

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040021.D
 Acq On : 02 Sep 2020 12:59
 Operator : SY/MD
 Sample : MDL06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:45 PM

Quant Time: Sep 03 01:52:53 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	114749	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	114877	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27932	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.92	69	24839	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	95.20%
11) 1,1-Dichloroethene-d2	2.58	63	50479	3.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	62.80%
20) 2-Butanone-d5	4.65	46	132784	52.99	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.98%
24) Chloroform-d	5.08	84	67492	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.20%
26) 1,2-Dichloroethane-d4	5.72	65	42641	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
32) Benzene-d6	5.74	84	124392	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.71	67	42615	4.82	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.40%
41) Toluene-d8	7.91	98	108008	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	8.19	79	18469	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.64	63	96805	50.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.64%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	37887	4.96	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	41946	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2149	0.189 ug/L	98
3) Chloromethane	1.53	50	2467	0.226 ug/L	97
5) Vinyl chloride	1.61	62	2394	0.217 ug/L	86
6) Bromomethane	1.87	94	1314	0.233 ug/L	97
8) Chloroethane	1.94	64	1566	0.236 ug/L	91
9) Trichlorofluoromethane	2.15	101	3256	0.206 ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2440	0.238 ug/L #	84
12) 1,1-Dichloroethene	2.59	96	2001	0.225 ug/L #	1
13) Acetone	2.66	43	4765	2.054 ug/L	94
14) Carbon disulfide	2.81	76	5360	0.188 ug/L	98
15) Methyl Acetate	2.97	43	1114	0.191 ug/L #	67
16) Methylene chloride	3.06	84	3765	0.324 ug/L	86
17) Methyl tert-butyl Ether	3.38	73	4988	0.186 ug/L	95
18) trans-1,2-Dichloroethene	3.38	96	1797	0.188 ug/L	75
19) 1,1-Dichloroethane	3.90	63	3892	0.198 ug/L	90
21) 2-Butanone	4.74	43	7063	1.865 ug/L	94
22) cis-1,2-Dichloroethene	4.69	96	1829	0.178 ug/L	66

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Manual Integrations
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MMDadoda
 9/4/2020 2:20:45 PM

Quant Time: Sep 03 01:52:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
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 Response via : Initial Calibration

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

23) Bromochloromethane	5.00	128	907m	0.202	ug/L	
25) Chloroform	5.11	83	6317	0.314	ug/L	97
27) 1,2-Dichloroethane	5.81	62	2949	0.200	ug/L #	80
29) 1,1,1-Trichloroethane	5.33	97	3274	0.182	ug/L	95
30) Cyclohexane	5.41	56	3037	0.174	ug/L	95
31) Carbon tetrachloride	5.54	117	2858	0.185	ug/L	98
33) Benzene	5.79	78	8027	0.195	ug/L	100
34) Trichloroethene	6.55	95	1813	0.164	ug/L	91
35) Methylcyclohexane	6.77	83	2926	0.173	ug/L	94
37) 1,2-Dichloropropane	6.80	63	2571	0.231	ug/L #	88
38) Bromodichloromethane	7.12	83	2841	0.187	ug/L	99
39) cis-1,3-Dichloropropene	7.62	75	2830	0.172	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	15542	1.702	ug/L #	90
42) Toluene	7.97	91	8033	0.190	ug/L	96
44) trans-1,3-Dichloropropene	8.22	75	2826	0.186	ug/L #	30
45) 1,1,2-Trichloroethane	8.41	97	1389	0.171	ug/L	87
47) Tetrachloroethene	8.56	164	1347	0.186	ug/L	86
48) 2-Hexanone	8.69	43	15772	2.368	ug/L	93
49) Dibromochloromethane	8.82	129	1789	0.184	ug/L	98
50) 1,2-Dibromoethane	8.93	107	1562	0.200	ug/L #	83
51) Chlorobenzene	9.45	112	4911	0.187	ug/L	92
52) Ethylbenzene	9.57	91	8321	0.173	ug/L	99
53) m,p-Xylene	9.69	106	2799	0.163	ug/L	99
54) o-Xylene	10.10	106	2318	0.142	ug/L	95
55) Styrene	10.11	104	4355	0.153	ug/L	94
56) Isopropylbenzene	10.48	105	7136	0.160	ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.78	83	2010	0.193	ug/L #	95
59) 1,2,3-Trichloropropane	10.82	75	1611	0.195	ug/L	93
61) Bromoform	10.29	173	842	0.175	ug/L #	94
62) 1,3-Dichlorobenzene	11.74	146	3286	0.171	ug/L #	85
63) 1,4-Dichlorobenzene	11.83	146	3841	0.198	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	4122	0.222	ug/L	93
66) 1,2-Dibromo-3-chloropropan	12.99	75	272	0.137	ug/L #	73
67) 1,3,5-Trichlorobenzene	13.21	180	2633	0.195	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2019	0.174	ug/L	96
69) Naphthalene	14.08	128	3423	0.142	ug/L #	90
70) 1,2,3-Trichlorobenzene	14.32	180	1454	0.136	ug/L #	79

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

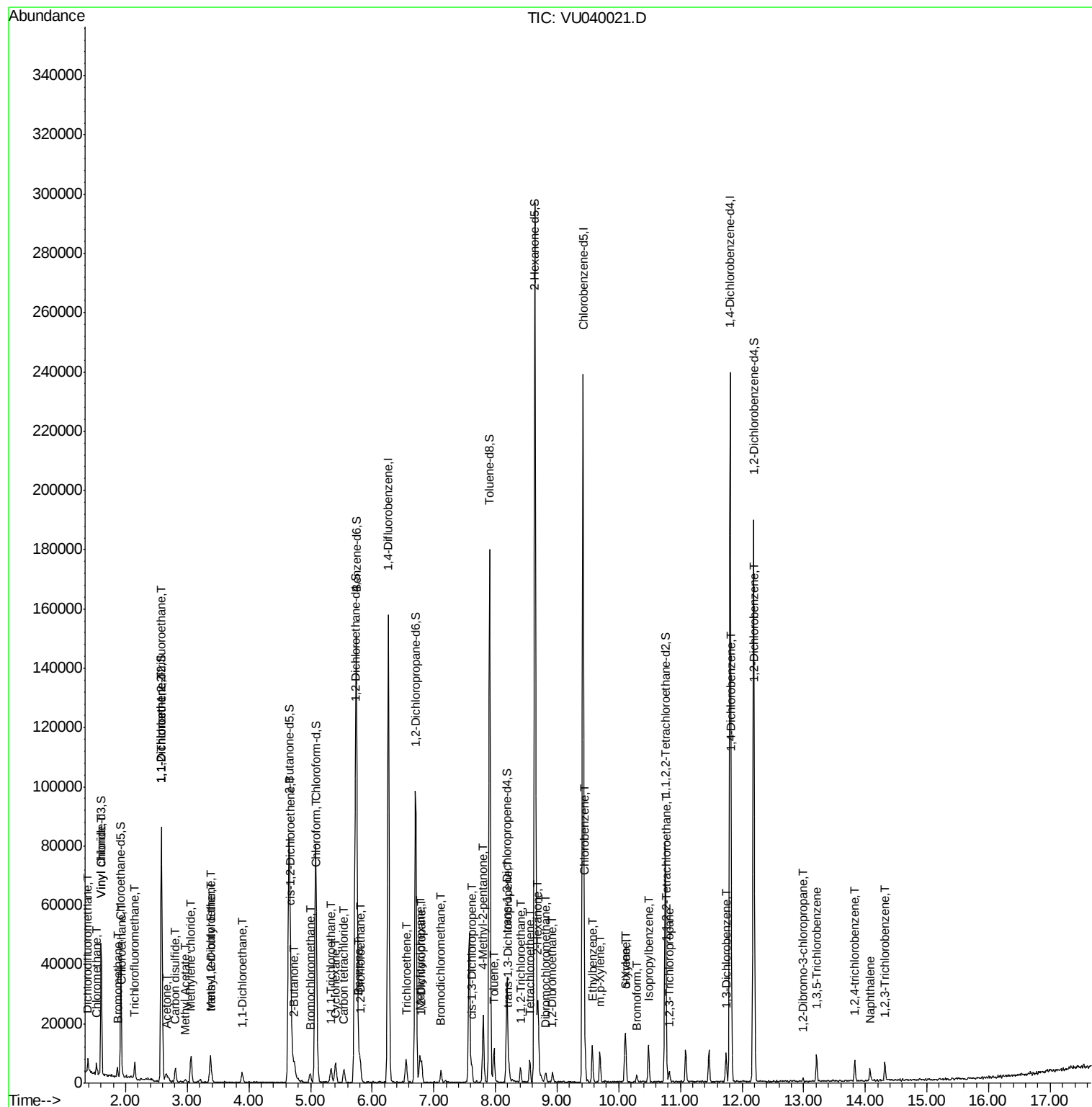
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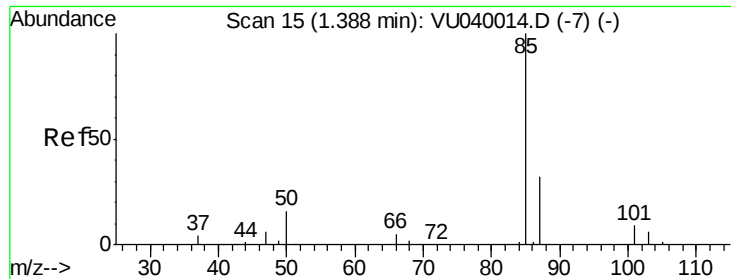
Instrument :
MSVOA_U
ClientSampleId :
MDL06

