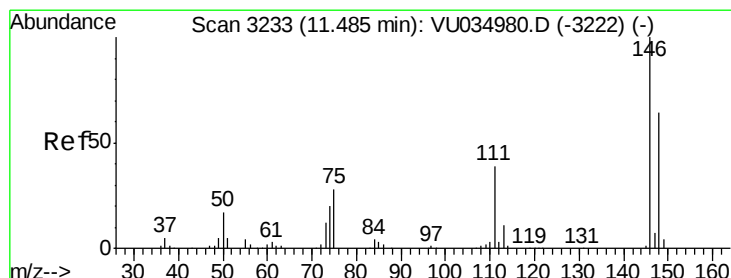
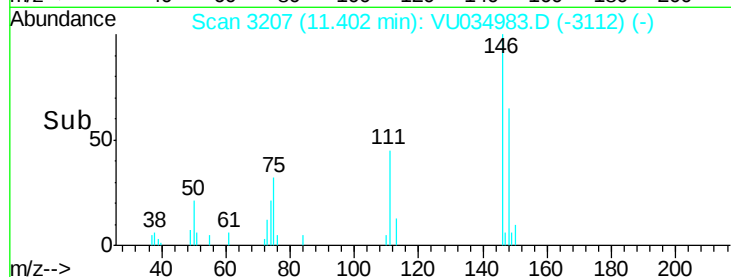
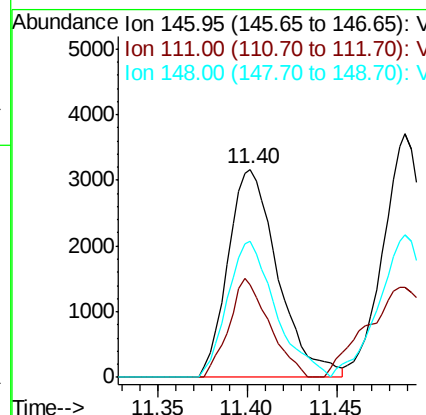
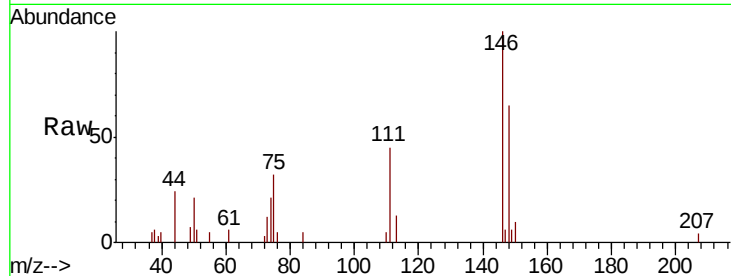
ClientSampled :

MDL01

Tot Ion:	146	Resp:	6165
Ion Ratio	Lower	Upper	
146	100		
111	44.5	28.6	53.2
148	65.2	45.0	83.6

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 0.285 ug/L

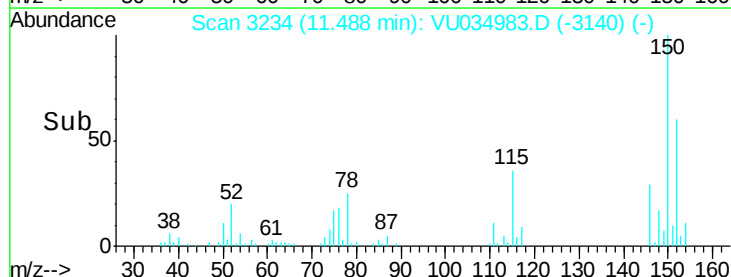
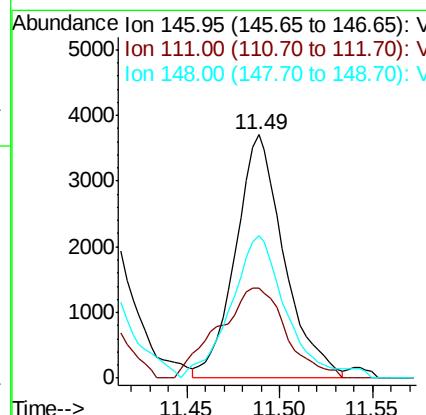
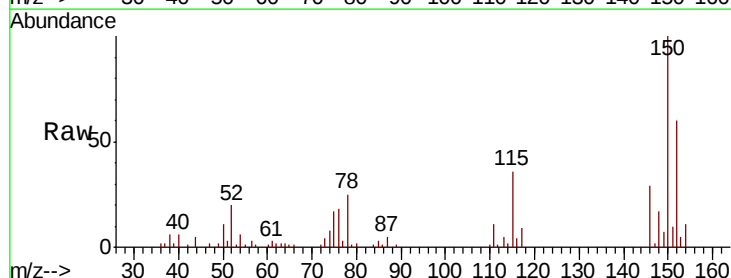
RT: 11.49 min Scan# 3234

