

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040018.D
 Acq On : 02 Sep 2020 11:47
 Operator : SY/MD
 Sample : MDL03
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:30 PM

Quant Time: Sep 03 01:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	109317	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	108097	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	48668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	28307	4.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.80%
7) Chloroethane-d5	1.92	69	25187	5.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.40%
11) 1,1-Dichloroethene-d2	2.58	63	51424	3.36	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.20%
20) 2-Butanone-d5	4.66	46	133899	56.09	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	5.08	84	66739	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.72	65	44581	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.74	84	127685	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.70	67	42679	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.91	98	109300	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	8.19	79	17365	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	8.64	63	95315	52.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.32%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37151	5.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	42491	5.40	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2164	0.199 ug/L	98
3) Chloromethane	1.53	50	2431	0.234 ug/L	91
5) Vinyl chloride	1.61	62	2264	0.215 ug/L #	57
6) Bromomethane	1.87	94	1397	0.260 ug/L	74
8) Chloroethane	1.94	64	1537	0.243 ug/L	100
9) Trichlorofluoromethane	2.15	101	3044	0.202 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2195	0.224 ug/L #	87
12) 1,1-Dichloroethene	2.59	96	2047	0.242 ug/L #	1
13) Acetone	2.67	43	5011m	2.267 ug/L	
14) Carbon disulfide	2.81	76	5318	0.196 ug/L #	82
15) Methyl Acetate	2.98	43	1163	0.210 ug/L #	67
16) Methylene chloride	3.06	84	3960	0.357 ug/L	93
17) Methyl tert-butyl Ether	3.38	73	4629	0.182 ug/L	94
18) trans-1,2-Dichloroethene	3.38	96	2090	0.230 ug/L	91
19) 1,1-Dichloroethane	3.89	63	3495	0.187 ug/L #	89
21) 2-Butanone	4.75	43	8718	2.416 ug/L	78
22) cis-1,2-Dichloroethene	4.69	96	2075	0.212 ug/L	75

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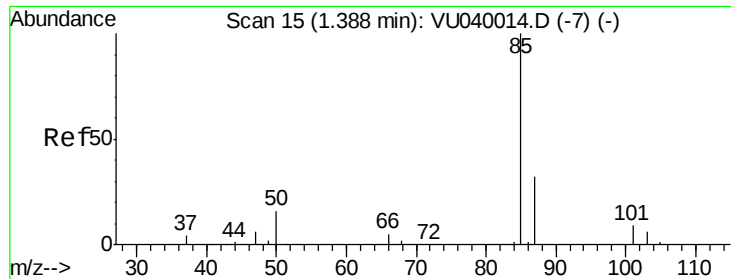
Manual Integrations
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 9/4/2020 2:20:30 PM

Quant Time: Sep 03 01:40:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	801	0.187	ug/L #	82
25) Chloroform	5.11	83	6462	0.337	ug/L	83
27) 1,2-Dichloroethane	5.81	62	2747	0.195	ug/L #	87
29) 1,1,1-Trichloroethane	5.33	97	3205	0.189	ug/L	94
30) Cyclohexane	5.41	56	2991	0.182	ug/L	88
31) Carbon tetrachloride	5.54	117	2988	0.206	ug/L	90
33) Benzene	5.79	78	7588	0.196	ug/L	100
34) Trichloroethene	6.55	95	1986	0.191	ug/L	87
35) Methylcyclohexane	6.78	83	2837	0.179	ug/L	94
37) 1,2-Dichloropropane	6.81	63	2072	0.198	ug/L #	88
38) Bromodichloromethane	7.12	83	2850	0.199	ug/L #	94
39) cis-1,3-Dichloropropene	7.62	75	2787	0.180	ug/L	84
40) 4-Methyl-2-pentanone	7.80	43	15886	1.849	ug/L #	91
42) Toluene	7.98	91	7745	0.194	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	2637	0.184	ug/L #	38
45) 1,1,2-Trichloroethane	8.41	97	1493	0.196	ug/L	89
47) Tetrachloroethene	8.56	164	1249	0.183	ug/L	80
48) 2-Hexanone	8.69	43	14148	2.258	ug/L	96
49) Dibromochloromethane	8.82	129	1996	0.218	ug/L	88
50) 1,2-Dibromoethane	8.92	107	1450	0.197	ug/L #	92
51) Chlorobenzene	9.45	112	5491	0.222	ug/L	94
52) Ethylbenzene	9.57	91	8134	0.180	ug/L	97
53) m,p-Xylene	9.69	106	2914	0.181	ug/L	88
54) o-Xylene	10.10	106	2946	0.192	ug/L	94
55) Styrene	10.11	104	4941	0.185	ug/L	92
56) Isopropylbenzene	10.48	105	7172	0.171	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	2514	0.257	ug/L	91
59) 1,2,3-Trichloropropane	10.82	75	1646m	0.212	ug/L	
61) Bromoform	10.29	173	752	0.168	ug/L #	77
62) 1,3-Dichlorobenzene	11.74	146	3859	0.217	ug/L	90
63) 1,4-Dichlorobenzene	11.83	146	3768	0.209	ug/L	100
65) 1,2-Dichlorobenzene	12.21	146	3516	0.204	ug/L	87
66) 1,2-Dibromo-3-chloropropan	12.99	75	336	0.183	ug/L	93
67) 1,3,5-Trichlorobenzene	13.21	180	2393	0.191	ug/L	97
68) 1,2,4-trichlorobenzene	13.83	180	2027	0.188	ug/L	90
69) Naphthalene	14.08	128	3877	0.173	ug/L #	92
70) 1,2,3-Trichlorobenzene	14.32	180	1891	0.191	ug/L	89

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



#2

Dichlorodifluoromethane

Concen: 0.199 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 85 Resp: 2164

Ion Ratio Lower Upper

85 100

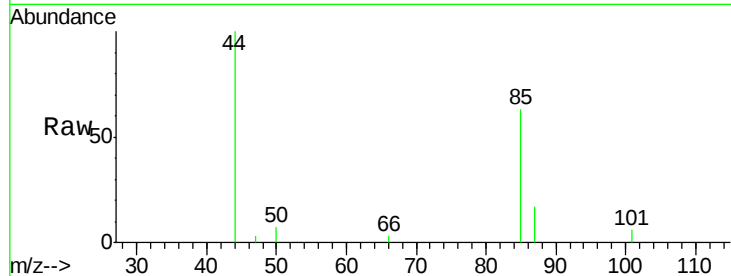
87 31.4 25.9 38.9

Manual Integrations

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Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

1.39

2500

2000

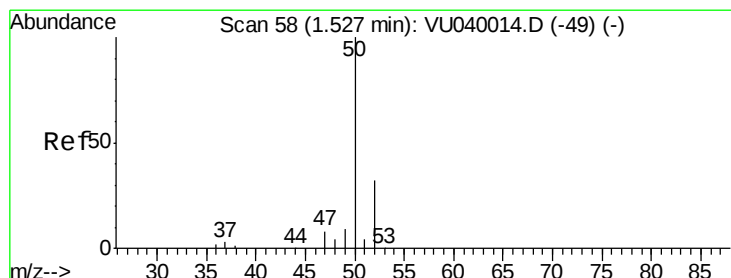
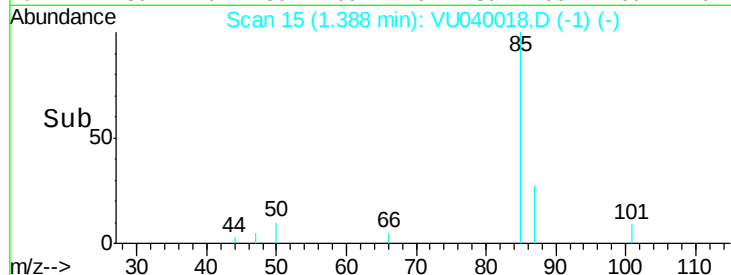
1500

1000

500

0

Time-->



#3

Chloromethane

Concen: 0.234 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040018.D

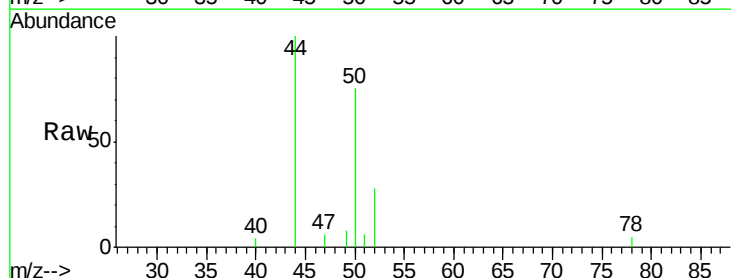
Acq: 02 Sep 2020 11:47

Tgt Ion: 50 Resp: 2431

Ion Ratio Lower Upper

50 100

52 37.9 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0

1.53

2500

2000

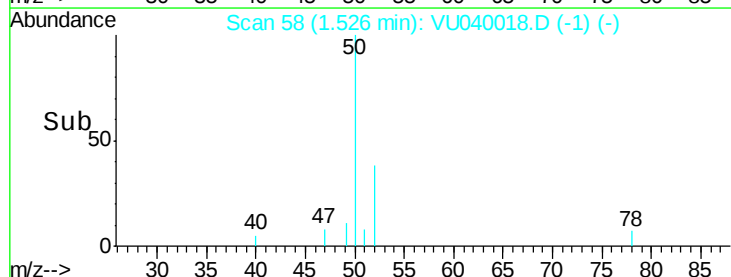
1500

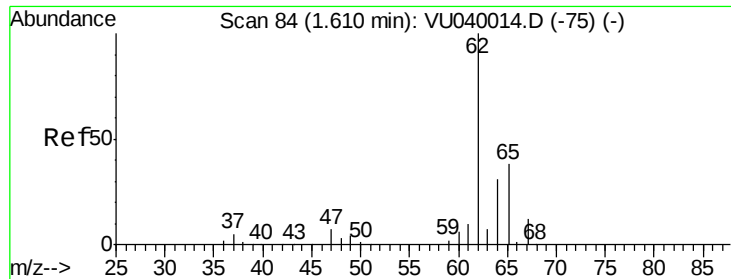
1000

500

0

Time-->





#5

Vinyl chloride

Concen: 0.215 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 62 Resp: 2264

Ion Ratio Lower Upper

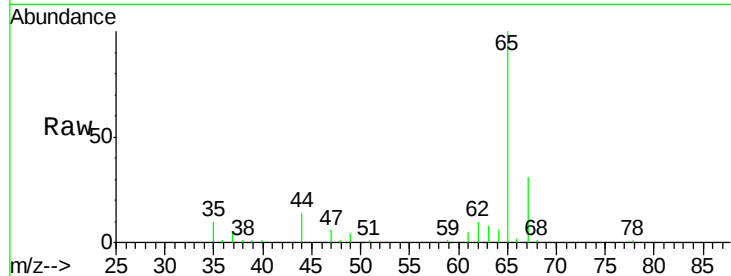
62 100

64 58.6 23.9 44.3#

Manual Integrations
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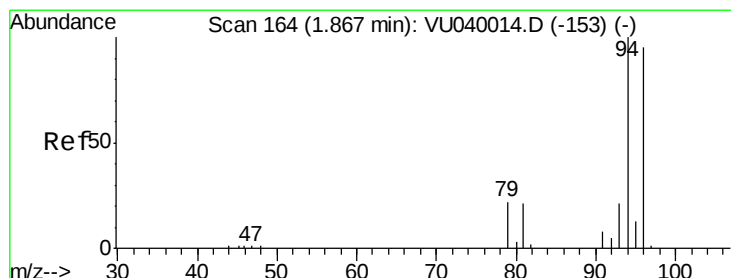
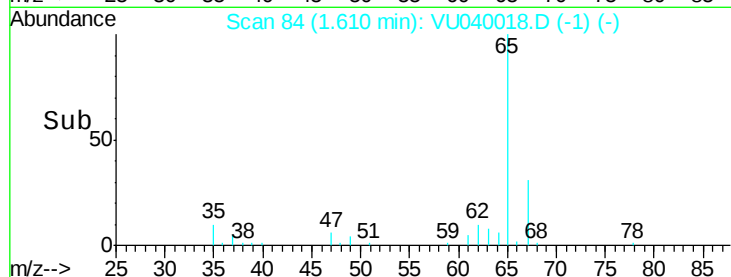
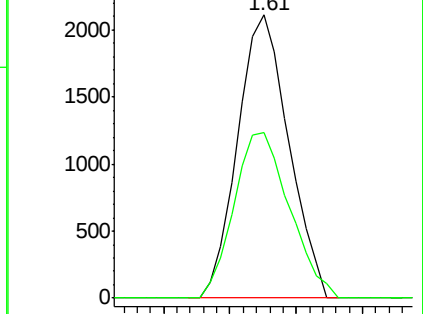
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Abundance Ion 62.00 (61.70 to 62.70): VU040014.D (-75) (-)

Ion 64.10 (63.80 to 64.80): VU040014.D (-75) (-)



#6

Bromomethane

Concen: 0.260 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU040018.D

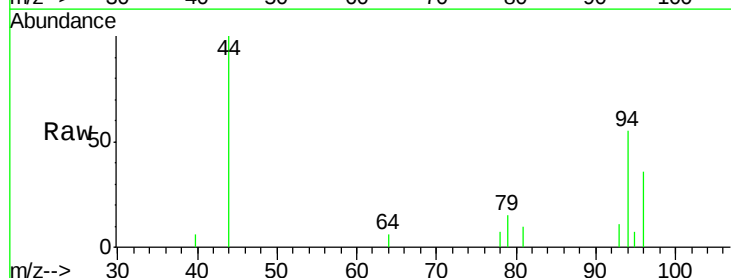
Acq: 02 Sep 2020 11:47

Tgt Ion: 94 Resp: 1397

Ion Ratio Lower Upper

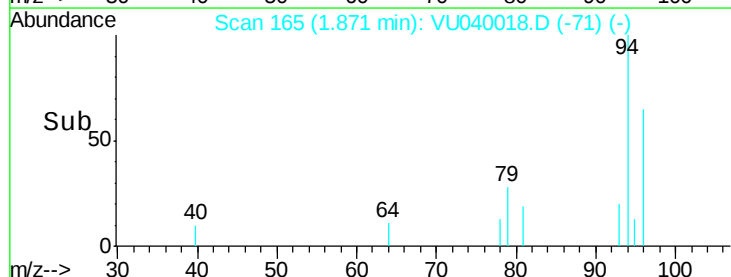
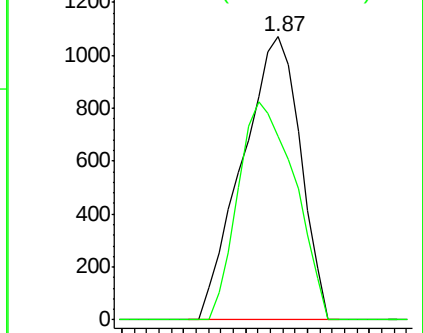
94 100

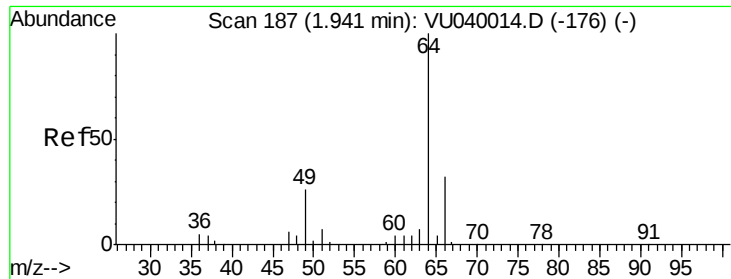
96 65.0 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU040014.D (-153) (-)

Ion 96.00 (95.70 to 96.70): VU040014.D (-153) (-)





#8

Chloroethane

Concen: 0.243 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 64 Resp: 1537

Ion Ratio Lower Upper

64 100

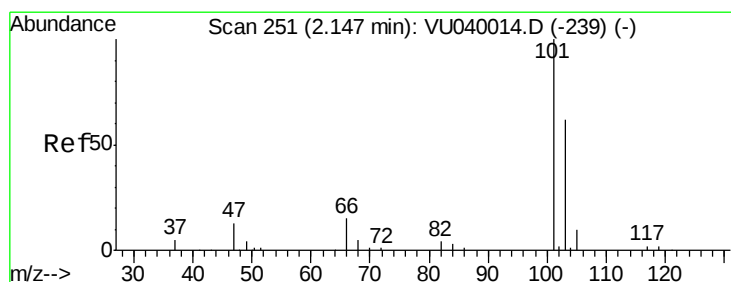
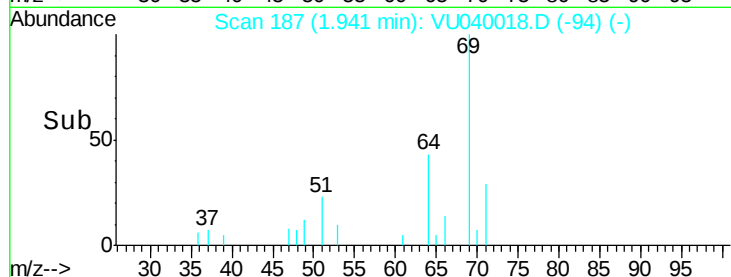
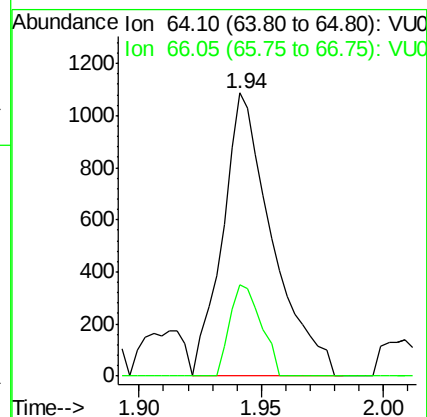
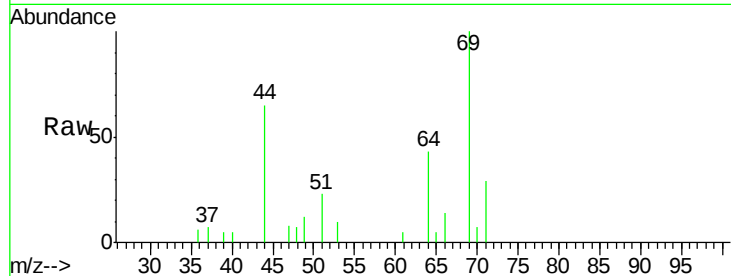
66 32.5 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.202 ug/L