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Quant Time: Sep 03 01:52:53 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Sep 03 01:16:12 2020
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.189 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 85 Resp: 2149

Ion Ratio Lower Upper

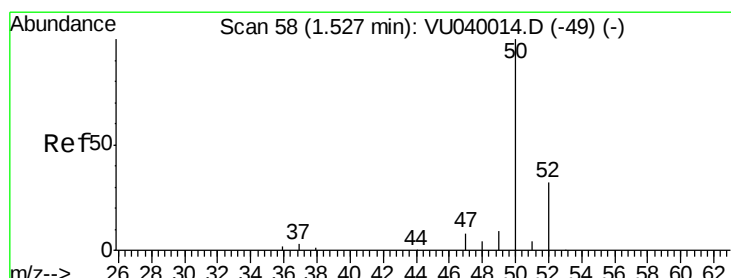
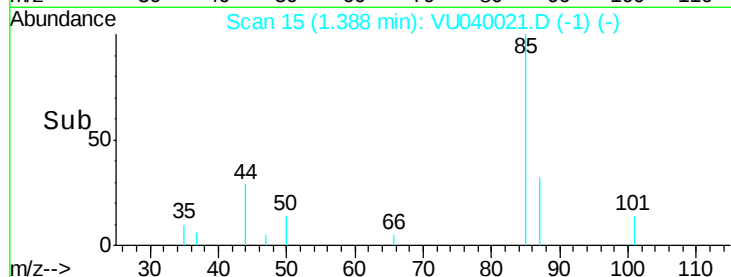
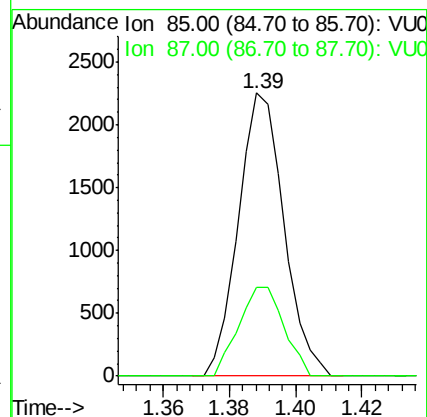
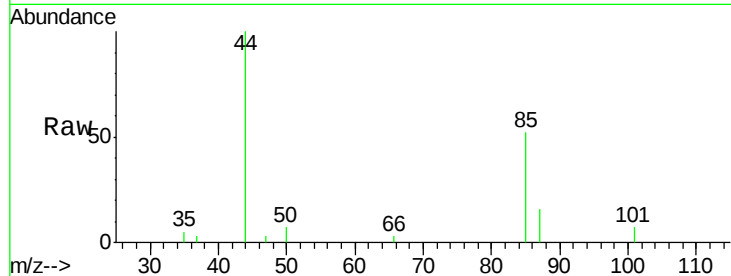
85 100

87 31.0 25.9 38.9

Manual Integrations
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#3

Chloromethane

Concen: 0.226 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040021.D

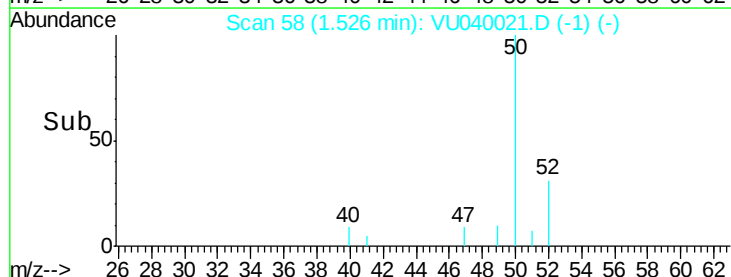
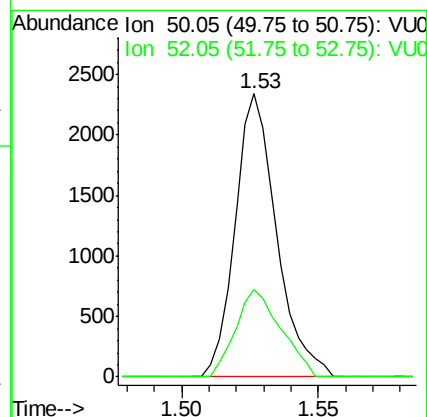
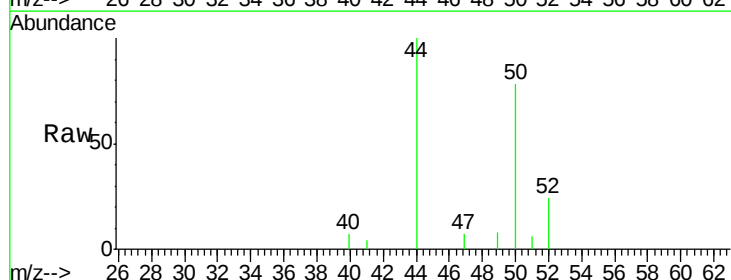
Acq: 02 Sep 2020 12:59

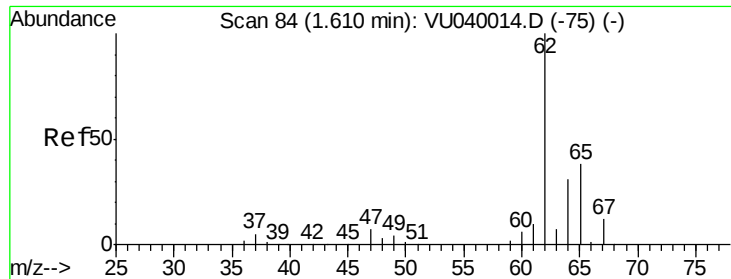
Tgt Ion: 50 Resp: 2467

Ion Ratio Lower Upper

50 100

52 31.1 22.8 42.4





#5

Vinyl chloride

Concen: 0.217 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 62 Resp: 2394