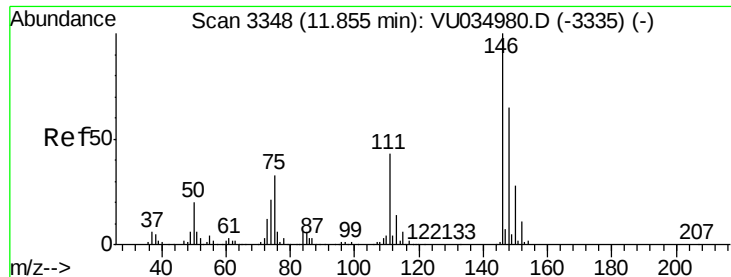
Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Tgt Ion:	146	Resp:	6729
Ion Ratio	Lower	Upper	
146	100		
111	36.9	27.9	51.7
148	58.6	44.1	81.9





#65

1,2-Dichlorobenzene

Concen: 0.287 ug/L

RT: 11.86 min Scan# 3349

Delta R.T. 0.00 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Instrument :

MSVOA_U

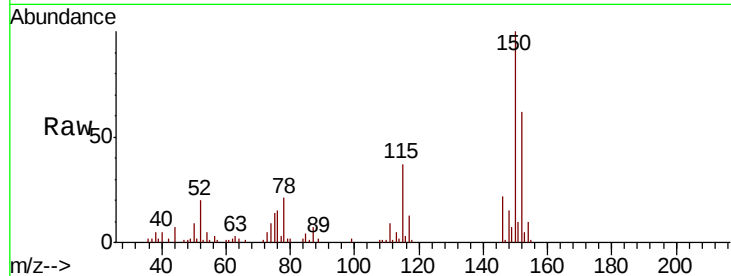
ClientSampleId :

MDL01

Tot Ion:	146	Resp:	6472
Ion Ratio	Lower	Upper	
146	100		
111	41.4	34.2	51.4
148	65.9	52.0	78.0

Manual Integrations
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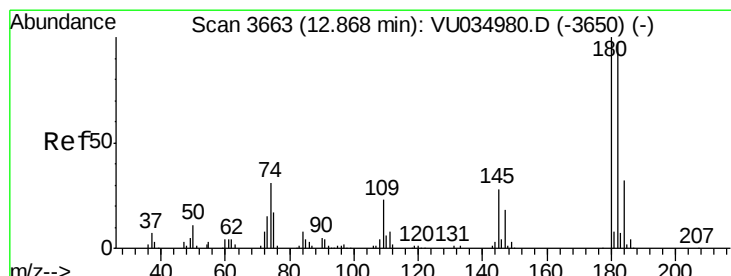
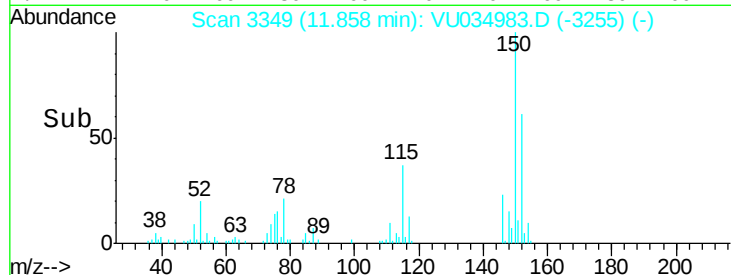
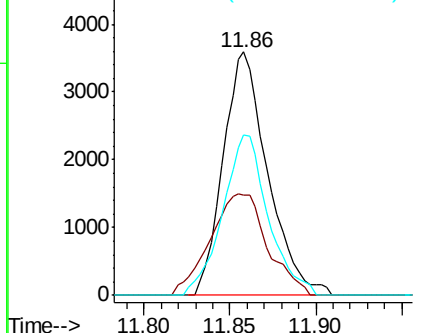