RT: 2.15 min Scan# 253

Delta R.T. 0.01 min

Lab File: VU040018.D

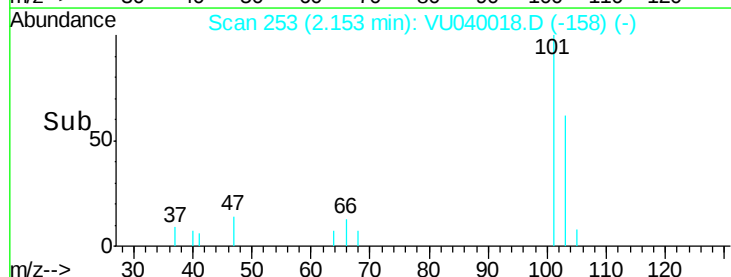
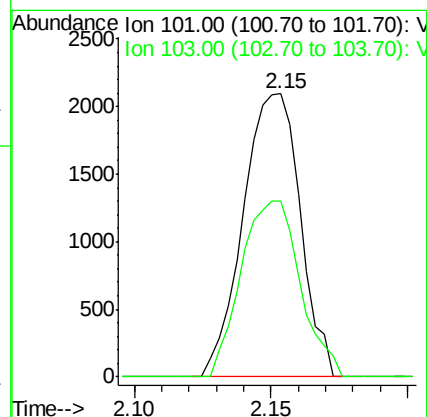
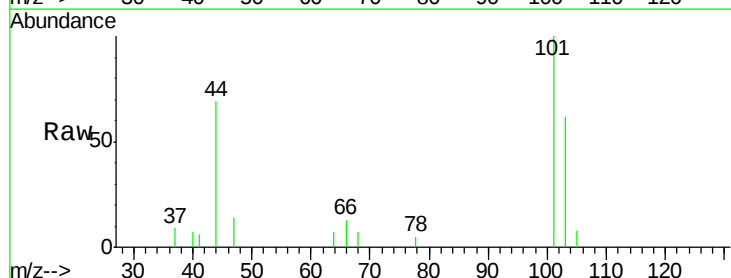
Acq: 02 Sep 2020 11:47

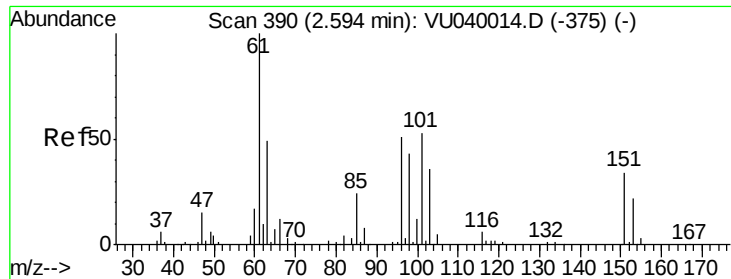
Tgt Ion: 101 Resp: 3044

Ion Ratio Lower Upper

101 100

103 64.3 51.3 76.9





#10

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

Concen: 0.224 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

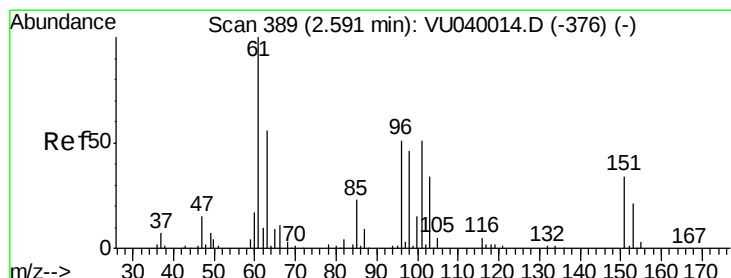
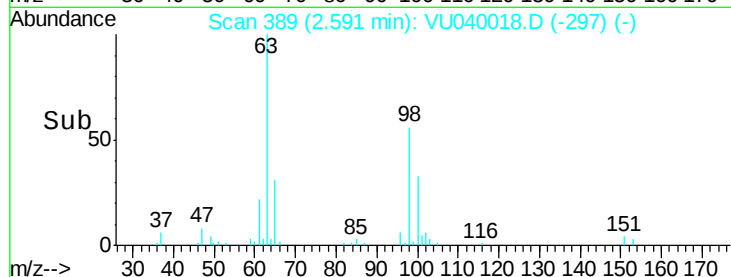
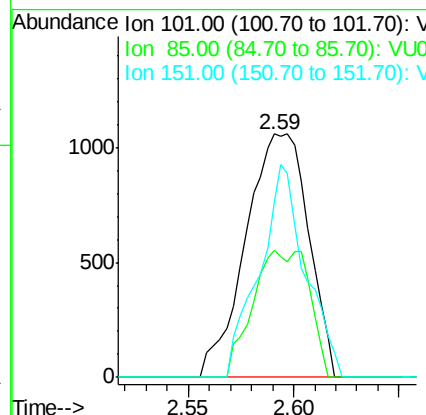
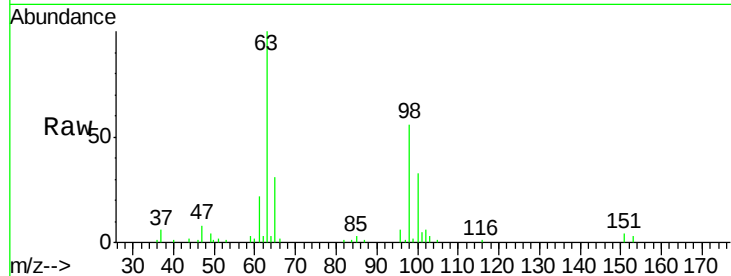
ClientSampled :

MDL03

Tot Ion:	101	Resp:	2195
Ion Ratio	Lower	Upper	
101	100		
85	30.2	37.7	56.5#
151	64.1	53.9	80.9

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 0.242 ug/L

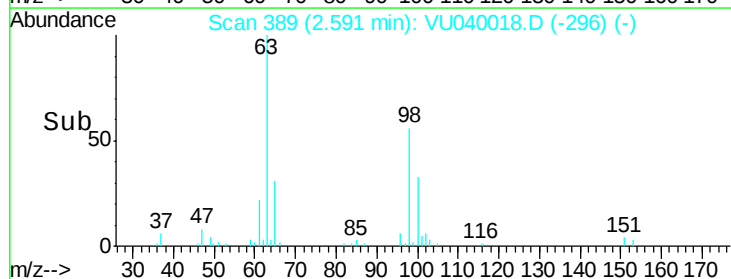
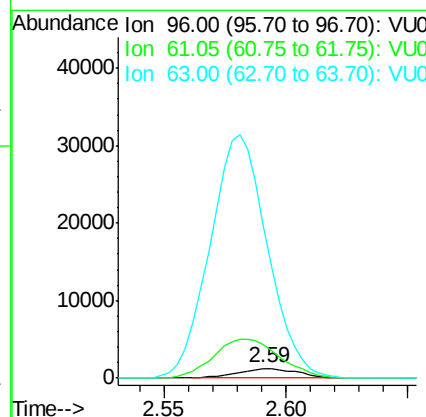
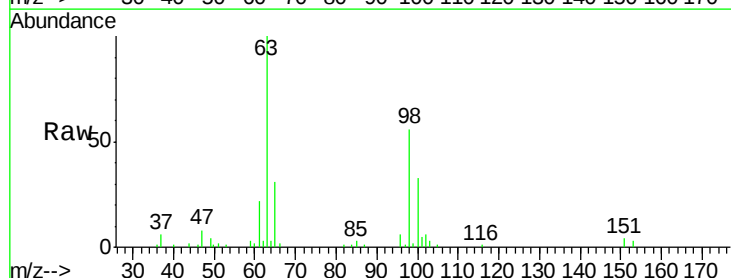
RT: 2.59 min Scan# 389

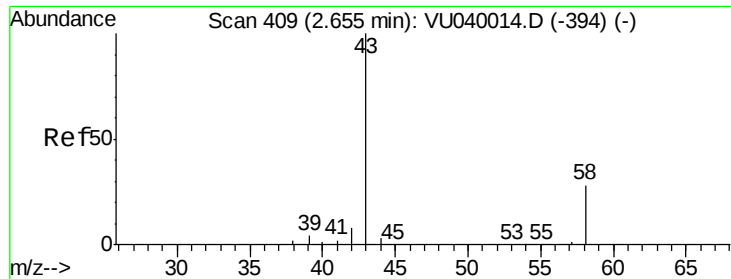
Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion:	96	Resp:	2047
Ion Ratio	Lower	Upper	
96	100		
61	354.0	138.3	256.8#
63	1617.0	77.6	144.2#





#13

Acetone

Concen: 2.267 ug/L m

RT: 2.67 min Scan# 415

Delta R.T. 0.02 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 43 Resp: 5011

Ion Ratio Lower Upper

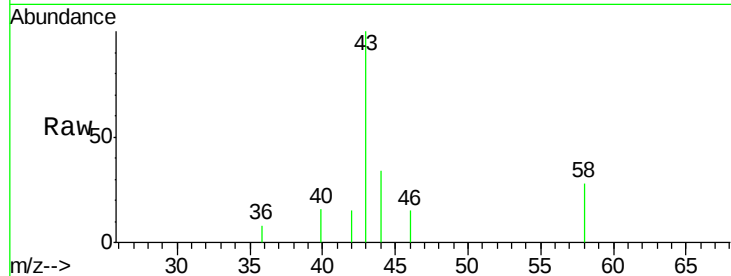
43 100

58 11.9 0.0 55.4

Manual Integrations
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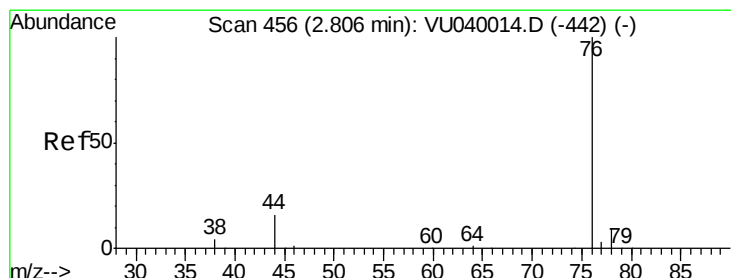
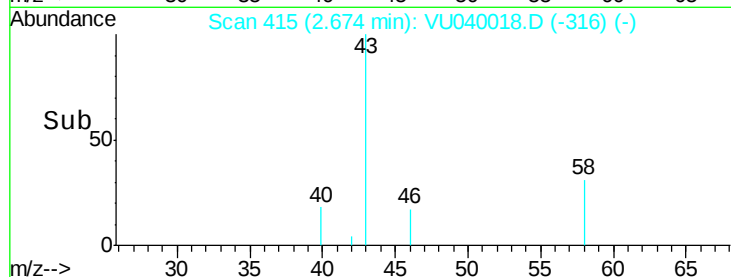
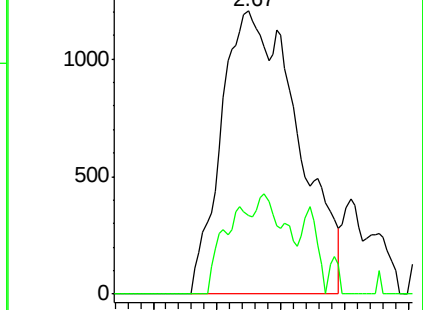
MMDadoda

9/4/2020 2:20:30 PM



Abundance Ion 43.05 (42.75 to 43.75): VU040018.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040018.D (-316) (-)



#14

Carbon disulfide

Concen: 0.196 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040018.D

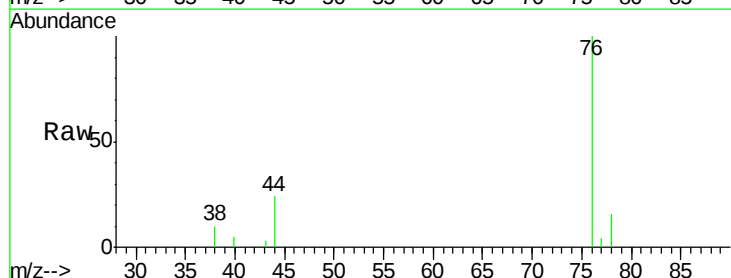
Acq: 02 Sep 2020 11:47

Tgt Ion: 76 Resp: 5318

Ion Ratio Lower Upper

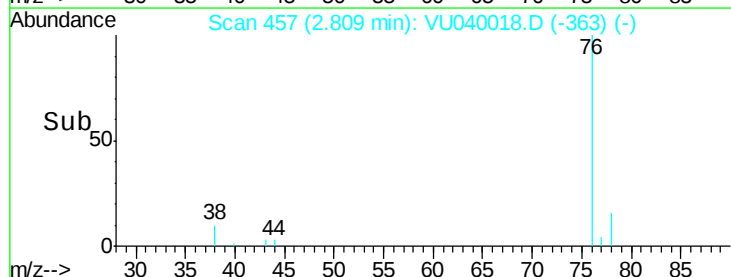
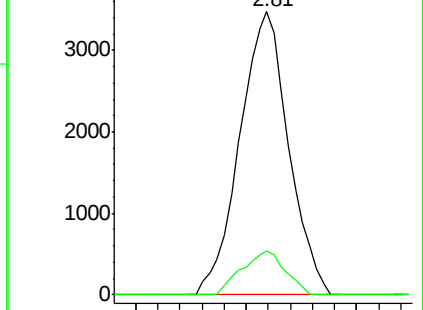
76 100

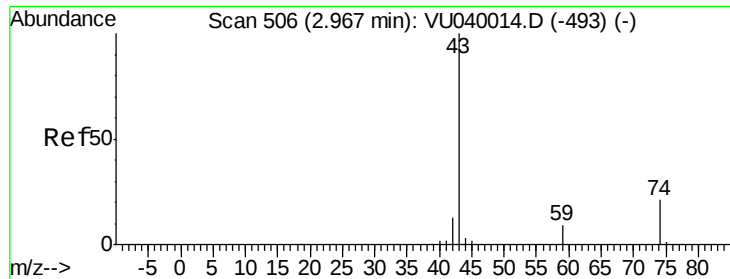
78 15.6 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040018.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040018.D (-363) (-)





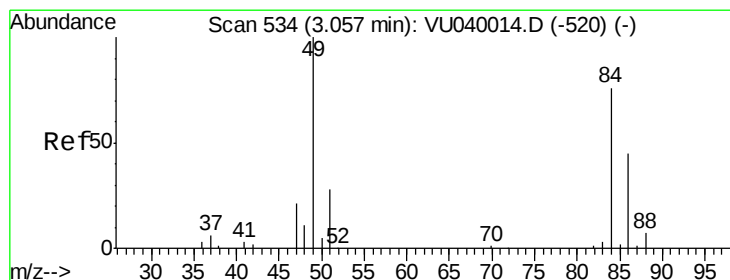
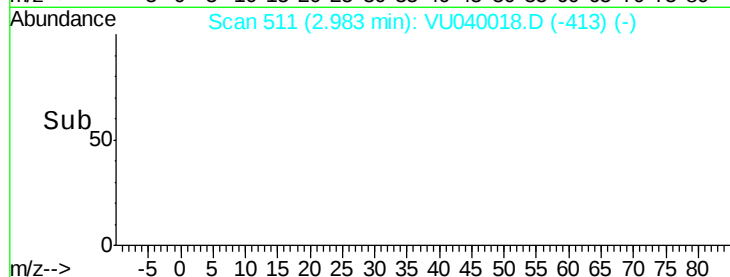
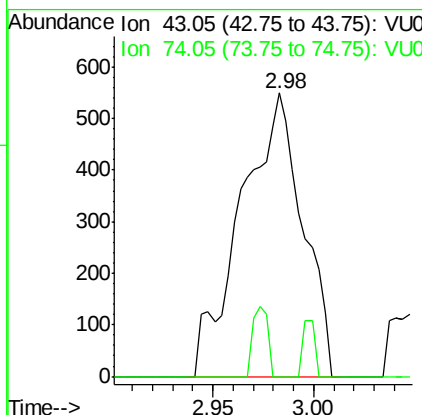
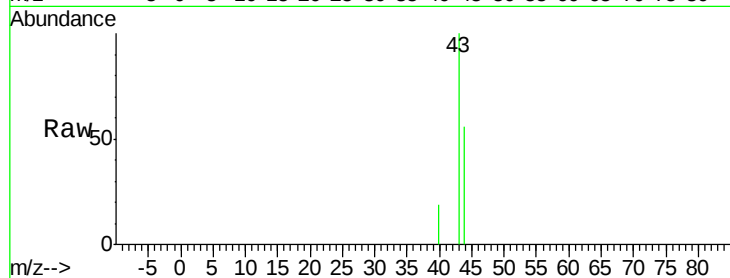
#15
Methvl Acetate
Concen: 0.210 ug/L
RT: 2.98 min Scan# 511
Delta R.T. 0.02 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 1163
Ion Ratio Lower Upper
43 100
74 6.1 17.4 26.0#

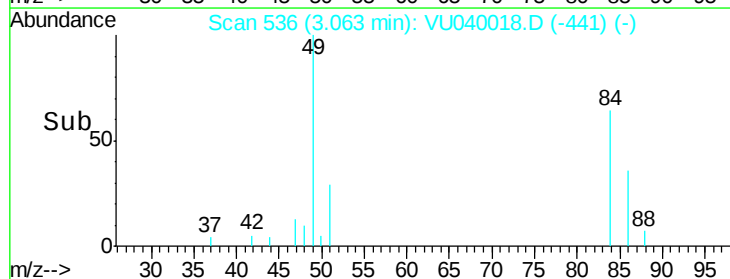
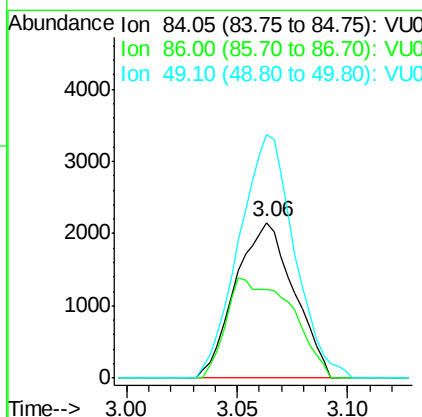
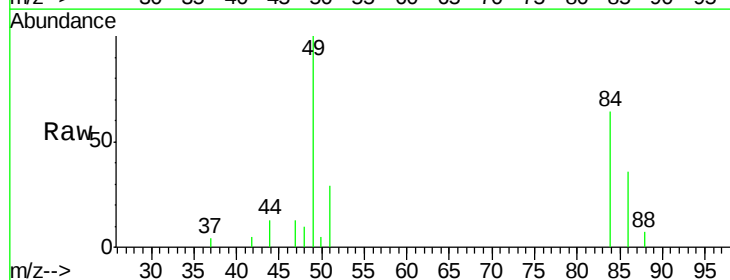
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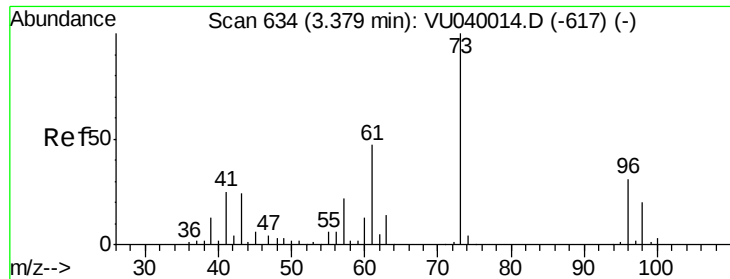
MMDadoda
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#16
Methylene chloride
Concen: 0.357 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 84 Resp: 3960
Ion Ratio Lower Upper
84 100
86 56.7 45.2 84.0
49 156.5 104.0 193.2