Ion Ratio Lower Upper

62 100

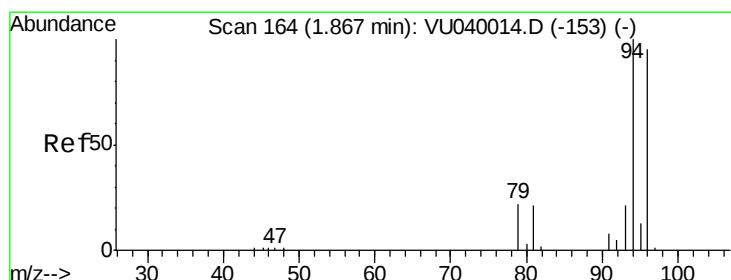
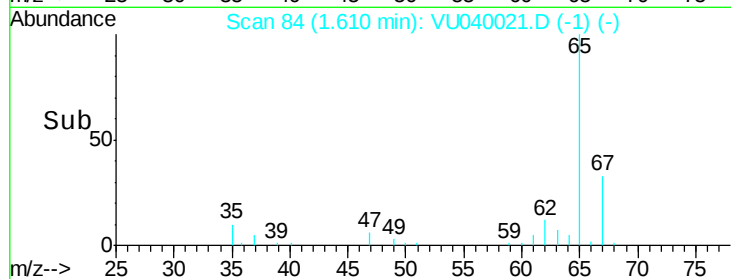
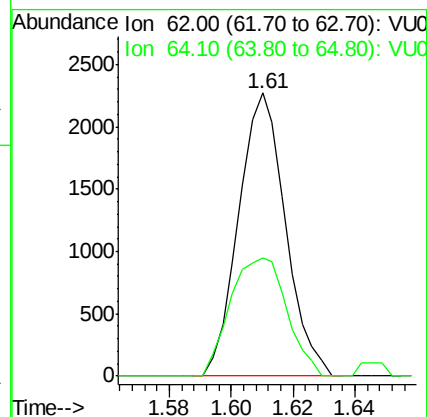
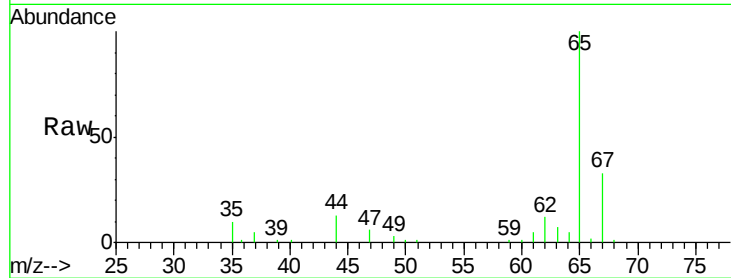
64 42.0 23.9 44.3

Manual Integrations

APPROVED

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#6

Bromomethane

Concen: 0.233 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040021.D

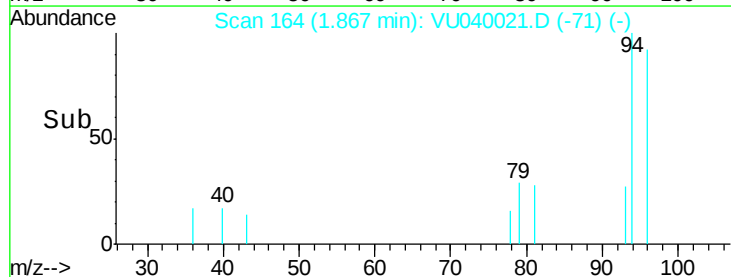
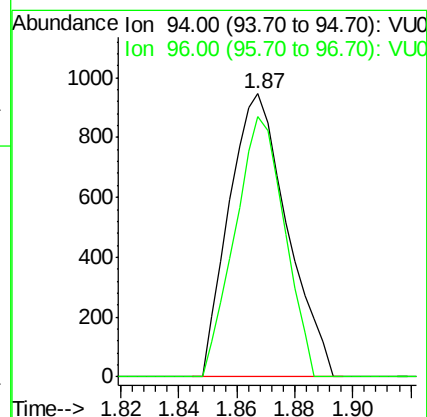
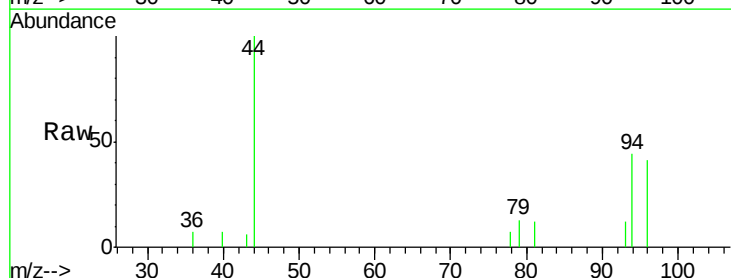
Acq: 02 Sep 2020 12:59

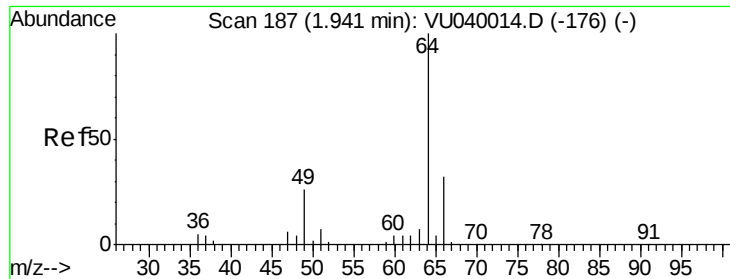
Tgt Ion: 94 Resp: 1314

Ion Ratio Lower Upper

94 100

96 91.9 62.3 115.7





#8

Chloroethane

Concen: 0.236 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 64 Resp: 1566

Ion Ratio Lower Upper

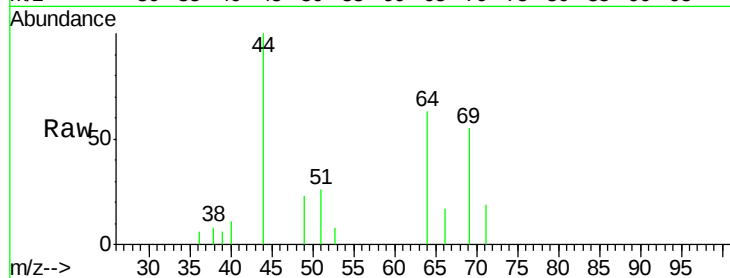
64 100

66 27.4 22.7 42.1

Manual Integrations
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Abundance Ion 64.10 (63.80 to 64.80): VU040021.D (-94) (-)

Ion 66.05 (65.75 to 66.75): VU040021.D (-94) (-)

1.94

1000

800

600

400

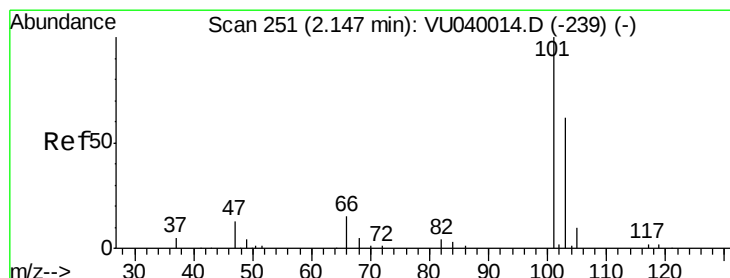
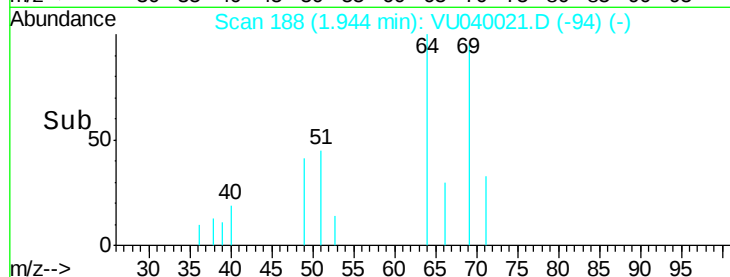
200