Abundance

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: 0.205 ug/L m

RT: 12.88 min Scan# 3666

Delta R.T. 0.01 min

Lab File: VU034983.D

Acq: 08 Oct 2019 11:02

Tgt Ion:	180	Resp:	3240
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.0	114.0
184	25.7	24.2	36.2
145	21.2	24.6	37.0#

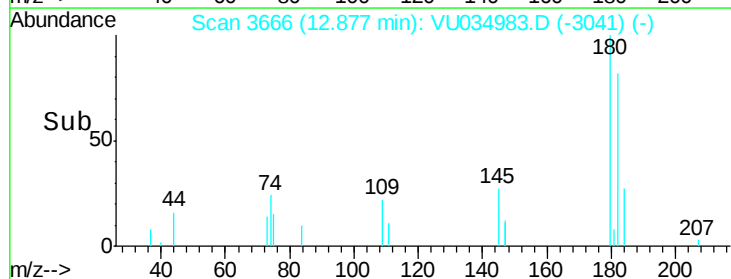
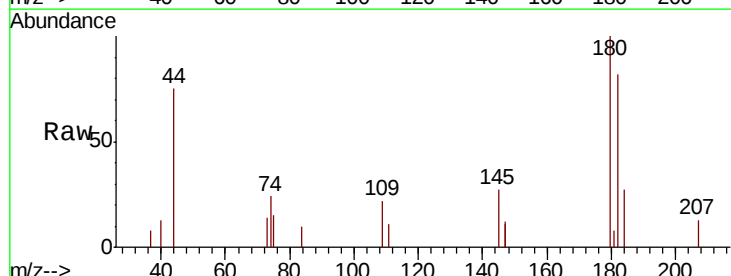
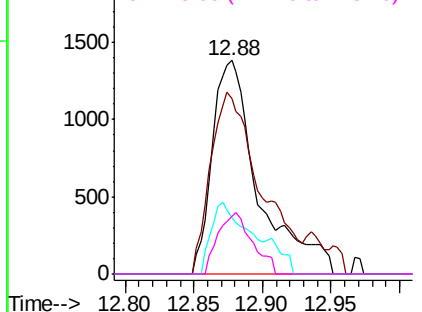
Abundance

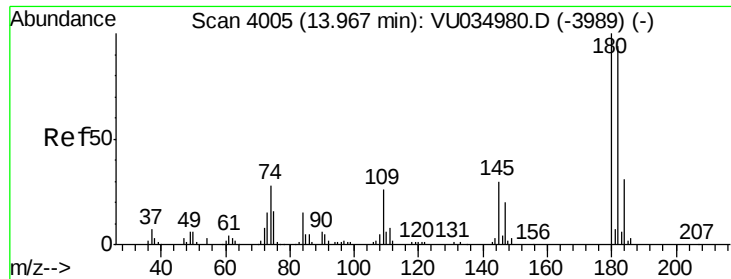
Ion 180.00 (179.70 to 180.70): V

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: 0.148 ug/L m
 RT: 14.00 min Scan# 4016
 Delta R.T. 0.04 min
 Lab File: VU034983.D
 Acq: 08 Oct 2019 11:02

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	37.2	77.0	115.4#
145	9.9	25.9	38.9#

Manual Integrations
 APPROVED

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