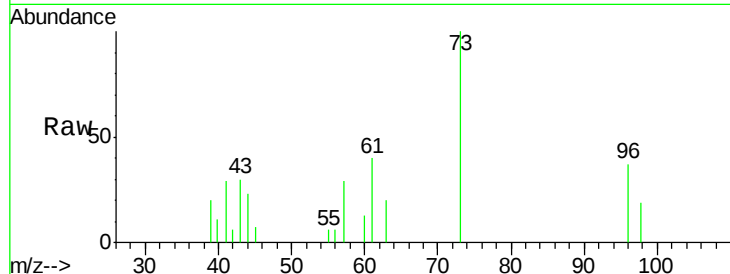
#17
Methvl tert-butvl Ether
Concen: 0.182 ug/L
RT: 3.38 min Scan# 636
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL03

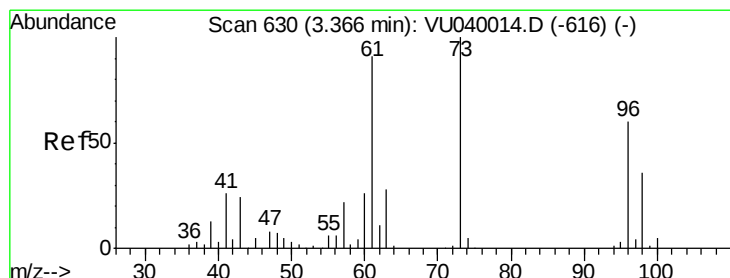
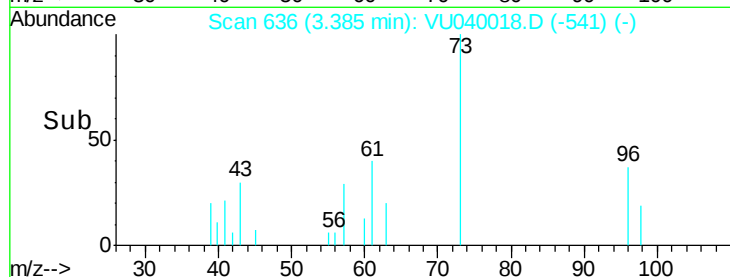
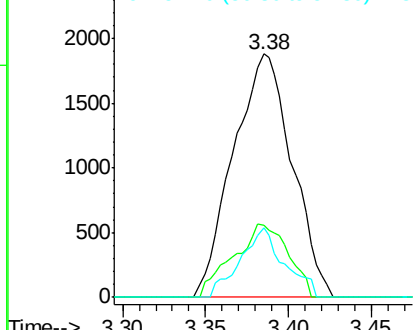
Tot Ion:	73	Resp:	4629
Ion	Ratio	Lower	Upper
73	100		
43	28.2	19.1	28.7
57	21.3	18.3	27.5

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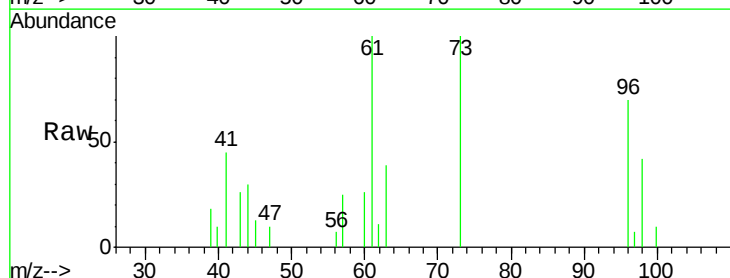


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

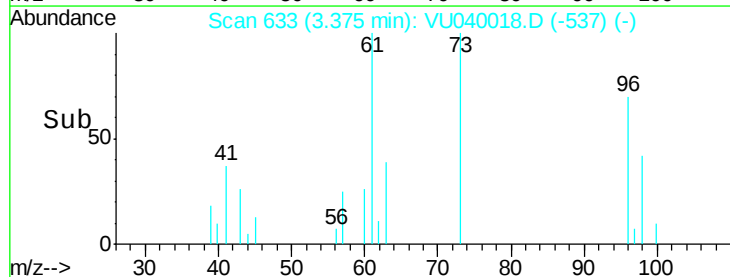
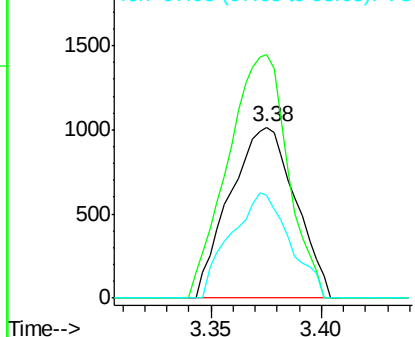


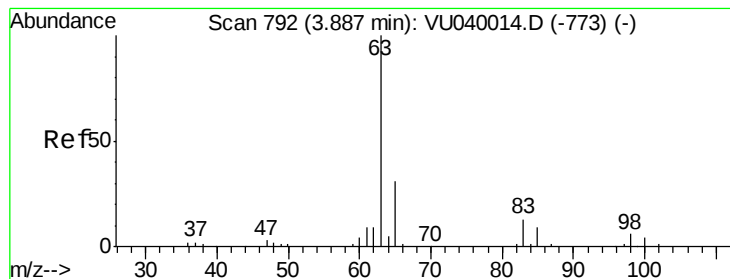
#18
trans-1,2-Dichloroethene
Concen: 0.230 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion:	96	Resp:	2090
Ion	Ratio	Lower	Upper
96	100		
61	142.6	110.5	205.3
98	60.0	43.2	80.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#19

1,1-Dichloroethane

Concen: 0.187 ug/L

RT: 3.89 min Scan# 794

Delta R.T. 0.01 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

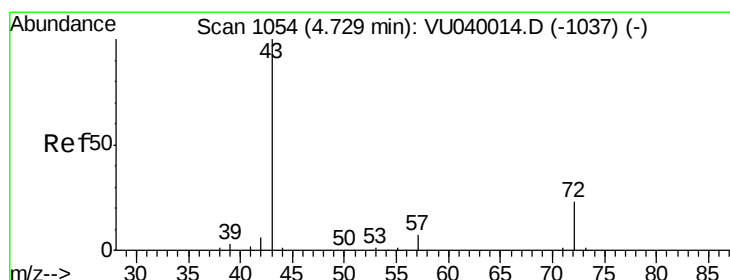
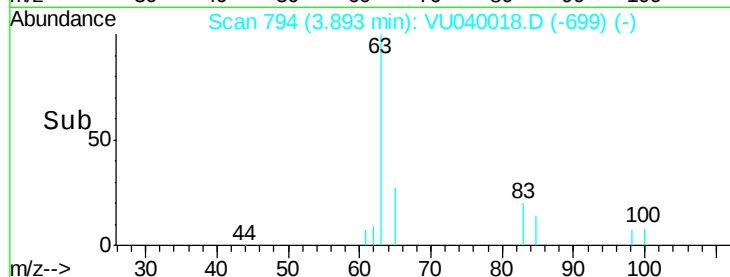
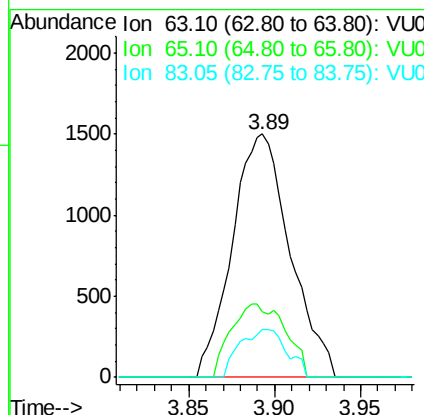
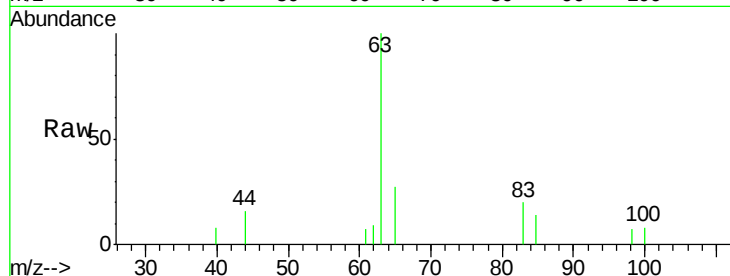
ClientSampleId :

MDL03

Tot Ion:	63	Resp:	3495
Ion	Ratio	Lower	Upper
63	100		
65	27.0	22.2	41.2
83	19.9	9.4	17.6#

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#21

2-Butanone

Concen: 2.416 ug/L

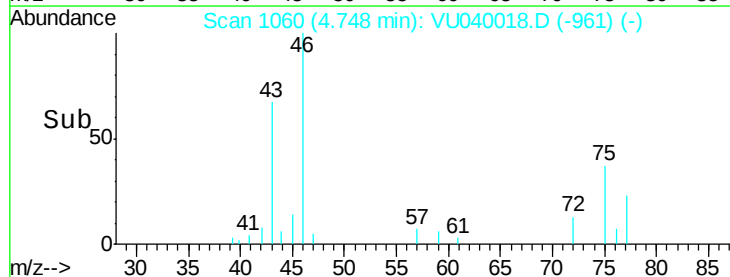
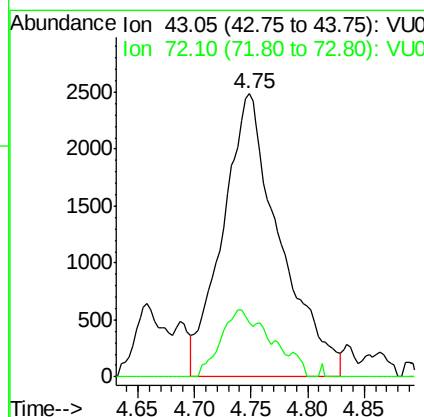
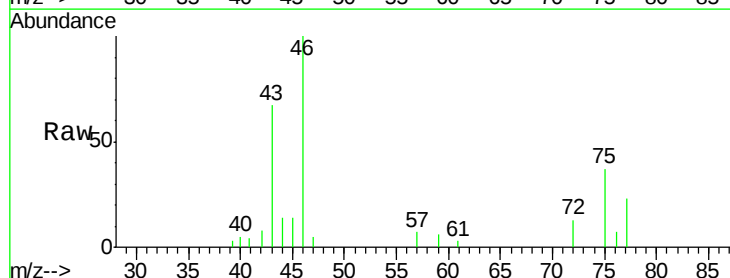
RT: 4.75 min Scan# 1060

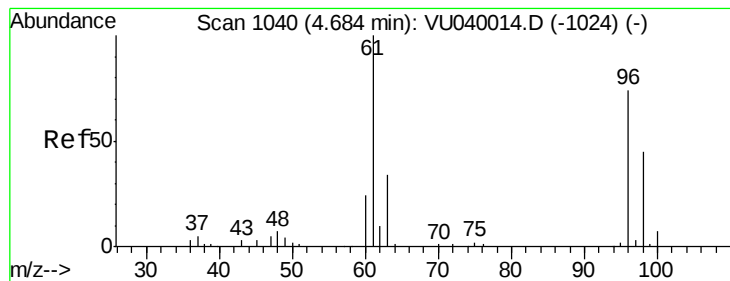
Delta R.T. 0.02 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion:	43	Resp:	8718
Ion	Ratio	Lower	Upper
43	100		
72	12.4	11.7	35.0





#22

cis-1,2-Dichloroethene

Concen: 0.212 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 96 Resp: 2075

Ion Ratio Lower Upper

96 100

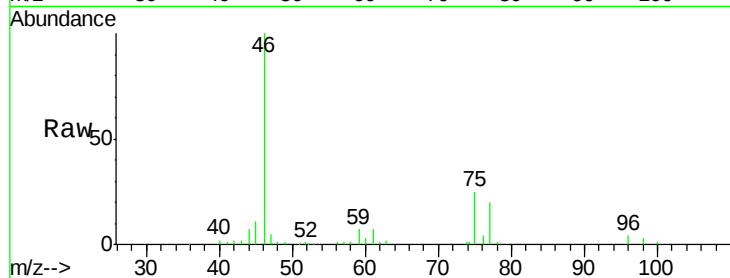
61 172.0 98.8 183.4

68 0.0 0.0 0.0

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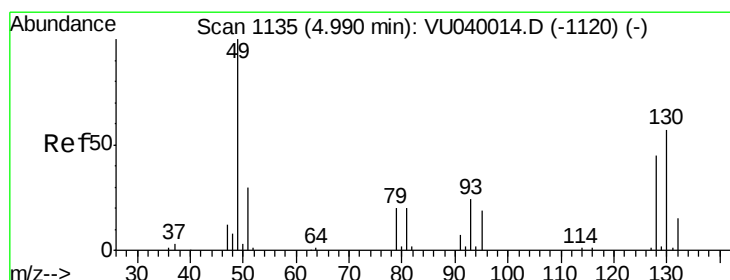
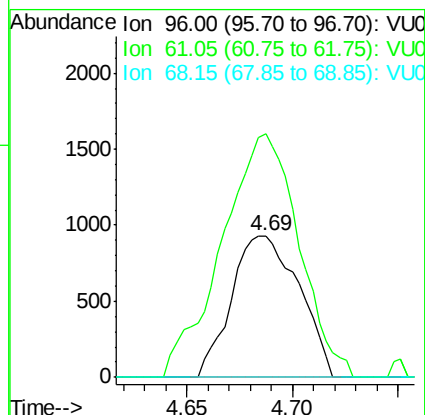
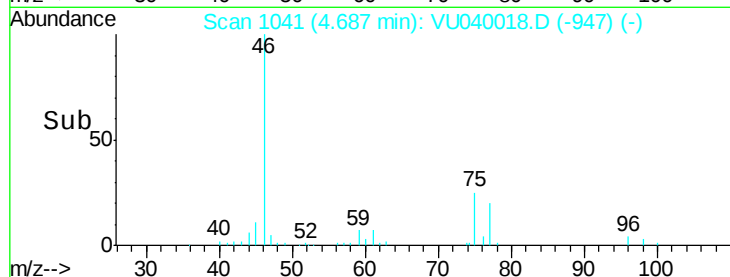
9/4/2020 2:20:30 PM



Abundance Ion 96.00 (95.70 to 96.70): VU040018.D (-1024) (-)

Ion 61.05 (60.75 to 61.75): VU040018.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040018.D (-1024) (-)



#23

Bromochloromethane

Concen: 0.187 ug/L

RT: 5.00 min Scan# 1138

Delta R.T. 0.01 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion: 128 Resp: 801

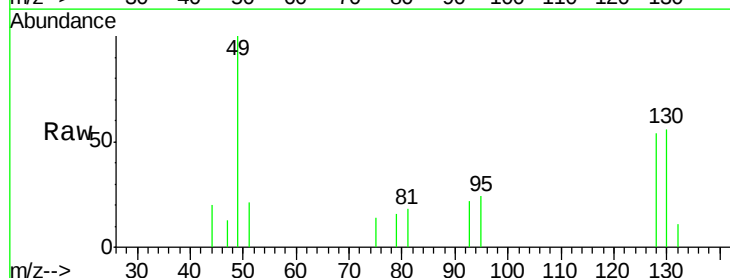
Ion Ratio Lower Upper

128 100

49 185.5 143.4 266.4

130 104.7 89.5 166.3

51 38.4 51.0 76.4#

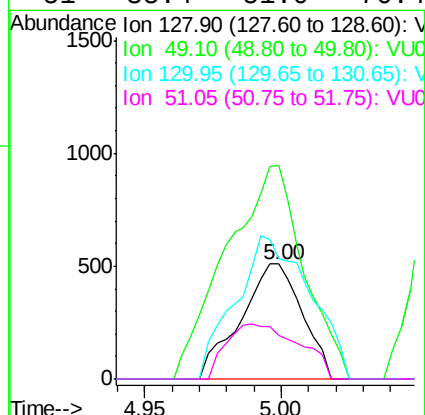
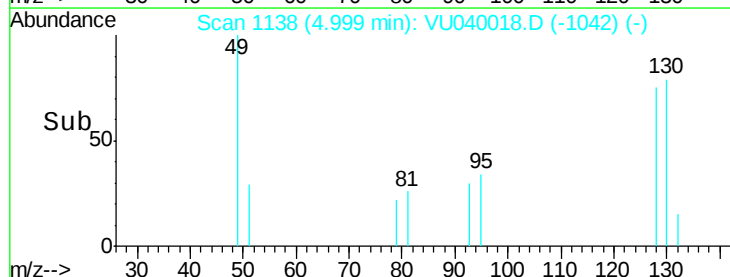


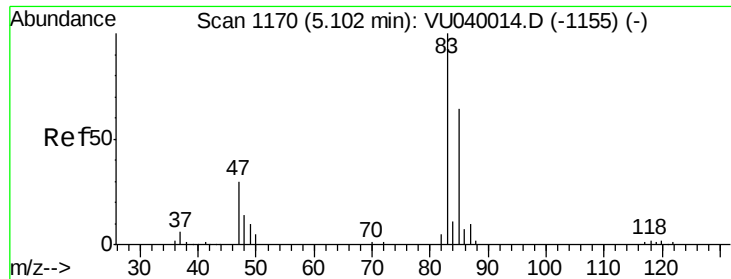
Abundance Ion 127.90 (127.60 to 128.60): VU040018.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040018.D (-1120) (-)

Ion 129.95 (129.65 to 130.65): VU040018.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040018.D (-1120) (-)