0

1.90

1.95

Time-->



#9

Trichlorofluoromethane

Concen: 0.206 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040021.D

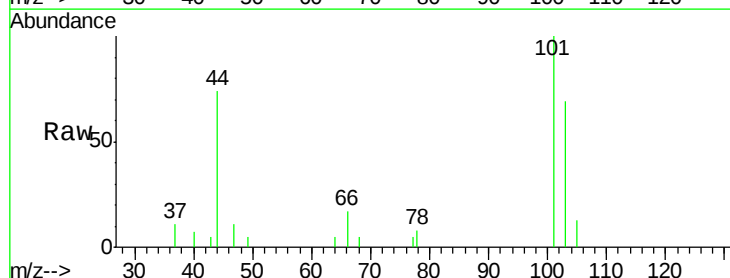
Acq: 02 Sep 2020 12:59

Tgt Ion: 101 Resp: 3256

Ion Ratio Lower Upper

101 100

103 58.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU040021.D (-158) (-)

Ion 103.00 (102.70 to 103.70): VU040021.D (-158) (-)

2.15

2000

1500

1000

500

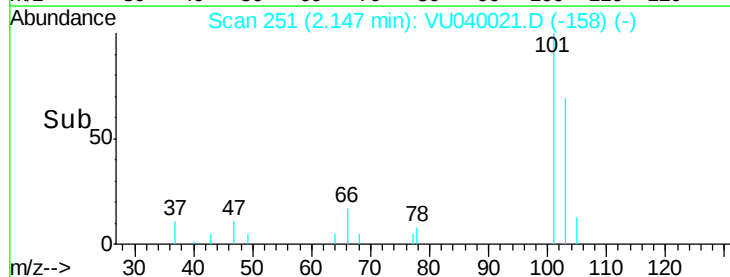
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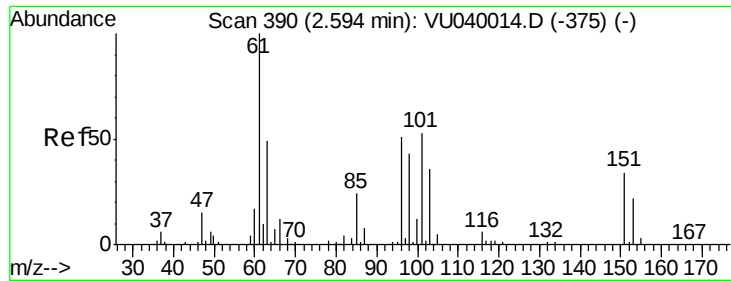
2.10

2.15

2.20

Time-->





#10

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

Concen: 0.238 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

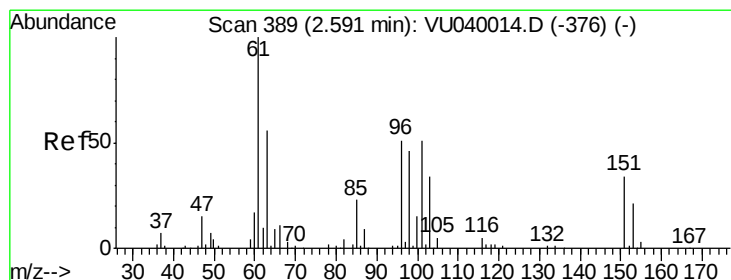
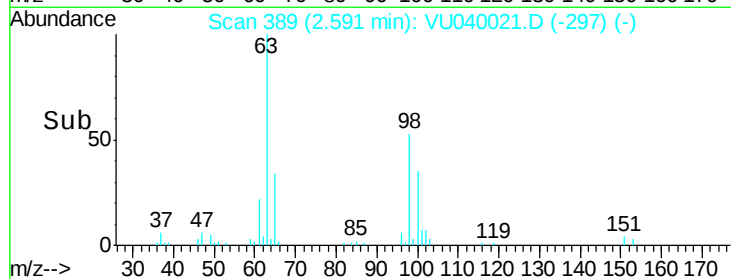
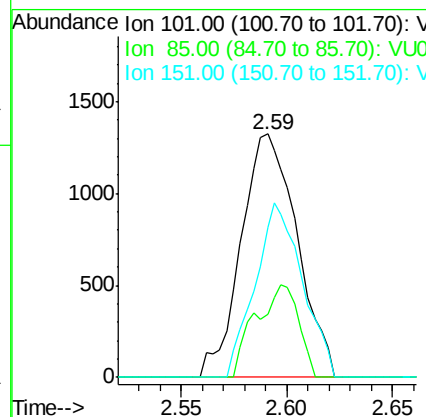
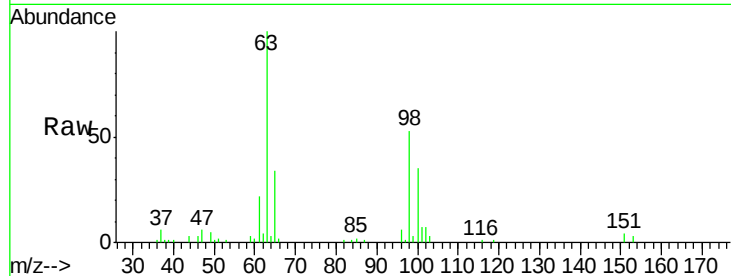
ClientSampleId :

MDL06

Tot Ion:	101	Resp:	2440
Ion Ratio	Lower	Upper	
101	100		
85	29.3	37.7	56.5#
151	60.7	53.9	80.9

Manual Integrations
APPROVED

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9/4/2020 2:20:45 PM



#12

1,1-Dichloroethene

Concen: 0.225 ug/L

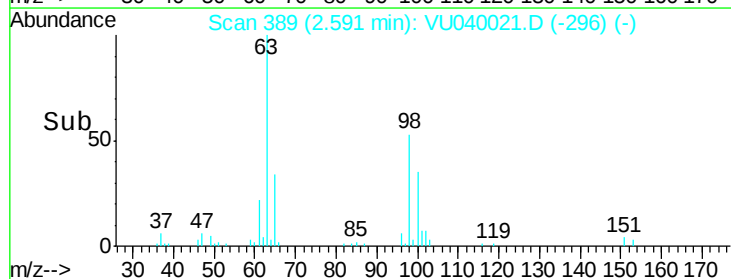
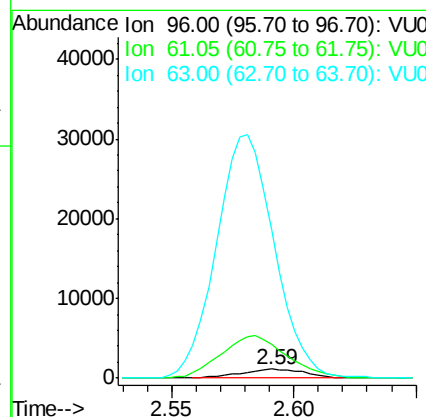
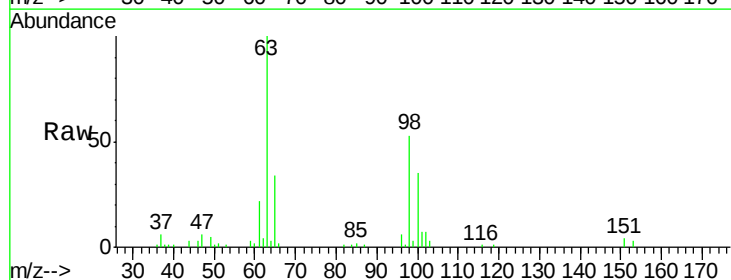
RT: 2.59 min Scan# 389