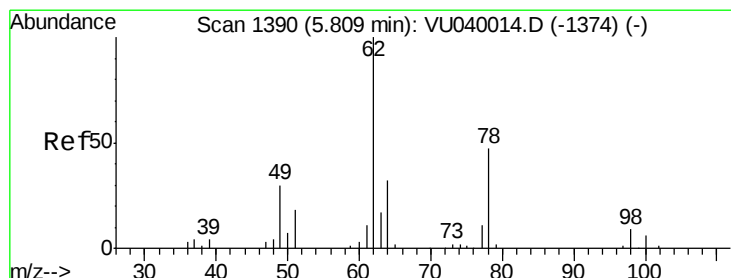
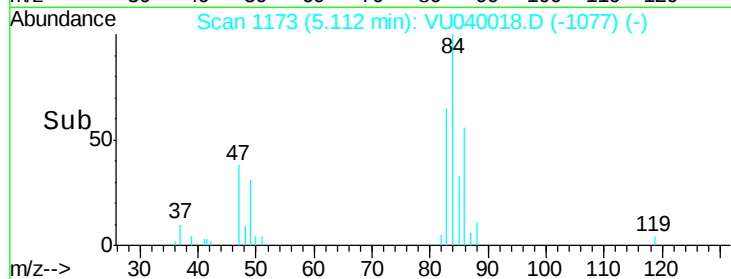
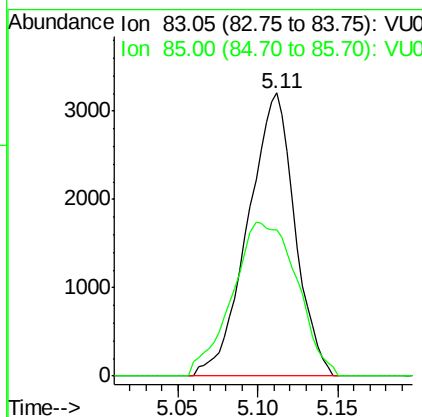
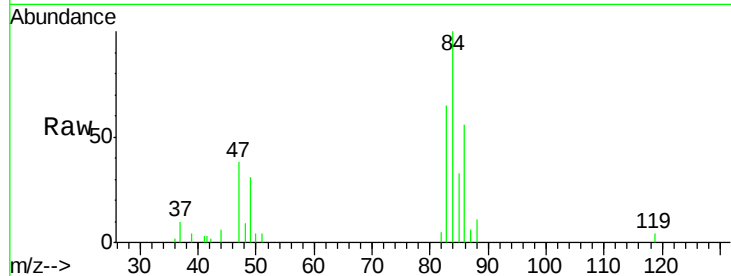
#25
Chloroform
Concen: 0.337 ug/L
RT: 5.11 min Scan# 1173
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 83 Resp: 6462
Ion Ratio Lower Upper
83 100
85 51.7 45.3 84.1

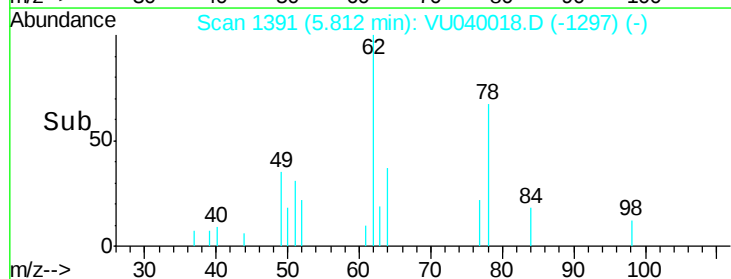
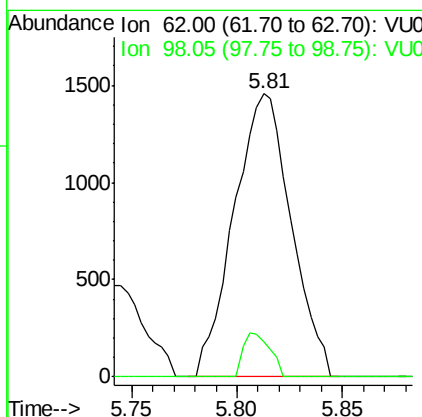
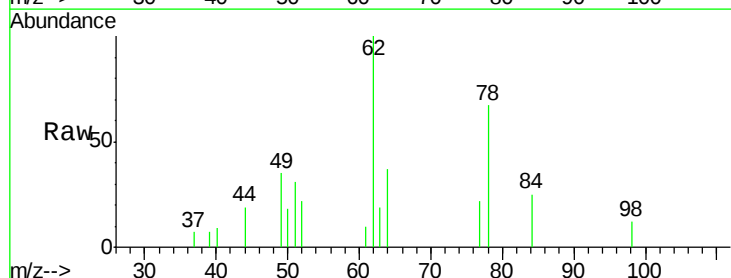
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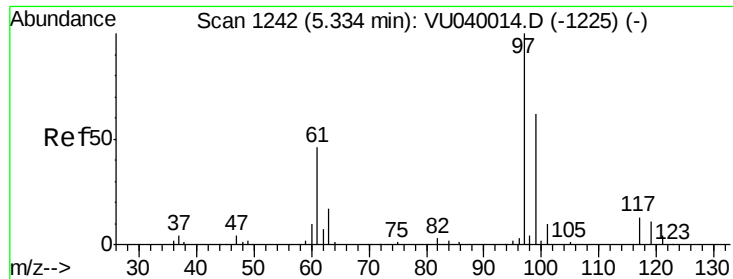
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#27
1,2-Dichloroethane
Concen: 0.195 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion: 62 Resp: 2747
Ion Ratio Lower Upper
62 100
98 12.3 6.1 9.1#





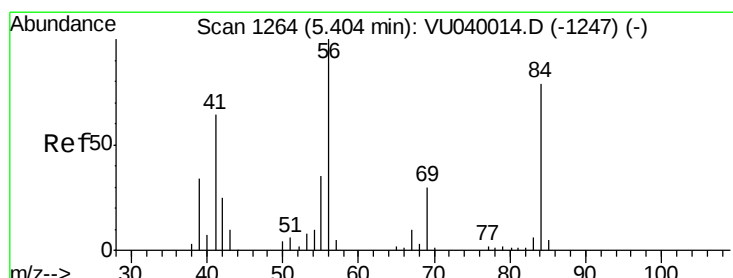
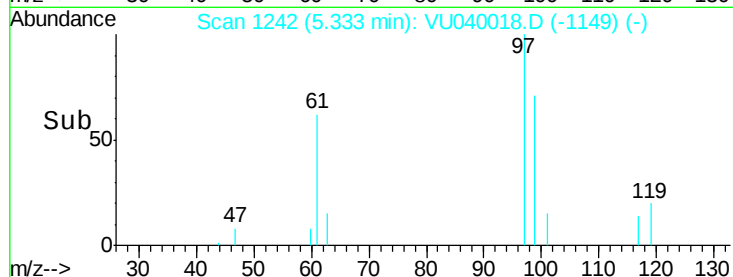
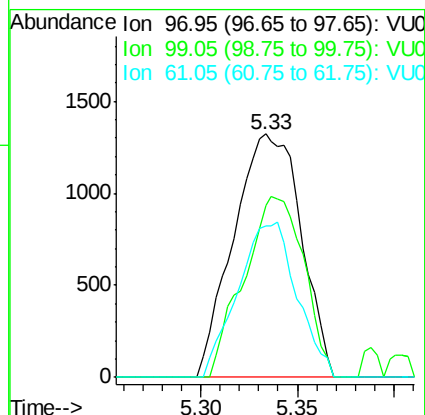
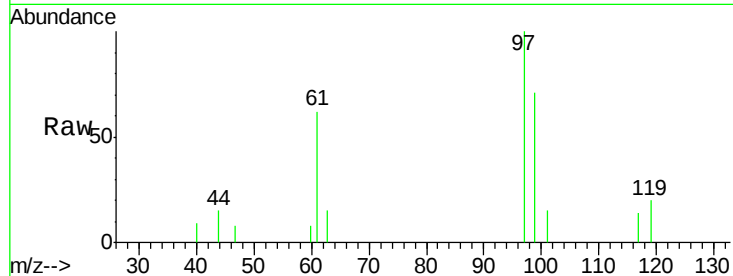
#29
 1,1,1-Trichloroethane
 Concen: 0.189 ug/L
 RT: 5.33 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
97	100		
99	66.2	50.9	76.3
61	55.7	39.5	59.3

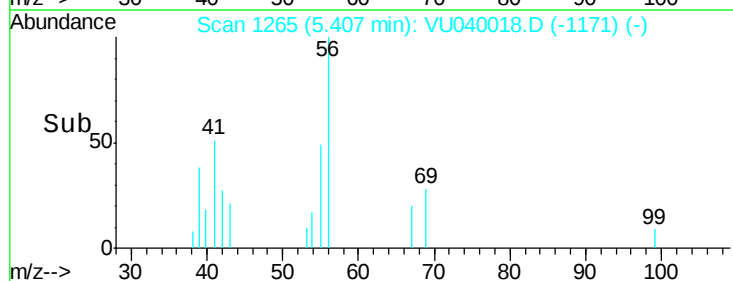
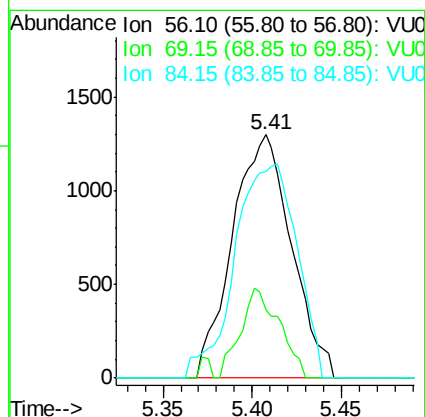
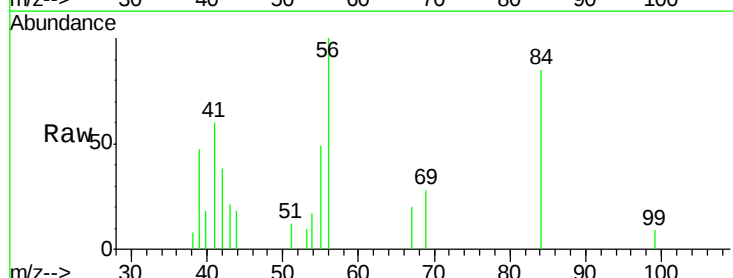
Manual Integrations
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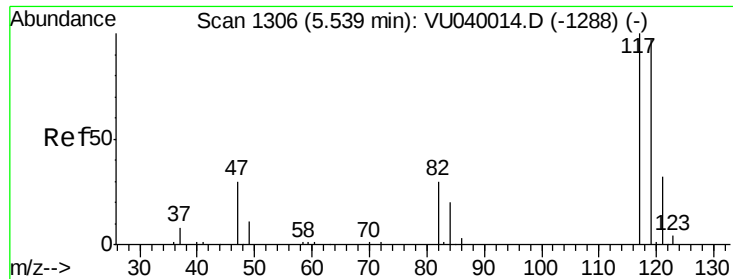
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#30
 Cyclohexane
 Concen: 0.182 ug/L
 RT: 5.41 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
56	100		
69	24.4	24.1	36.1
84	92.3	65.0	97.4





#31

Carbon tetrachloride

Concen: 0.206 ug/L

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion:117 Resp: 2988

Ion Ratio Lower Upper

117 100

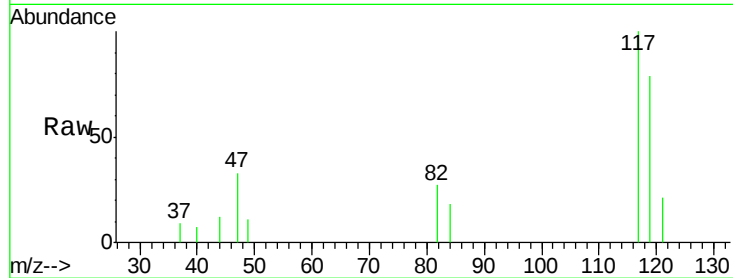
119 87.0 77.7 116.5

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

5.54

1500

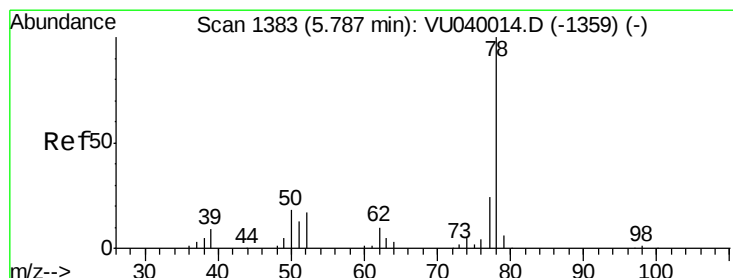
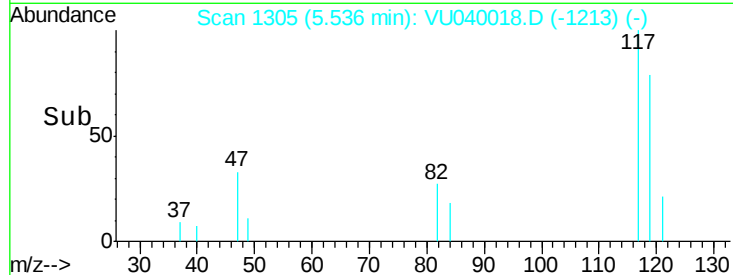
1000

500

0

Time-->

5.50 5.55 5.60



#33

Benzene

Concen: 0.196 ug/L

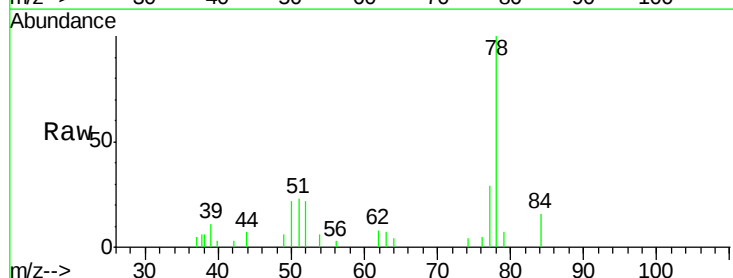
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion: 78 Resp: 7588



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79

4000

3000

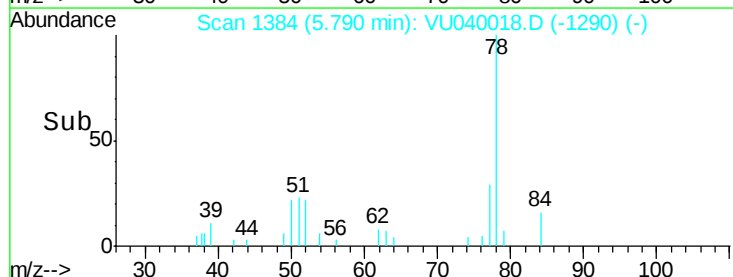
2000

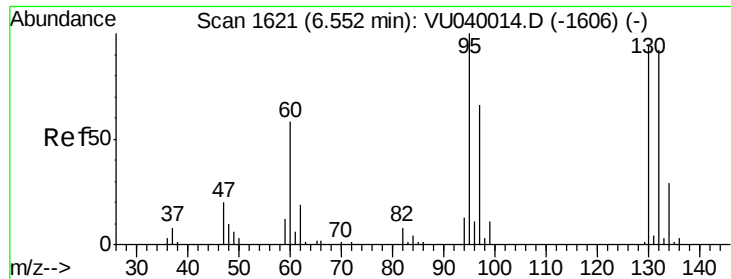
1000

0

Time-->

5.75 5.80 5.85





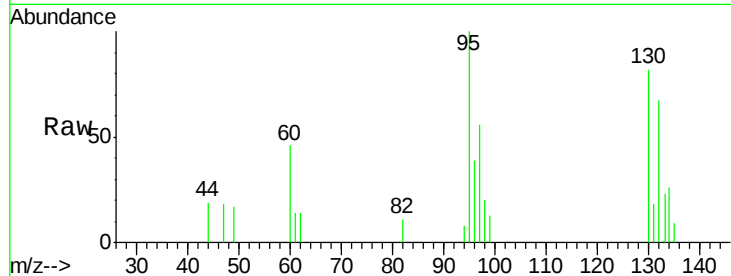
#34
 Trichloroethene
 Concen: 0.191 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	95	Resp:	1986
Ion	Ratio	Lower	Upper
95	100		
97	56.2	43.3	80.5
132	67.2	59.4	110.4
130	82.1	64.8	120.4

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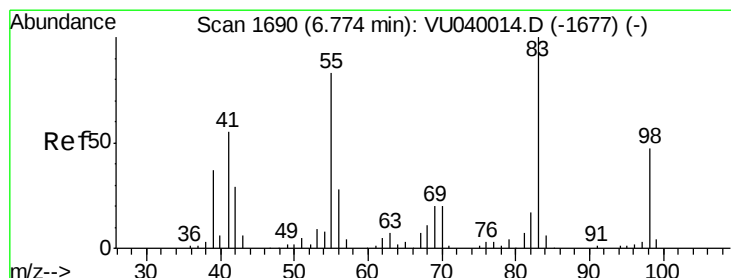
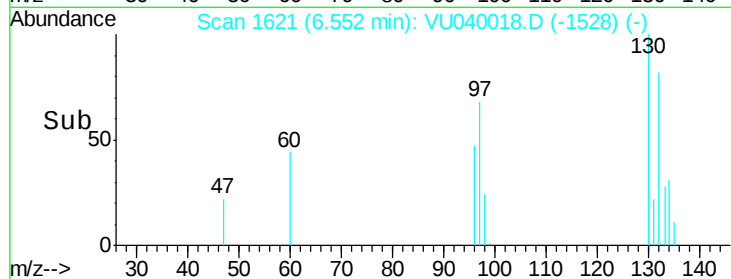
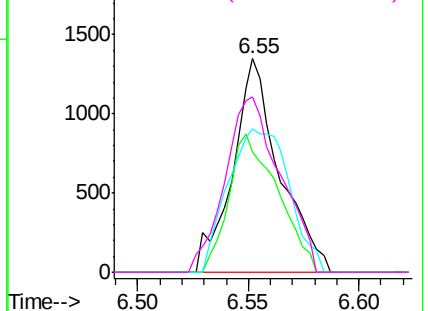


Abundance Ion 95.00 (94.70 to 95.70): VU040018.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040018.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040018.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040018.D (-1528) (-)



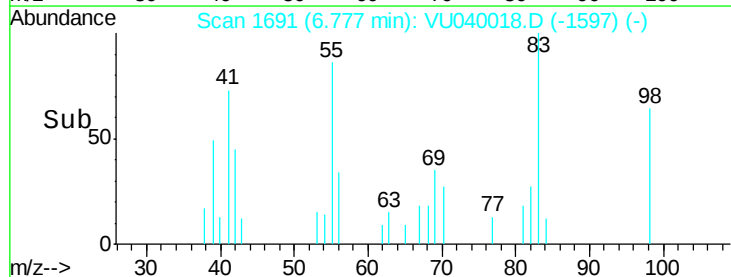
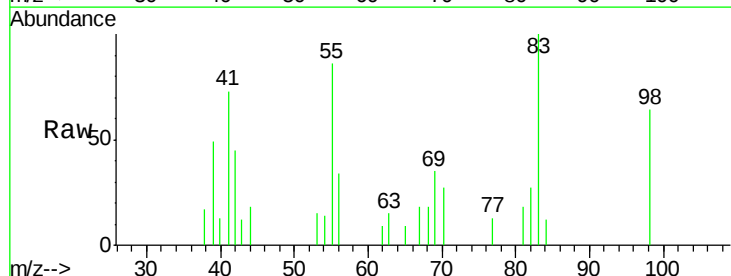
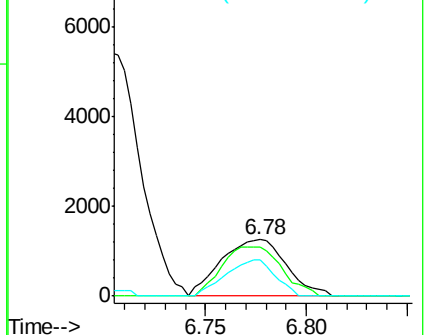
#35
 Methylcyclohexane
 Concen: 0.179 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

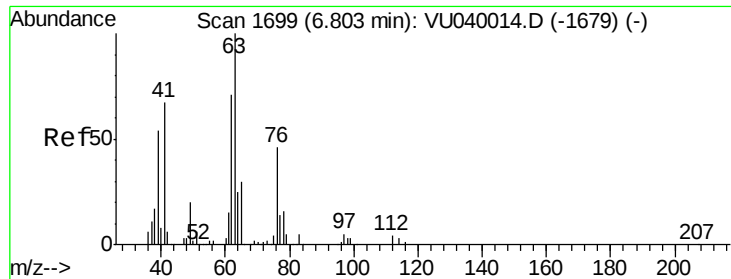
Tgt Ion	83	Resp:	2837
Ion	Ratio	Lower	Upper
83	100		
55	80.0	70.5	105.7
98	48.6	37.8	56.6

Abundance Ion 83.15 (82.85 to 83.85): VU040018.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040018.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040018.D (-1597) (-)





#37

1,2-Dichloropropane

Concen: 0.198 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 63 Resp: 2072

Ion Ratio Lower Upper

63 100

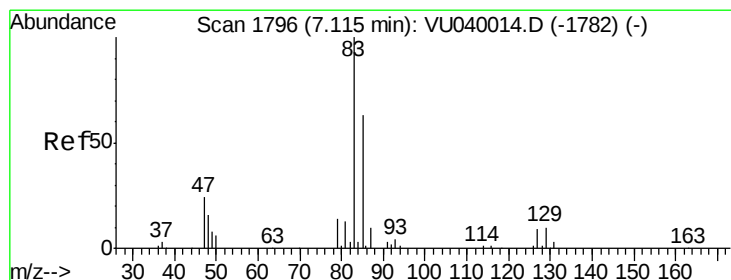
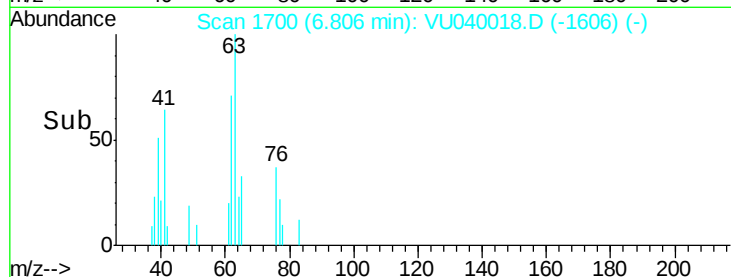
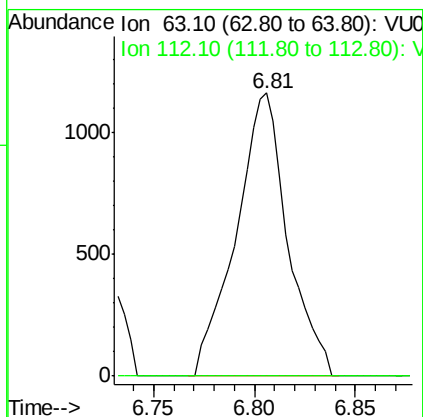
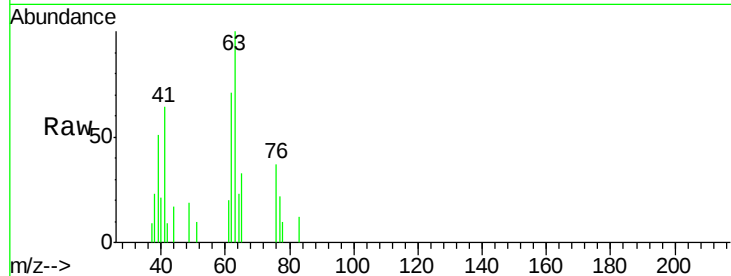
112 0.0 3.2 4.8#

Manual Integrations

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#38

Bromodichloromethane

Concen: 0.199 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

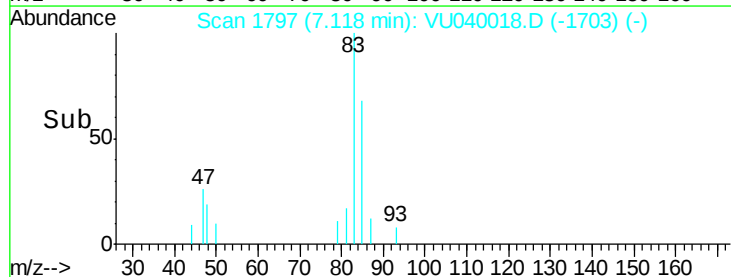
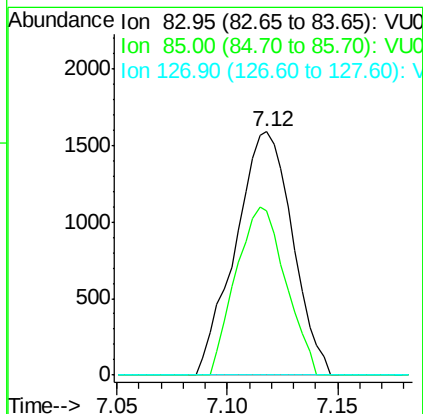
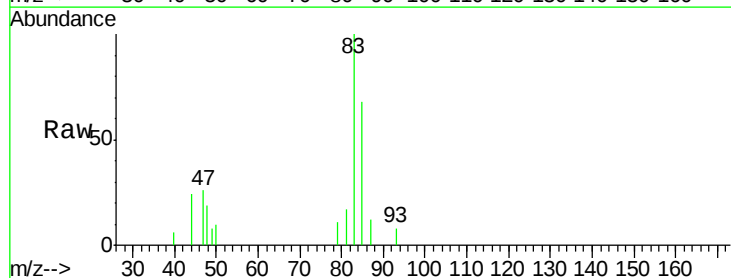
Tgt Ion: 83 Resp: 2850

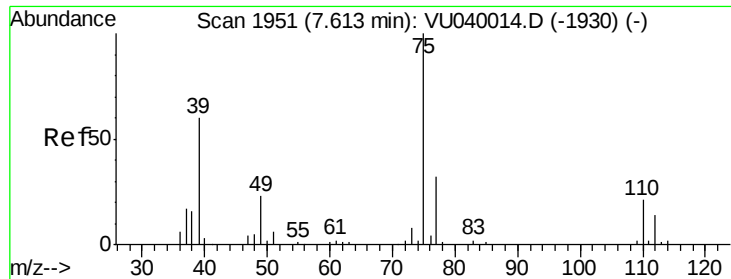
Ion Ratio Lower Upper

83 100

85 67.5 45.1 83.9

127 0.0 6.7 10.1#





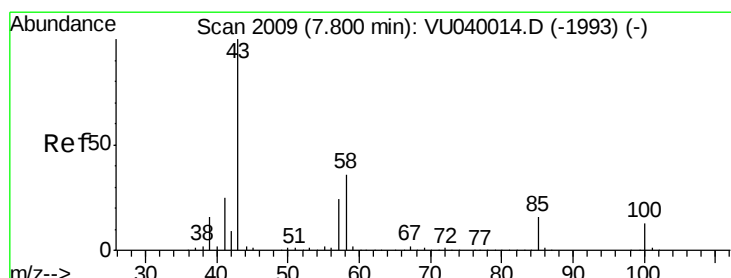
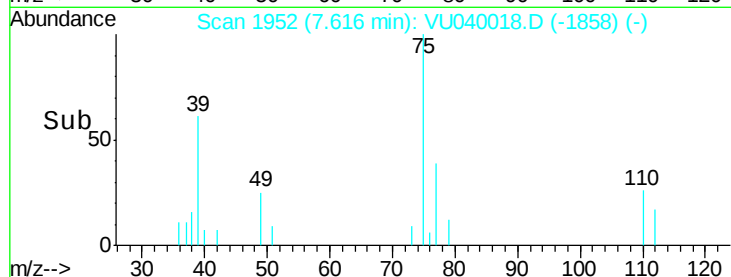
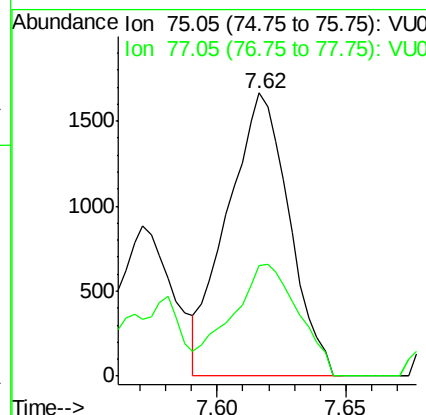
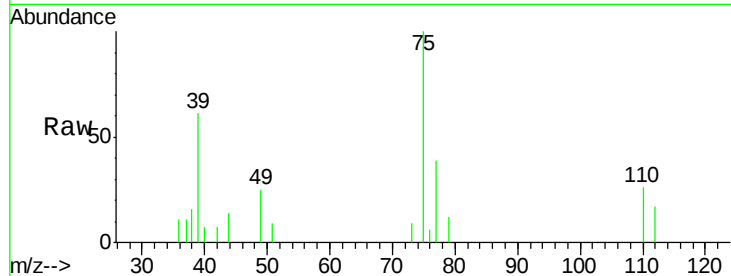
#39
 cis-1,3-Dichloropropene
 Concen: 0.180 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
75	100		
77	39.1	21.1	39.3

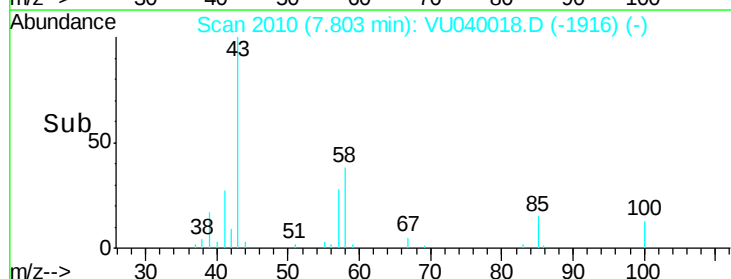
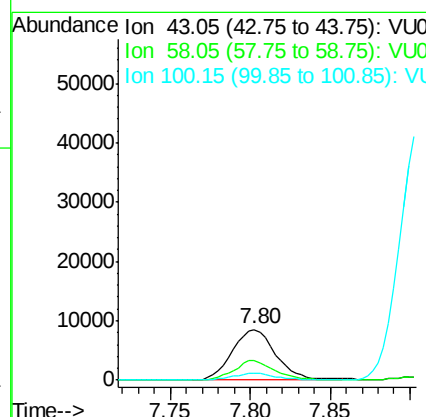
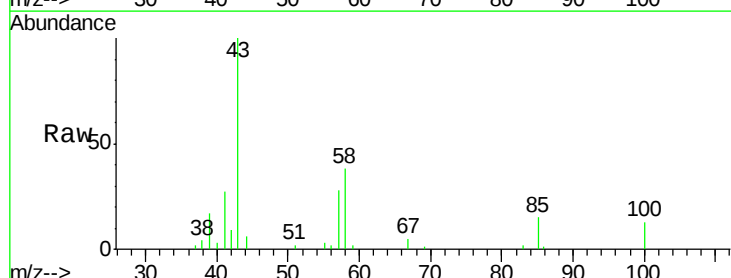
Manual Integrations
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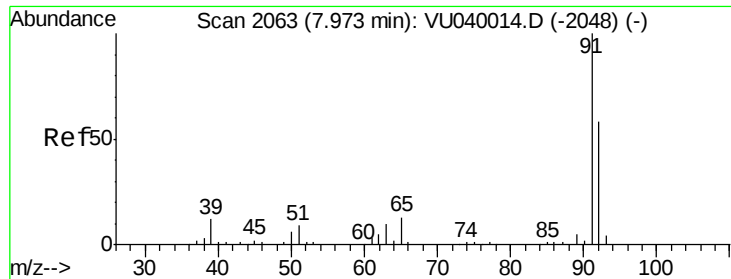
MMDadoda
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#40
 4-Methyl-2-pentanone
 Concen: 1.849 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.1	28.7	43.1
100	0.0	10.2	15.2#





#42

Toluene

Concen: 0.194 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 7745

Ion Ratio Lower Upper

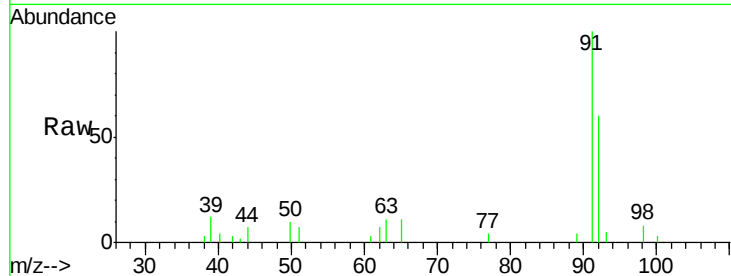
91 100

92 59.8 40.7 75.5

Manual Integrations
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MMDadoda

9/4/2020 2:20:30 PM

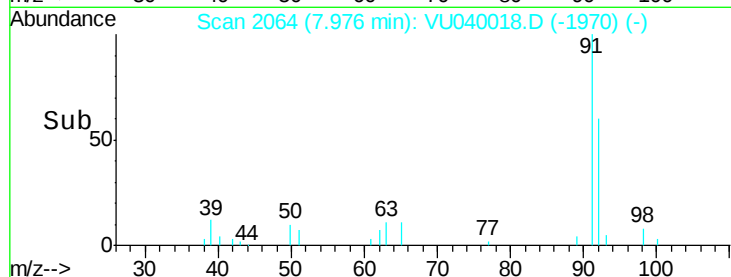


Abundance Ion 91.15 (90.85 to 91.85): VU040018.D (-2048) (-)

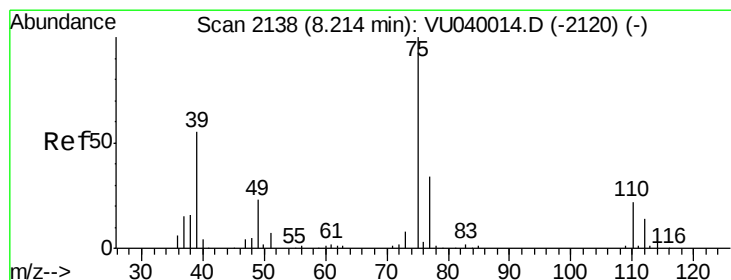
Ion 92.15 (91.85 to 92.85): VU040018.D (-2048) (-)

7.98

7.95 8.00



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.184 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040018.D

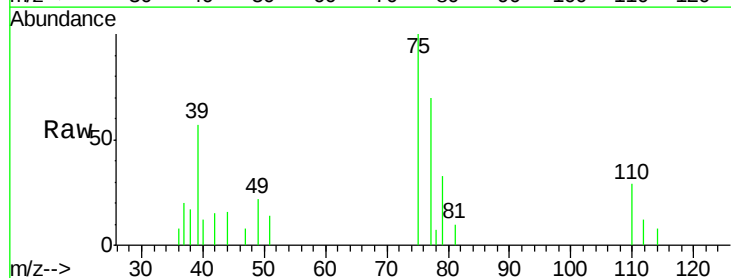
Acq: 02 Sep 2020 11:47

Tgt Ion: 75 Resp: 2637

Ion Ratio Lower Upper

75 100

77 69.9 23.9 44.3#

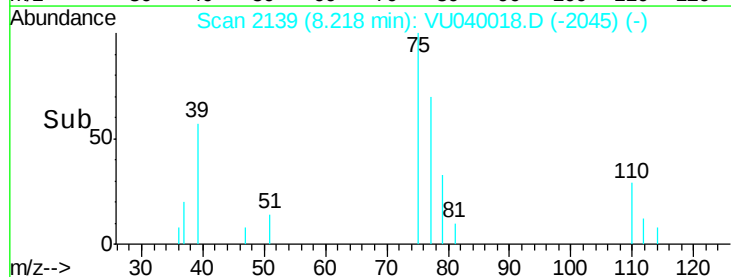


Abundance Ion 75.05 (74.75 to 75.75): VU040018.D (-2120) (-)

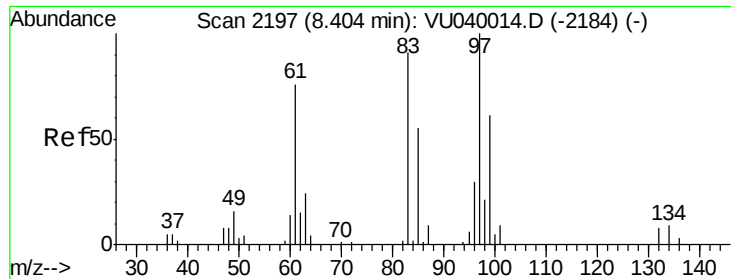
Ion 77.05 (76.75 to 77.75): VU040018.D (-2120) (-)

8.22

8.20 8.25



Time-->



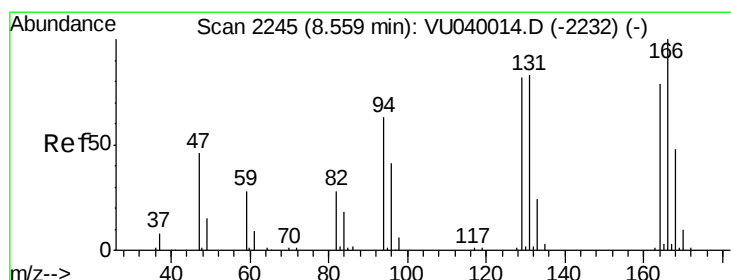
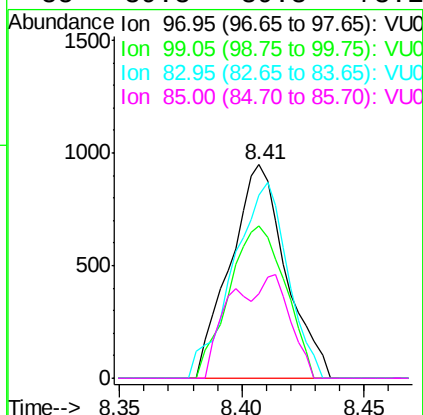
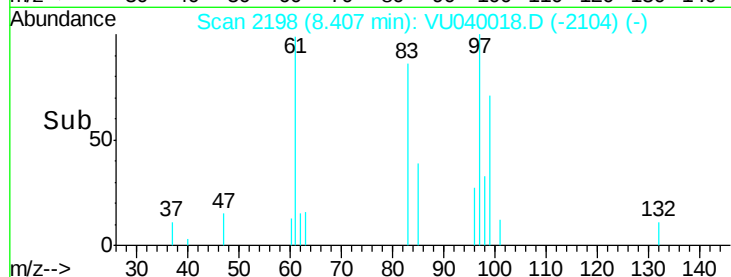
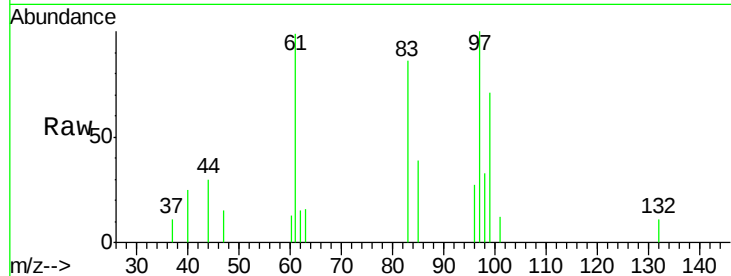
#45
 1,1,2-Trichloroethane
 Concen: 0.196 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion:	97	Resp:	1493
Ion	Ratio	Lower	Upper
97	100		
99	71.2	43.0	79.8
83	86.0	61.7	114.7
85	39.3	39.3	73.1