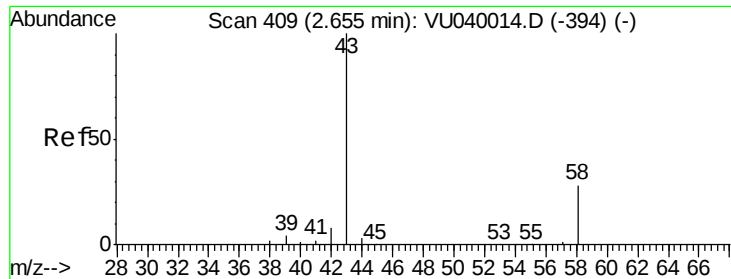
Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Tgt Ion:	96	Resp:	2001
Ion Ratio	Lower	Upper	
96	100		
61	362.9	138.3	256.8#
63	1623.1	77.6	144.2#





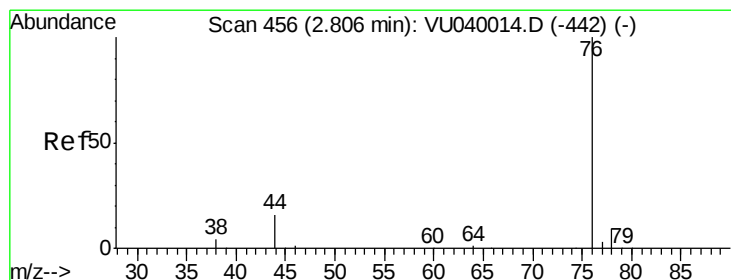
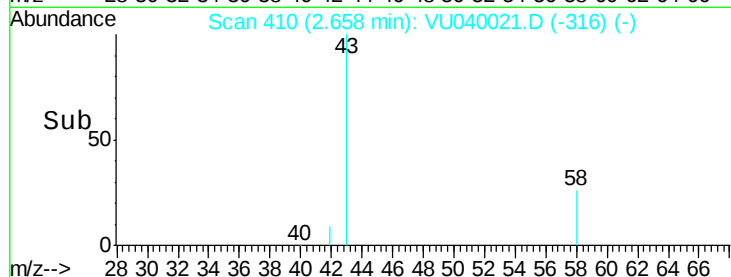
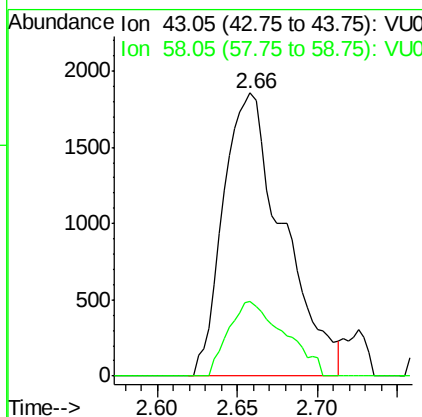
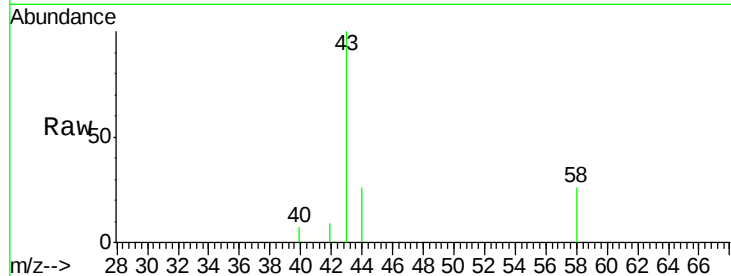
#13
Acetone
Concen: 2.054 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

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Tot Ion	43.05	Resp	4765
Ion	Ratio	Lower	Upper
43	100		
58	24.7	0.0	55.4

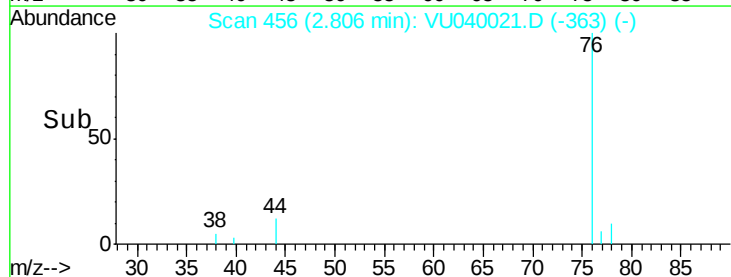
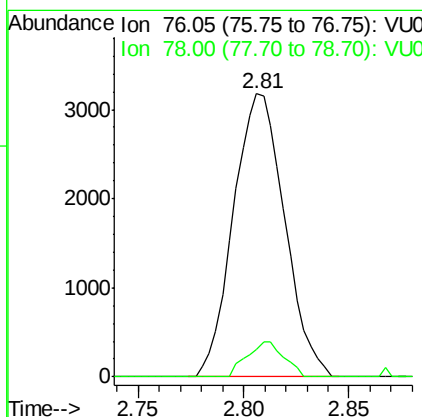
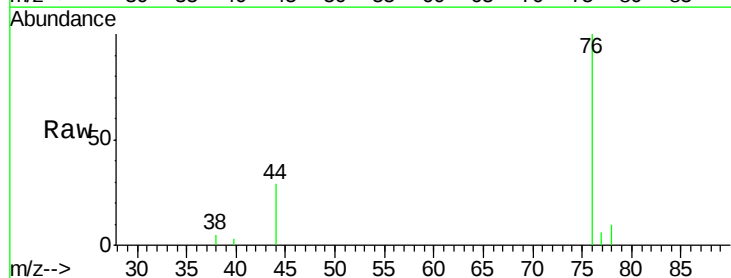
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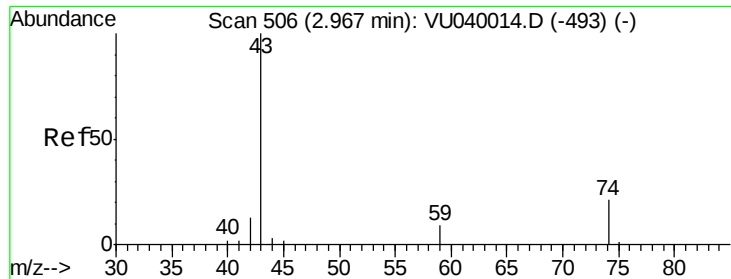
MMDadoda
9/4/2020 2:20:45 PM



#14
Carbon disulfide
Concen: 0.188 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	76	Resp	5360
Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.2	10.8