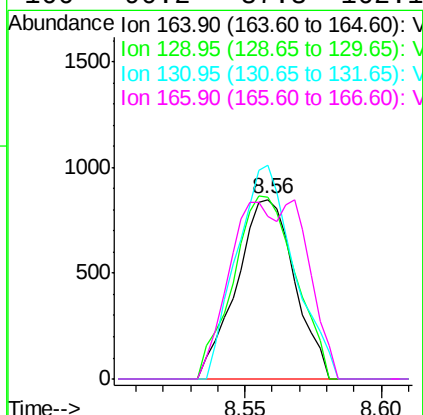
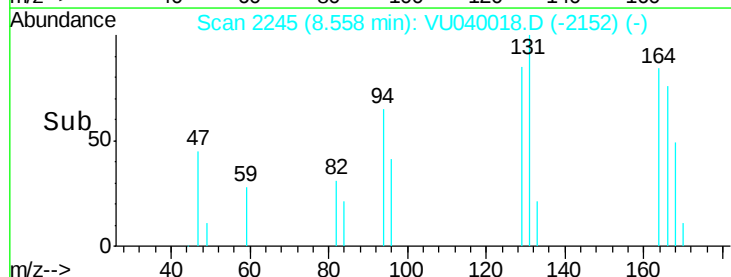
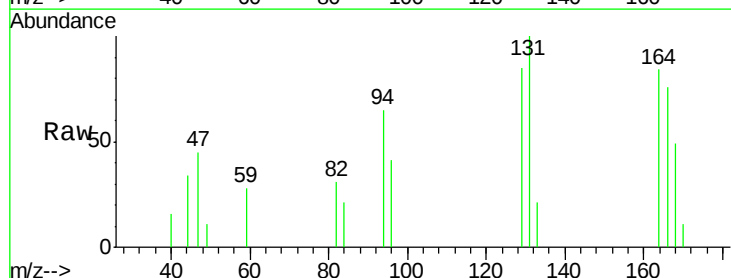
Manual Integrations
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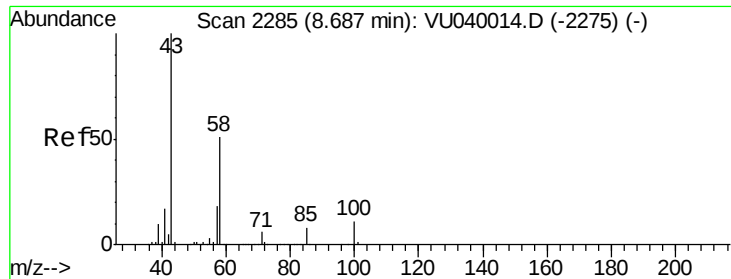
MMDadoda
 9/4/2020 2:20:30 PM



#47
 Tetrachloroethene
 Concen: 0.183 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:	164	Resp:	1249
Ion	Ratio	Lower	Upper
164	100		
129	101.2	71.5	132.7
131	119.0	65.9	122.5
166	90.2	87.3	162.1





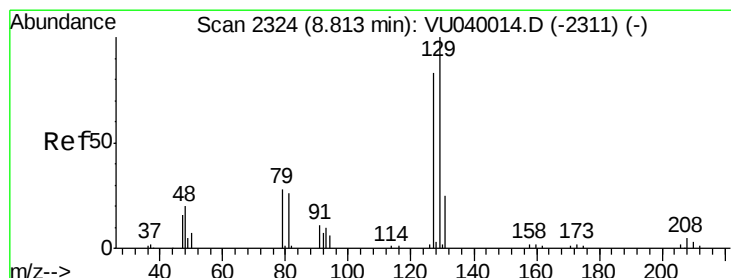
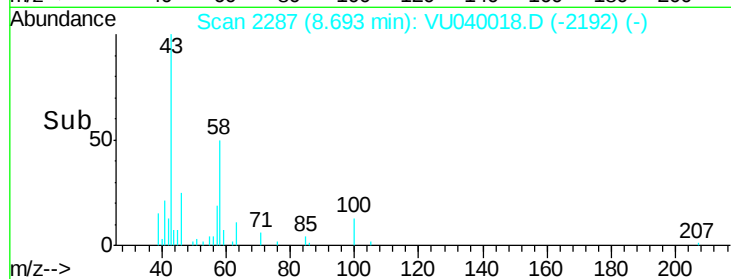
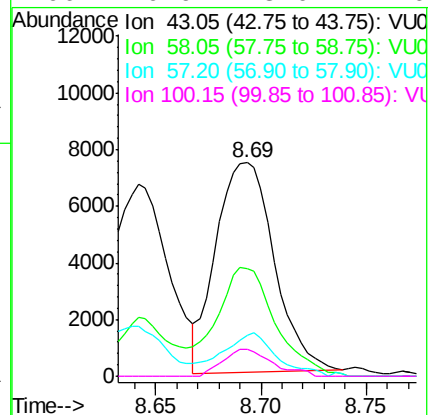
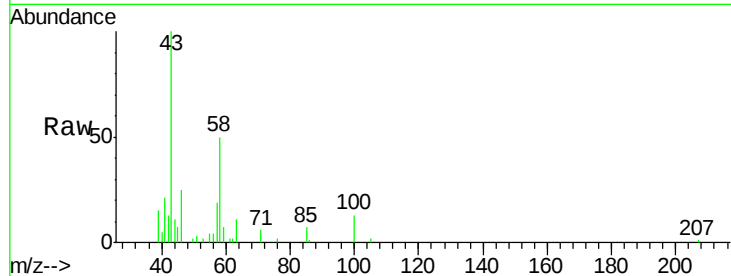
#48
2-Hexanone
Concen: 2.258 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion:	43	Resp:	14148
Ion	Ratio	Lower	Upper
43	100		
58	53.3	39.6	59.4
57	19.1	14.3	21.5
100	10.9	8.0	12.0

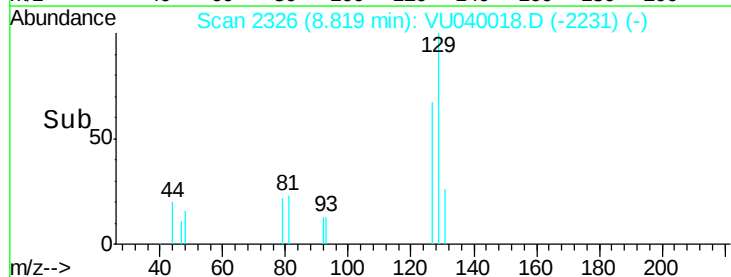
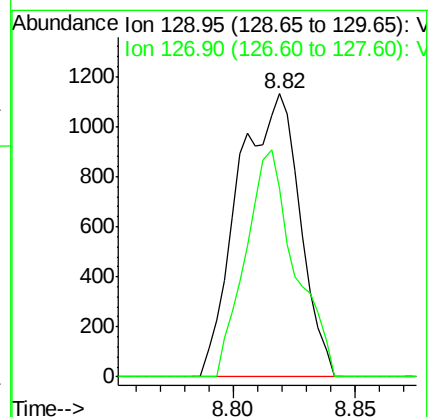
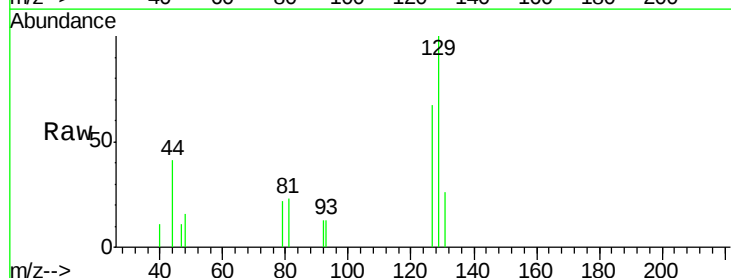
Manual Integrations
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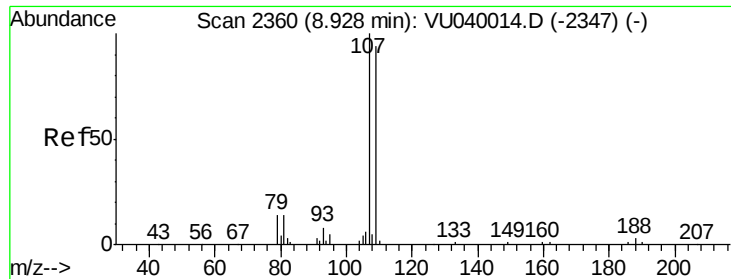
MMDadoda
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#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion:	129	Resp:	1996
Ion	Ratio	Lower	Upper
129	100		
127	66.7	53.7	99.7





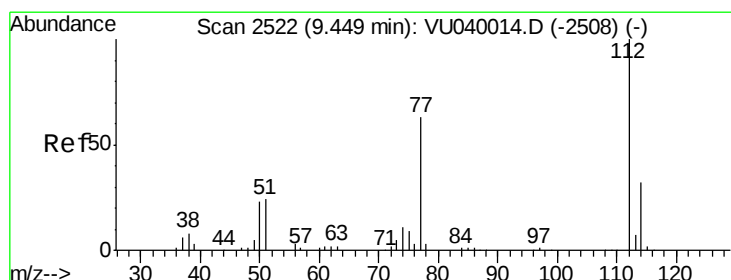
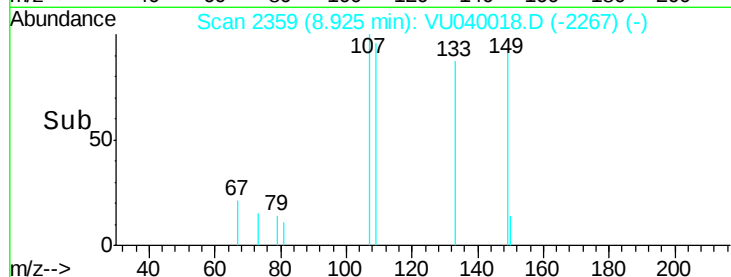
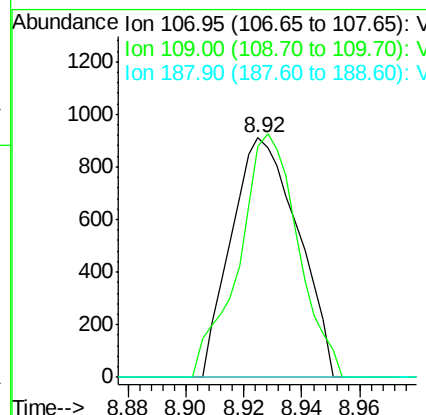
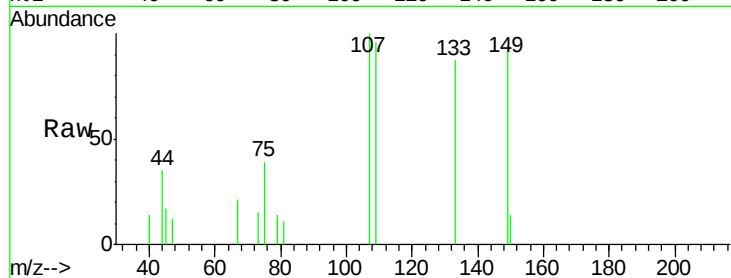
#50
 1,2-Dibromoethane
 Concen: 0.197 ug/L
 RT: 8.92 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	62.4	115.8
188	0.0	2.3	3.5#

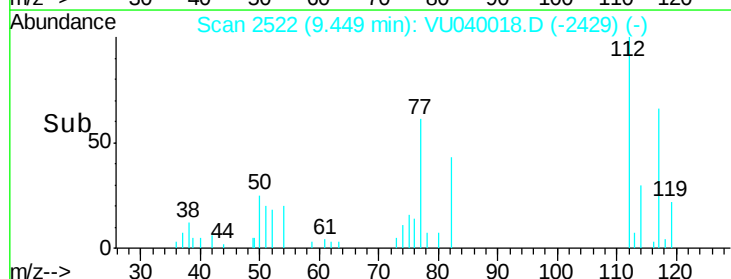
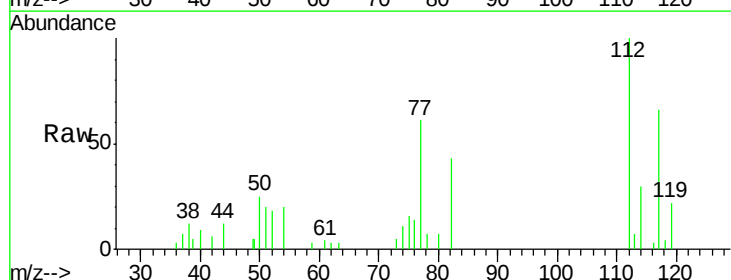
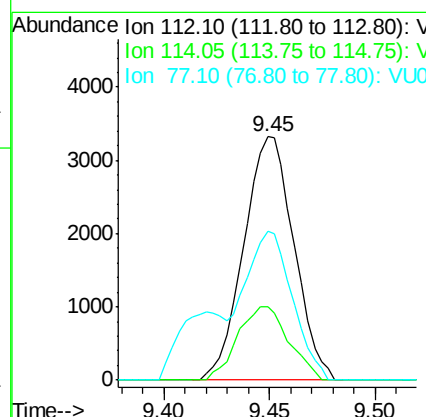
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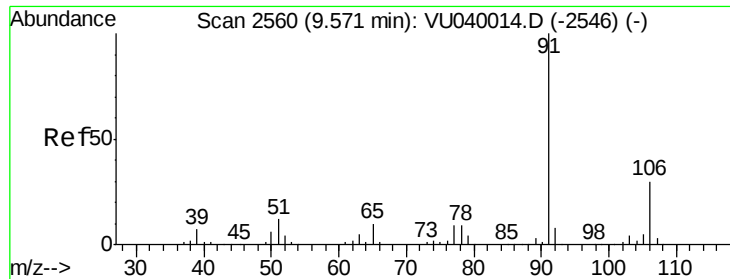
MMDadoda
 9/4/2020 2:20:30 PM



#51
 Chlorobenzene
 Concen: 0.222 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.1	22.7	42.3
77	61.4	53.2	79.8





#52

Ethylbenzene

Concen: 0.180 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tot Ion: 91 Resp: 8134

Ion Ratio Lower Upper

91 100

106 31.9 21.0 39.0

Instrument :

MSVOA_U

ClientSampled :

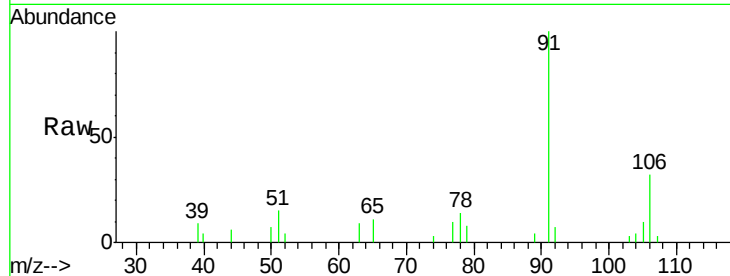
MDL03

Manual Integrations

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Abundance Ion 91.15 (90.85 to 91.85): VU040018.D (-2546) (-)

Ion 106.15 (105.85 to 106.85): VU040018.D (-2546) (-)

9.57

4500

3000

2000

1000

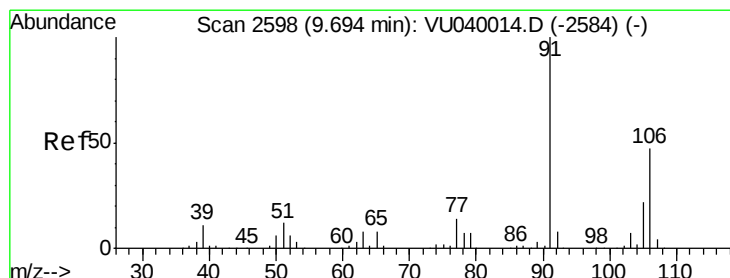
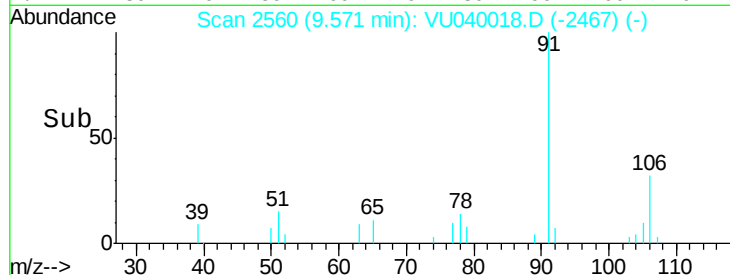
0

9.50

9.55

9.60

Time-->



#53

m,p-Xylene

Concen: 0.181 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040018.D

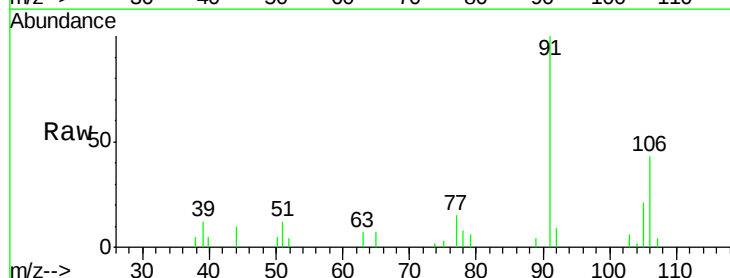
Acq: 02 Sep 2020 11:47

Tgt Ion: 106 Resp: 2914

Ion Ratio Lower Upper

106 100

91 235.1 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040018.D (-2584) (-)

Ion 91.15 (90.85 to 91.85): VU040018.D (-2584) (-)

9.69

4000

3000

2000

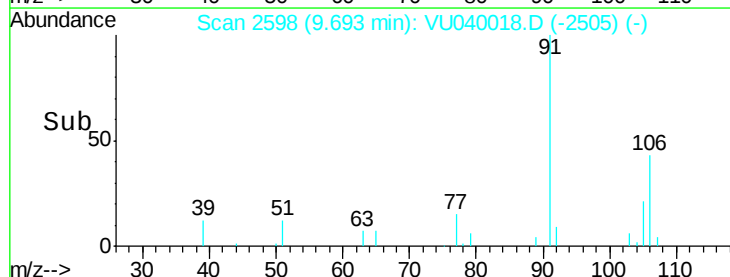
1000

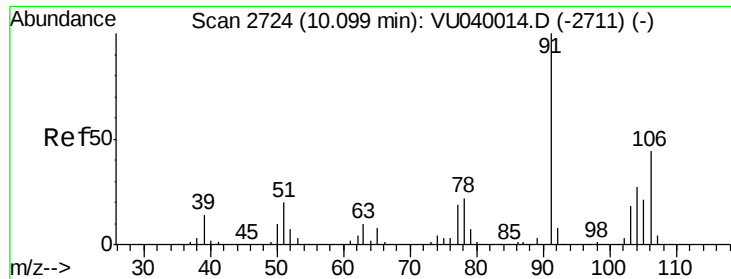
0

9.65

9.70

Time-->





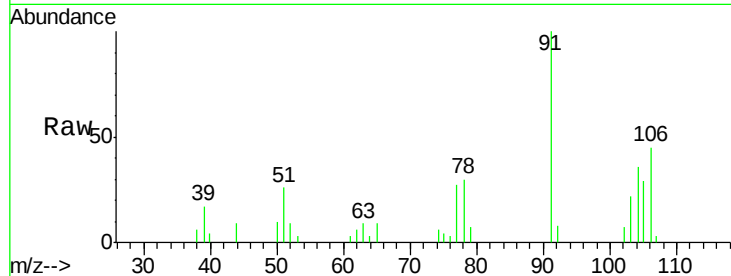
#54
o-Xylene
Concen: 0.192 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL03

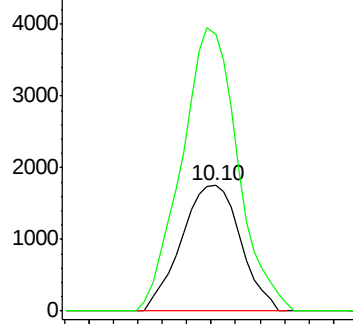
Tot Ion:106 Resp: 2946
Ion Ratio Lower Upper
106 100
91 220.1 160.8 298.6

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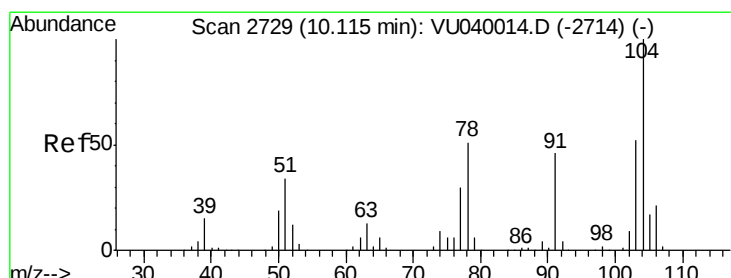
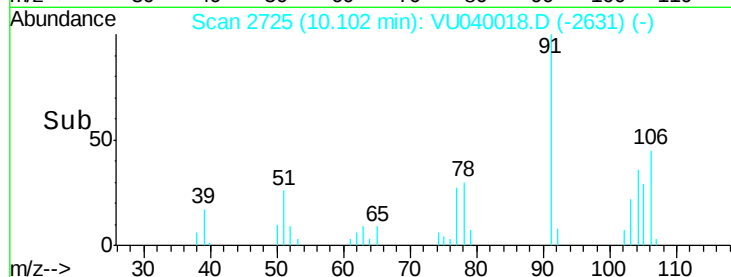
MMDadoda
9/4/2020 2:20:30 PM



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

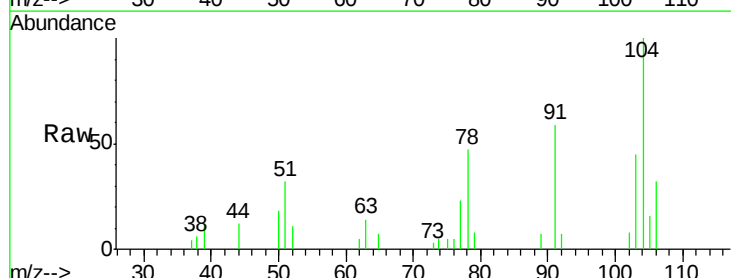


Time-->

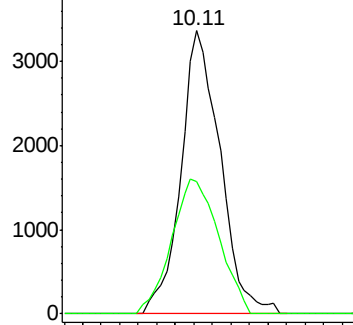


#55
Styrene
Concen: 0.185 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

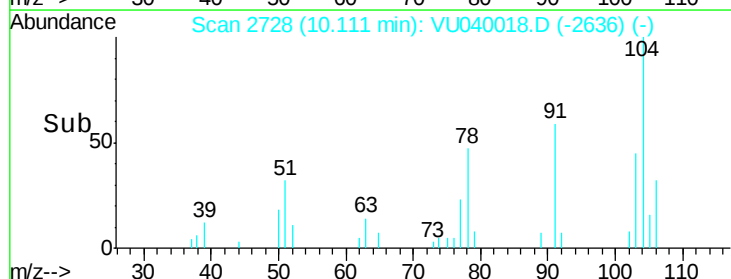
Tgt Ion:104 Resp: 4941
Ion Ratio Lower Upper
104 100
78 46.8 36.8 68.3

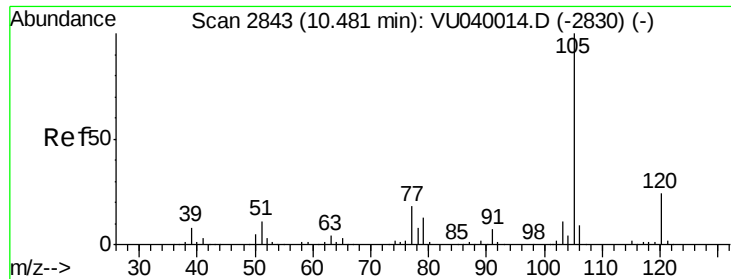


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0



Time-->





#56

Isopropylbenzene

Concen: 0.171 ug/L

RT: 10.48 min Scan# 2843

Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

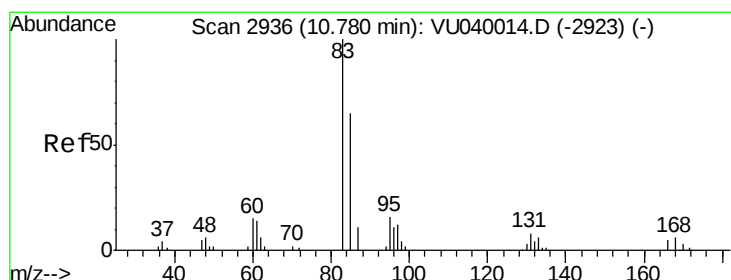
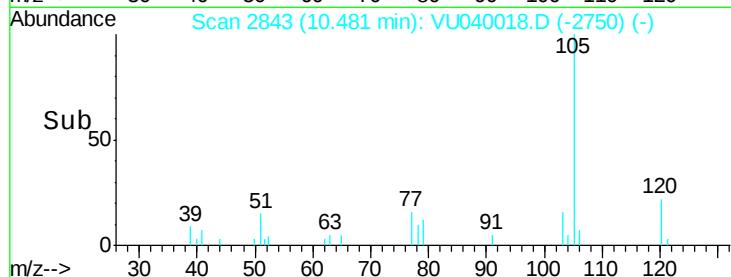
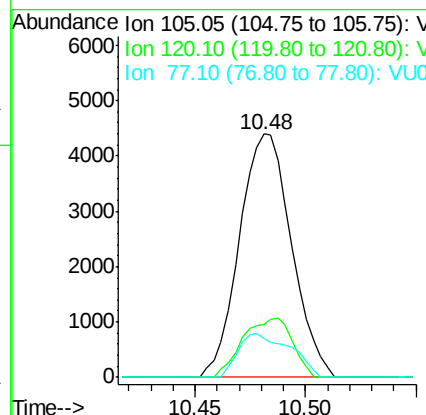
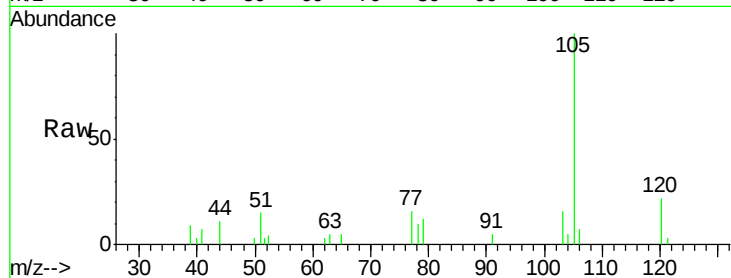
ClientSampled :

MDL03

Tot Ion:	105	Resp:	7172
Ion Ratio	Lower	Upper	
105	100		
120	23.3	20.1	30.1
77	18.0	14.4	21.6

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#58

1,1,2,2-Tetrachloroethane

Concen: 0.257 ug/L

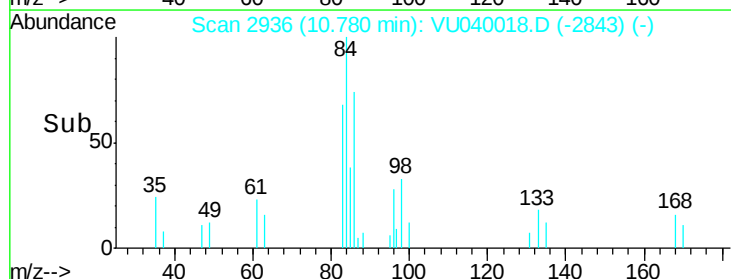
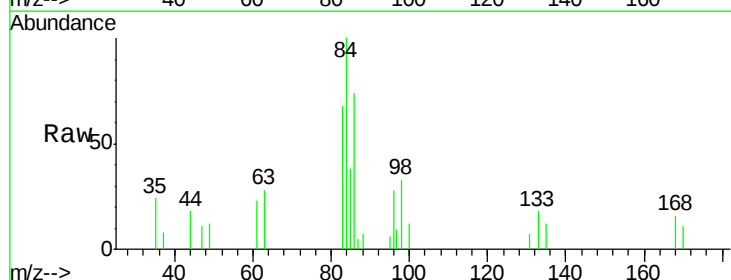
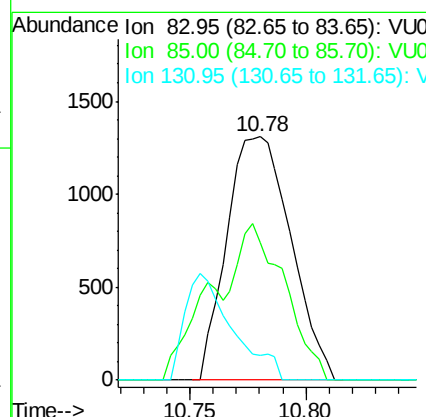
RT: 10.78 min Scan# 2936

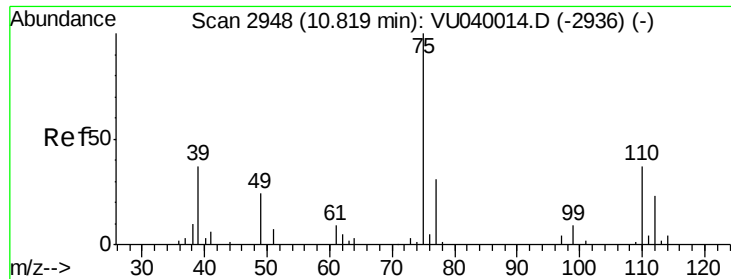
Delta R.T. -0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion:	83	Resp:	2514
Ion Ratio	Lower	Upper	
83	100		
85	56.3	44.9	83.3
131	10.0	7.4	11.0





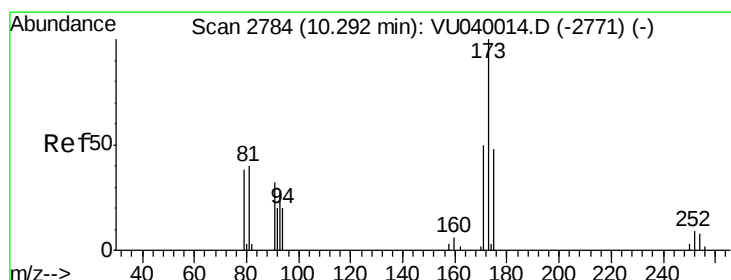
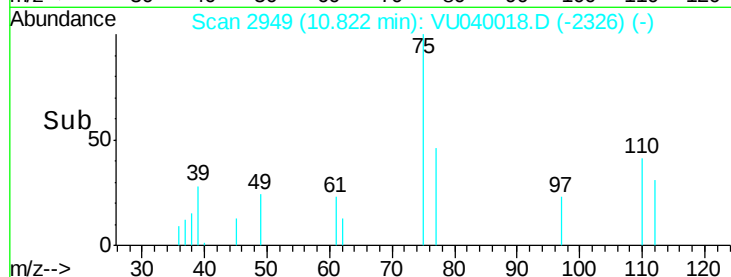
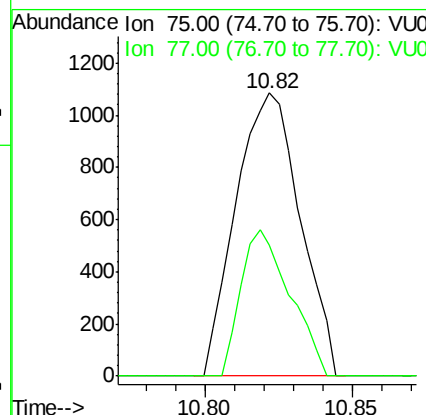
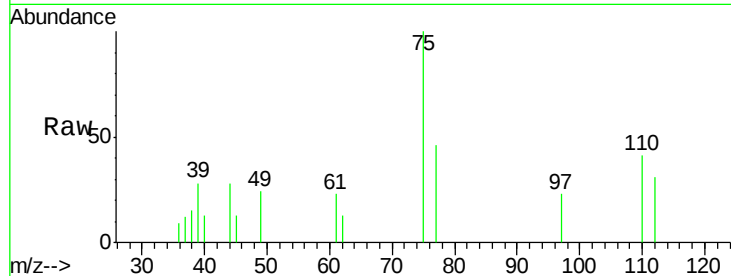
#59
1,2,3-Trichloropropane
Concen: 0.212 ug/L m
RT: 10.82 min Scan# 2949
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion: 75 Resp: 1646
Ion Ratio Lower Upper
75 100
77 193.1 24.9 37.3#

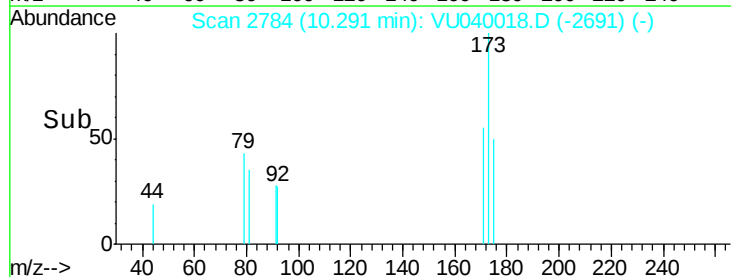
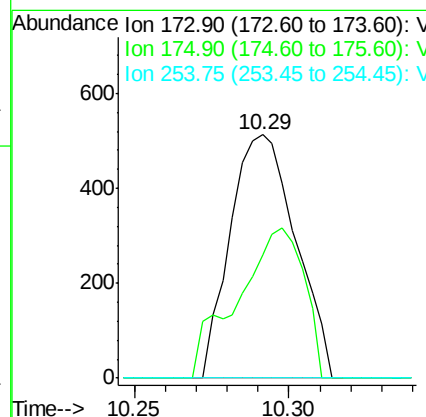
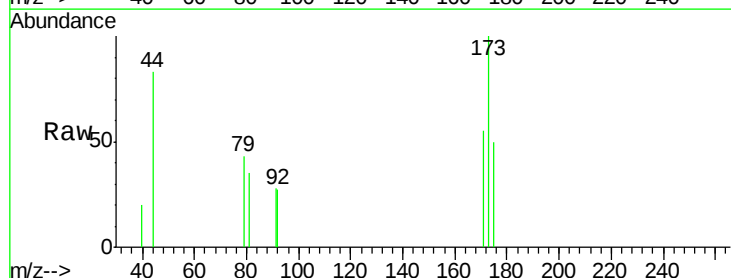
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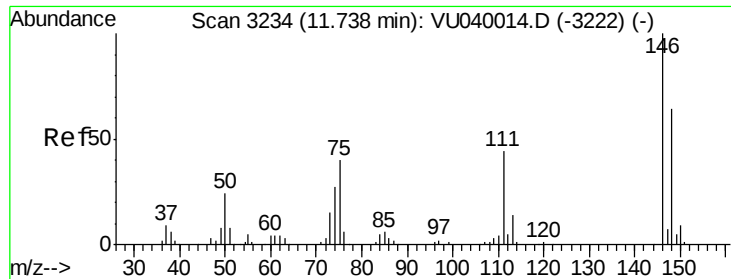
MMDadoda
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#61
Bromoform
Concen: 0.168 ug/L
RT: 10.29 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion:173 Resp: 752
Ion Ratio Lower Upper
173 100
175 62.8 37.8 56.6#
254 0.0 6.8 10.2#