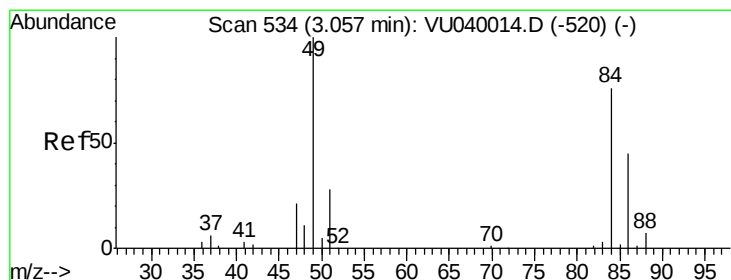
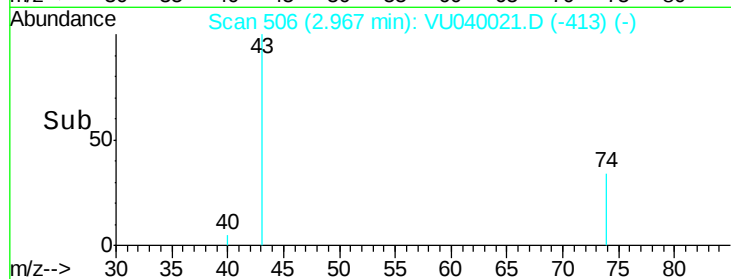
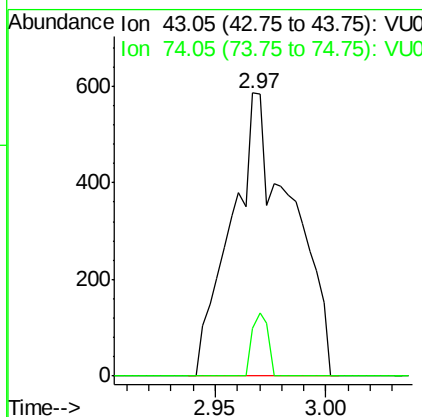
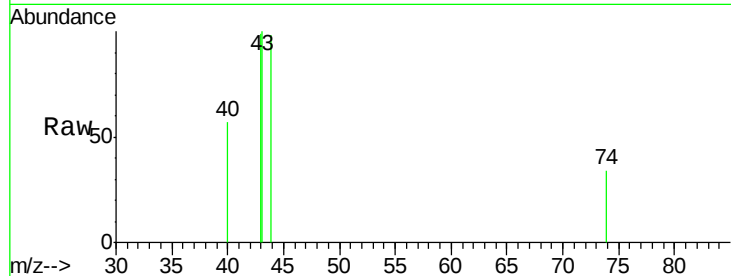
#15
Methvl Acetate
Concen: 0.191 ug/L
RT: 2.97 min Scan# 506
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion: 43 Resp: 1114
Ion Ratio Lower Upper
43 100
74 5.8 17.4 26.0#

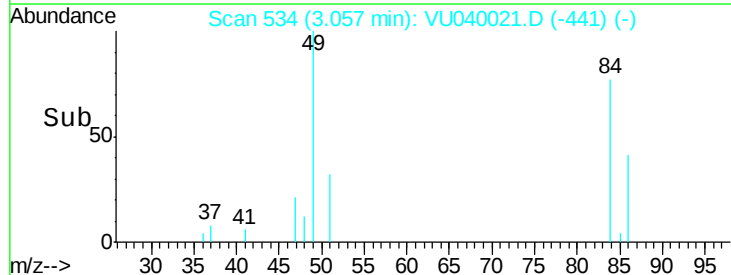
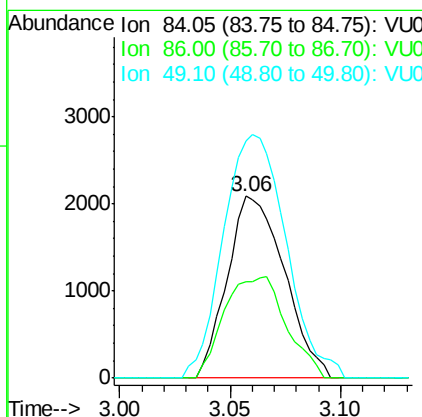
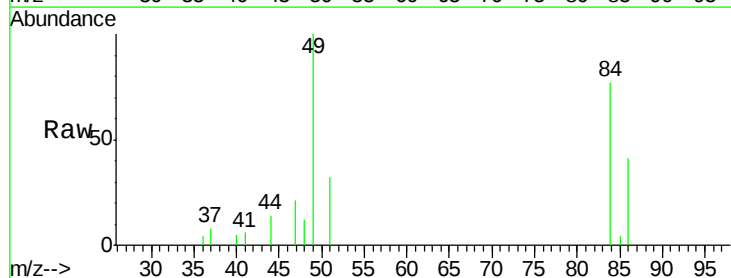
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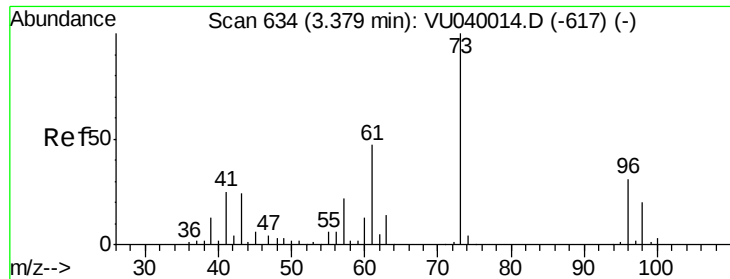
MMDadoda
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#16
Methylene chloride
Concen: 0.324 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion: 84 Resp: 3765
Ion Ratio Lower Upper
84 100
86 53.4 45.2 84.0
49 130.6 104.0 193.2





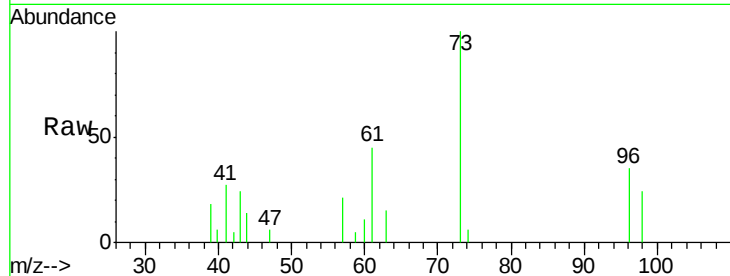
#17
Methvl tert-butvl Ether
Concen: 0.186 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

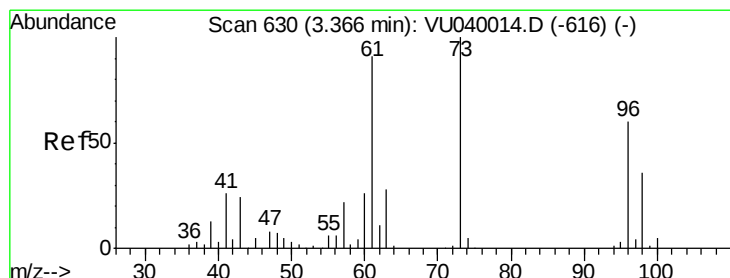
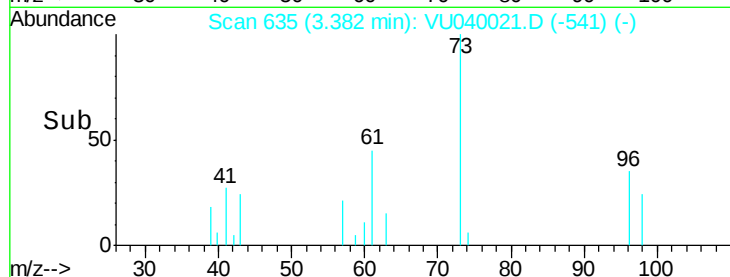
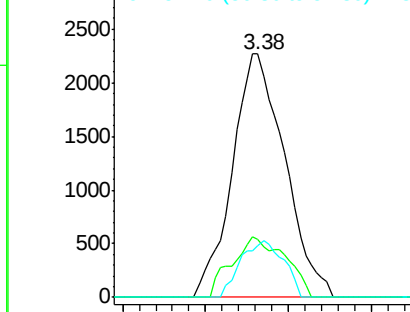
Tot Ion	Ratio	Lower	Upper
73	100		
43	25.3	19.1	28.7
57	19.0	18.3	27.5

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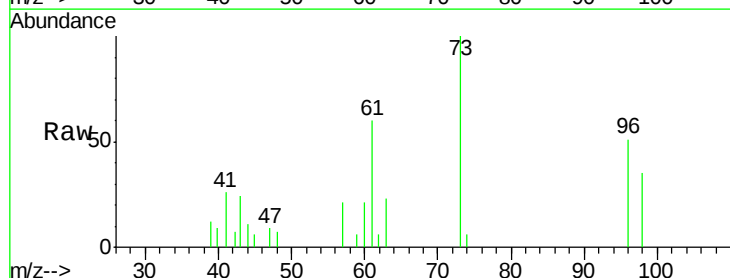