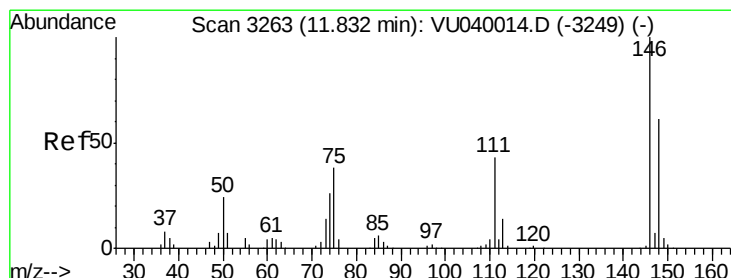
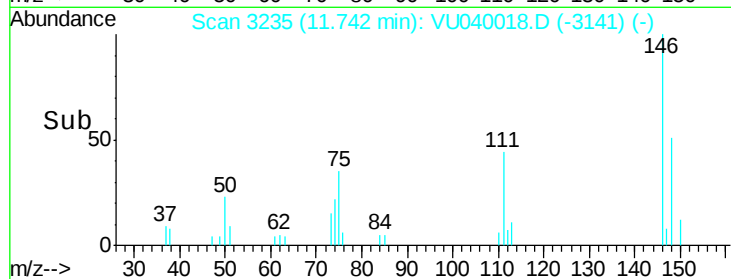
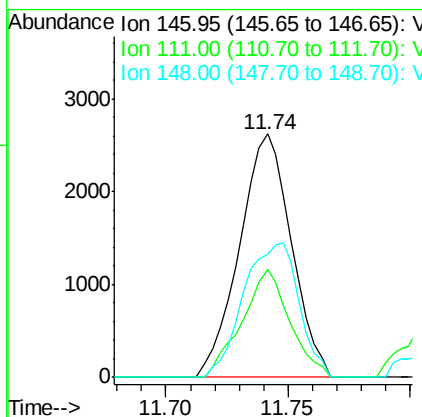
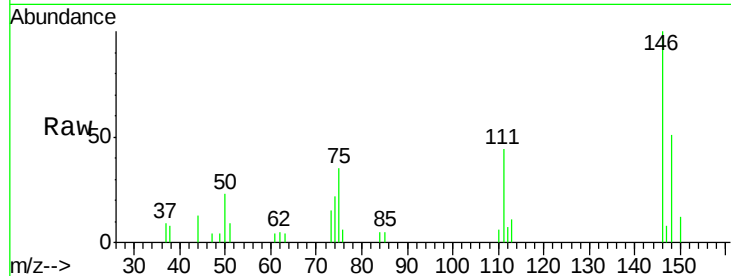
#62
 1,3-Dichlorobenzene
 Concen: 0.217 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	31.6	58.8
148	50.6	44.2	82.0

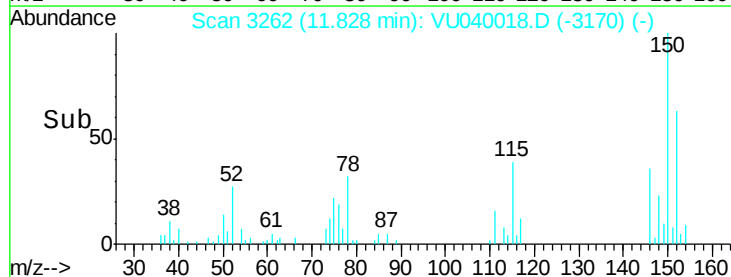
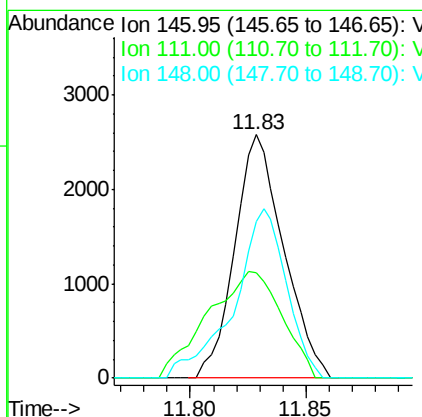
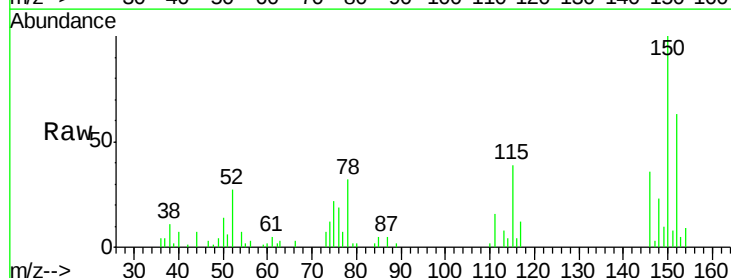
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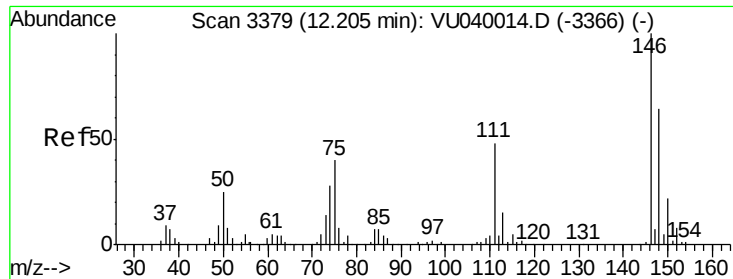
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#63
 1,4-Dichlorobenzene
 Concen: 0.209 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	30.5	56.7
148	64.5	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 0.204 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Instrument :

MSVOA_U

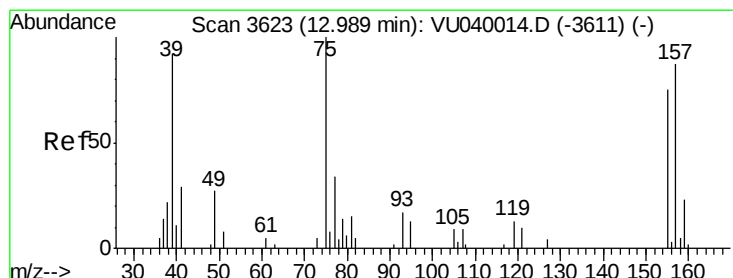
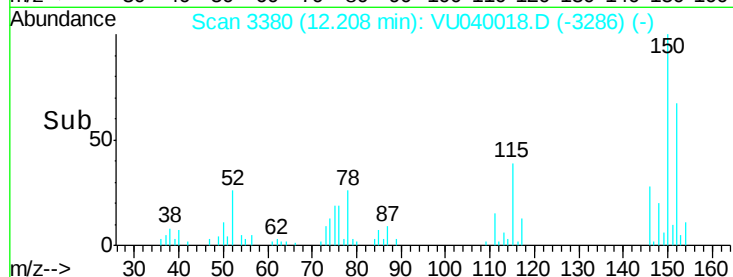
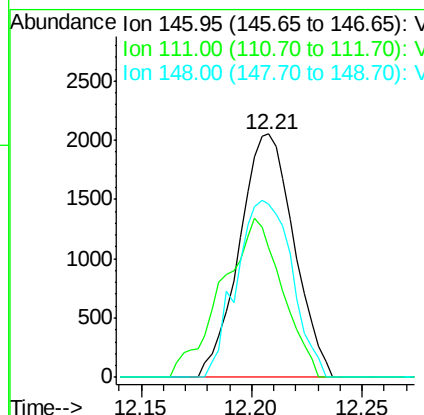
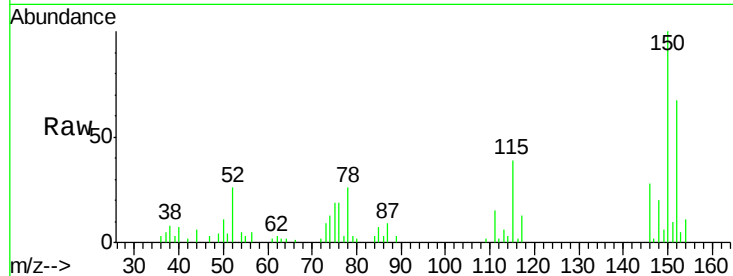
ClientSampleId :

MDL03

Tot Ion:	146	Resp:	3516
Ion Ratio	Lower	Upper	
146	100		
111	53.1	36.5	54.7
148	71.2	48.6	72.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.183 ug/L

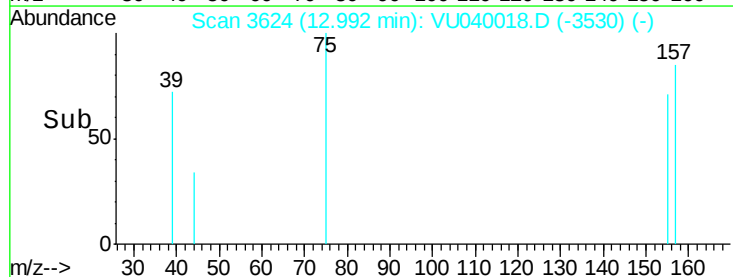
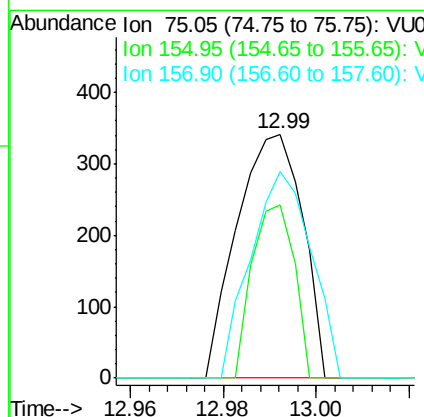
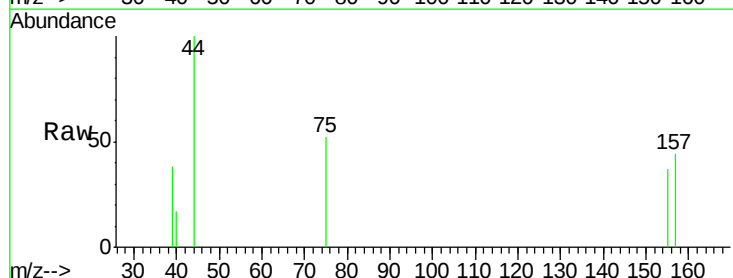
RT: 12.99 min Scan# 3624

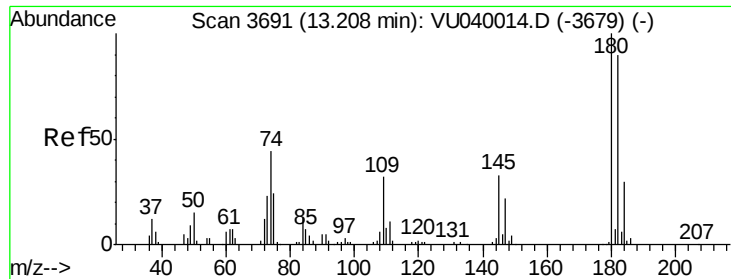
Delta R.T. 0.00 min

Lab File: VU040018.D

Acq: 02 Sep 2020 11:47

Tgt Ion:	75	Resp:	336
Ion Ratio	Lower	Upper	
75	100		
155	71.3	54.6	82.0
157	84.8	75.6	113.4





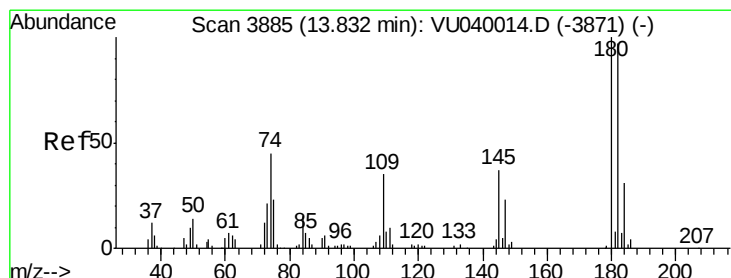
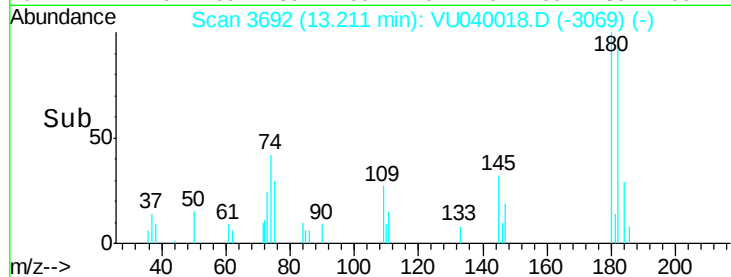
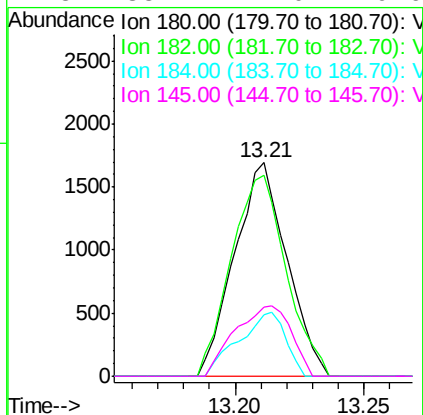
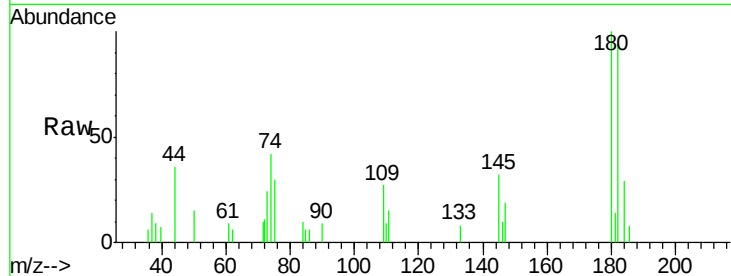
#67
 1,3,5-Trichlorobenzene
 Concen: 0.191 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion:	180	Resp:	2393
Ion	Ratio	Lower	Upper
180	100		
182	98.5	76.9	115.3
184	26.8	24.6	36.8
145	35.4	27.0	40.6

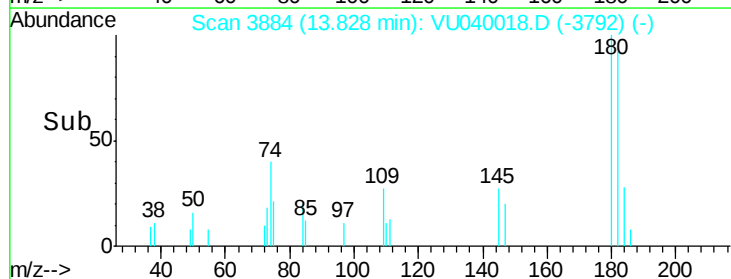
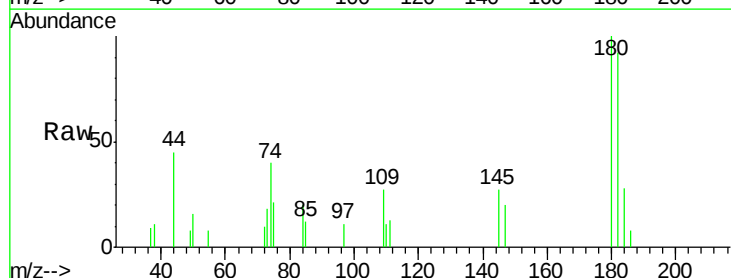
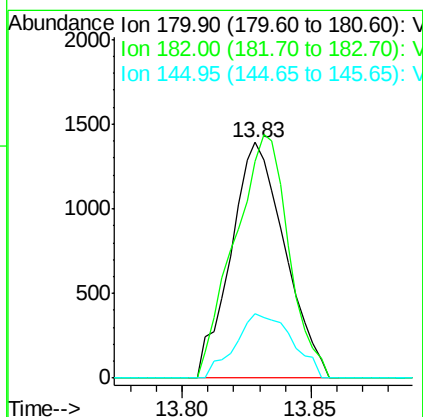
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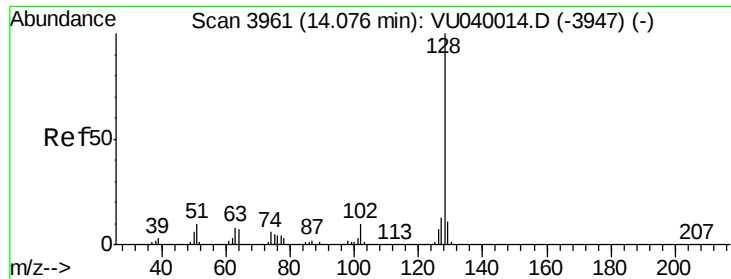
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#68
 1,2,4-trichlorobenzene
 Concen: 0.188 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040018.D
 Acq: 02 Sep 2020 11:47

Tgt Ion:	180	Resp:	2027
Ion	Ratio	Lower	Upper
180	100		
182	103.5	76.0	114.0
145	28.5	28.4	42.6





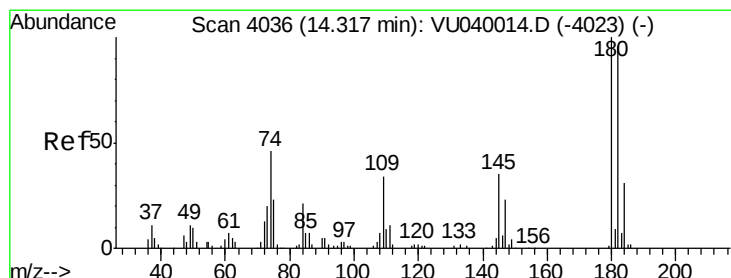
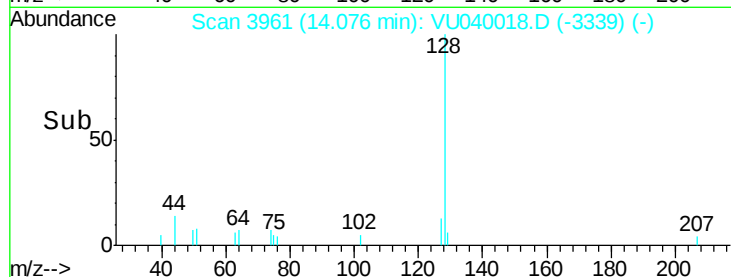
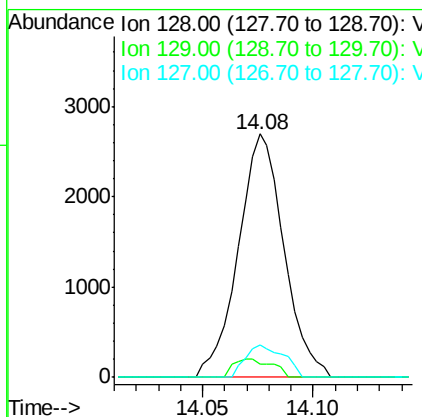
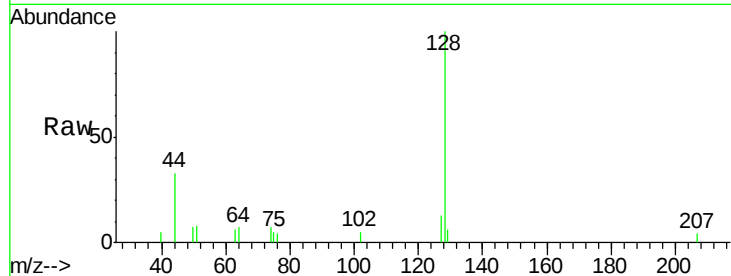
#69
Naphthalene
Concen: 0.173 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion	Ratio	Lower	Upper
128	100		
129	6.5	8.7	13.1#
127	11.2	10.7	16.1

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.191 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040018.D
Acq: 02 Sep 2020 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	85.4	77.8	116.6
145	40.5	28.7	43.1