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

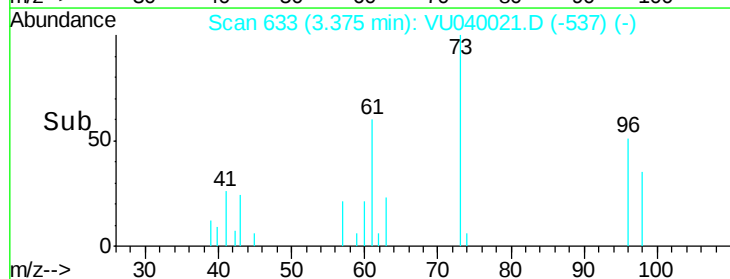
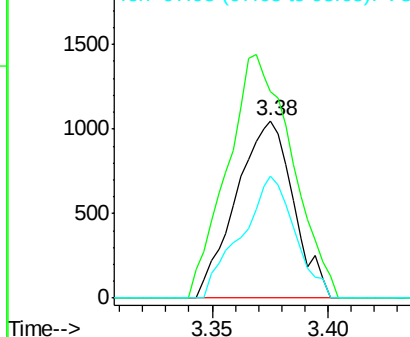


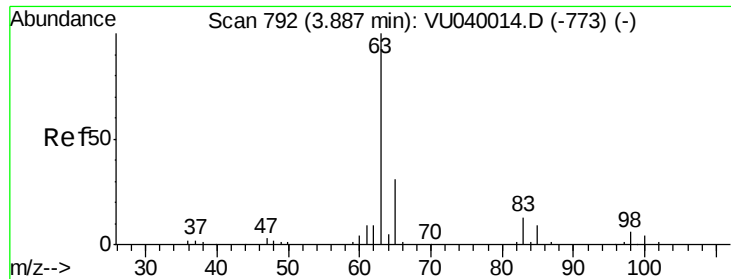
#18
trans-1,2-Dichloroethene
Concen: 0.188 ug/L
RT: 3.38 min Scan# 633
Delta R.T. 0.01 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	116.8	110.5	205.3
98	68.5	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





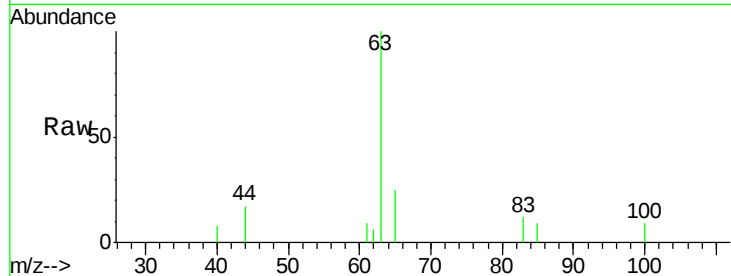
#19
 1,1-Dichloroethane
 Concen: 0.198 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

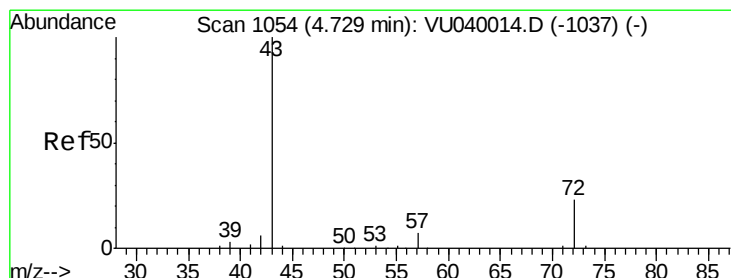
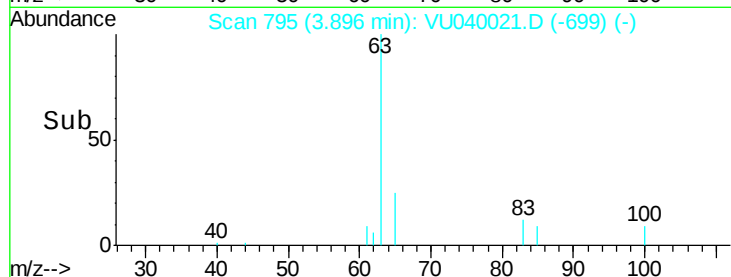
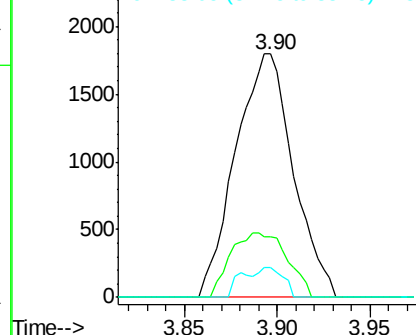
Tot Ion:	63	Resp:	3892
Ion	Ratio	Lower	Upper
63	100		
65	25.0	22.2	41.2
83	12.1	9.4	17.6

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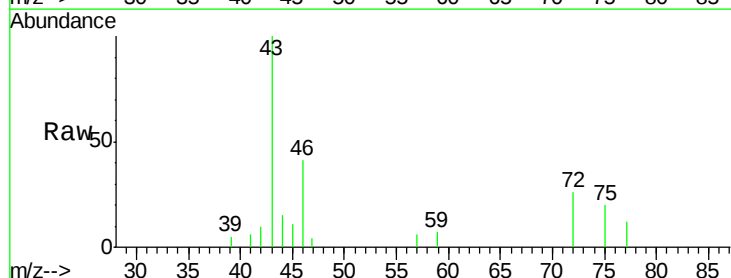


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

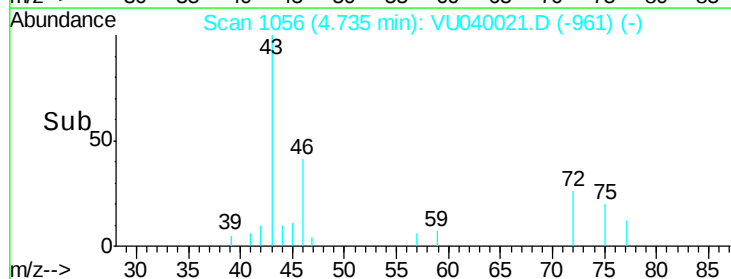
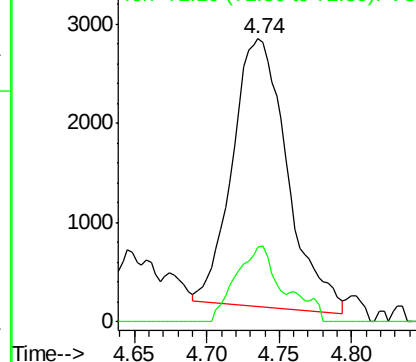


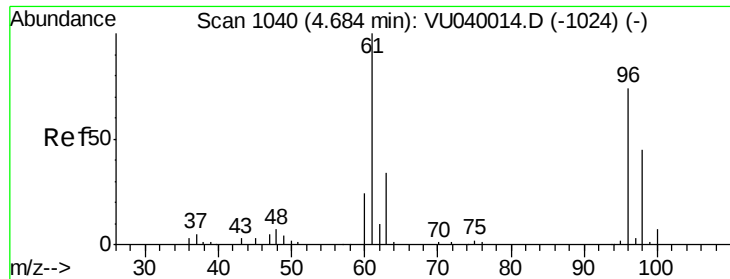
#21
 2-Butanone
 Concen: 1.865 ug/L
 RT: 4.74 min Scan# 1056
 Delta R.T. 0.01 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion:	43	Resp:	7063
Ion	Ratio	Lower	Upper
43	100		
72	20.1	11.7	35.0



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 0.178 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

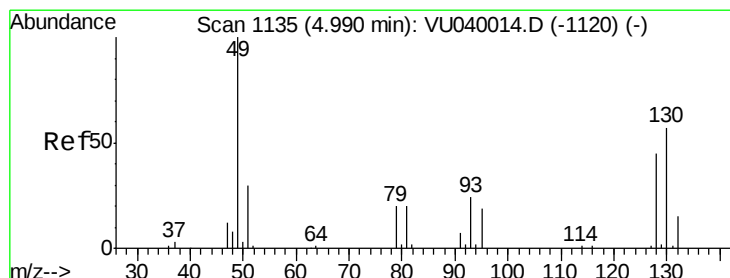
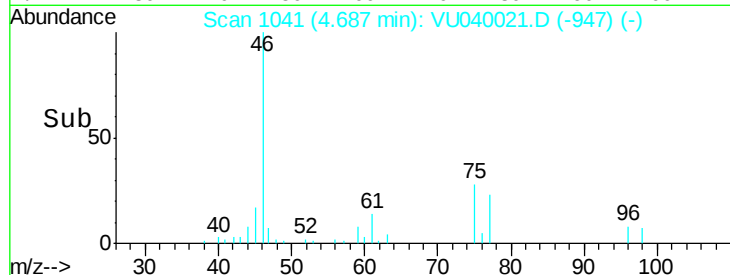
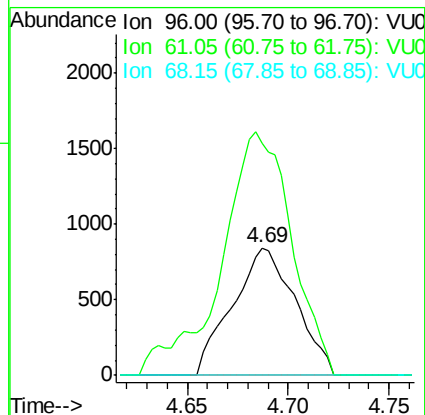
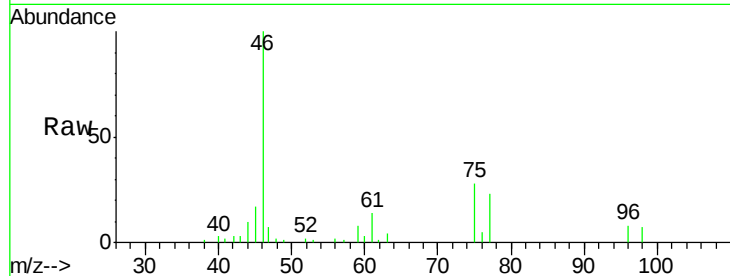
ClientSampleId :

MDL06

Tot Ion:	96	Resp:	1829
Ion	Ratio	Lower	Upper
96	100		
61	182.3	98.8	183.4
68	0.0	0.0	0.0

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#23

Bromochloromethane

Concen: 0.202 ug/L m

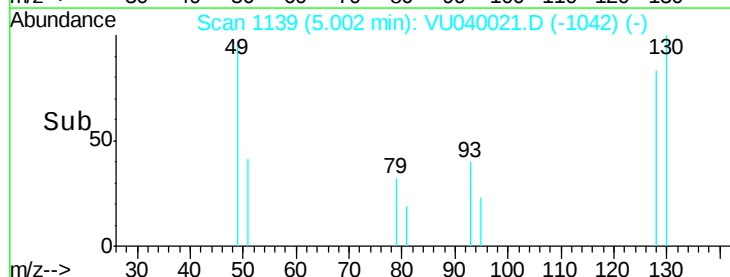
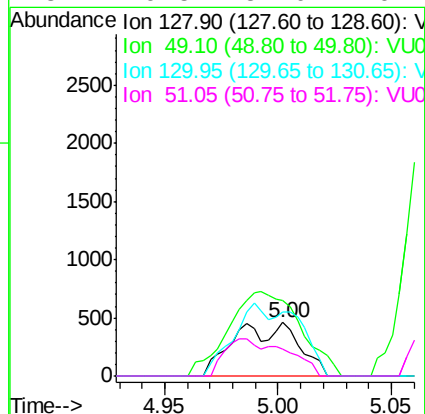
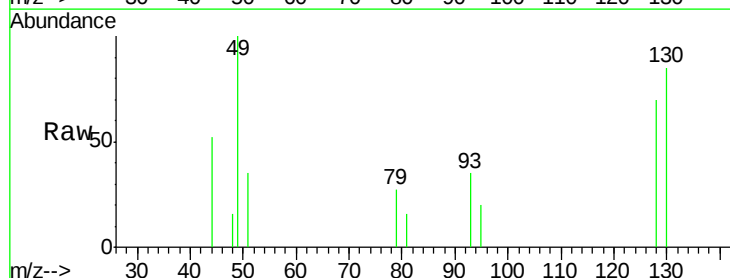
RT: 5.00 min Scan# 1139

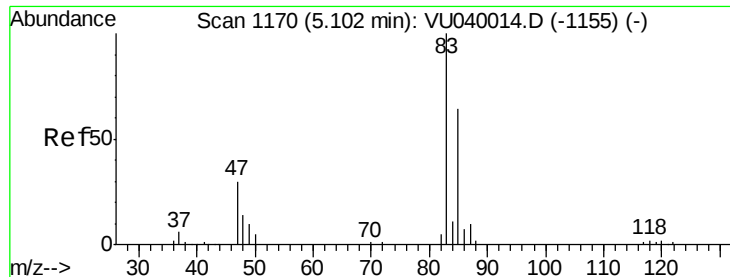
Delta R.T. 0.01 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Tgt Ion:	128	Resp:	907
Ion	Ratio	Lower	Upper
128	100		
49	142.0	143.4	266.4#
130	121.1	89.5	166.3
51	49.5	51.0	76.4#





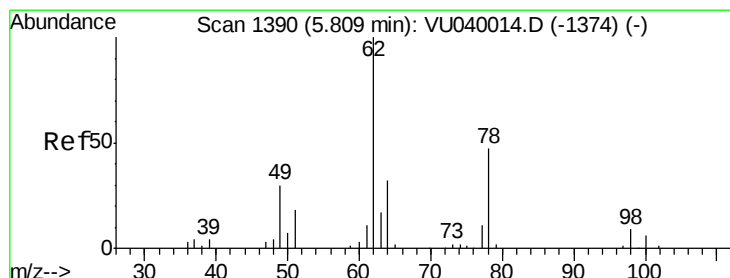
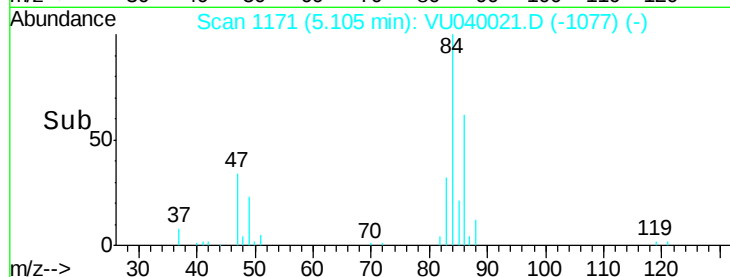
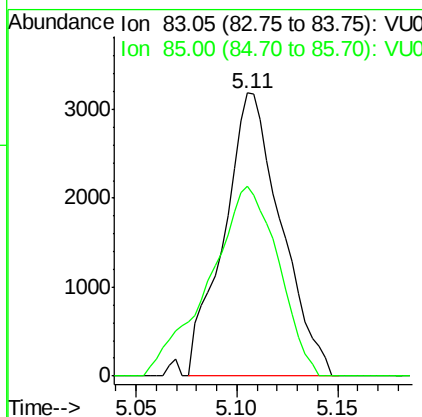
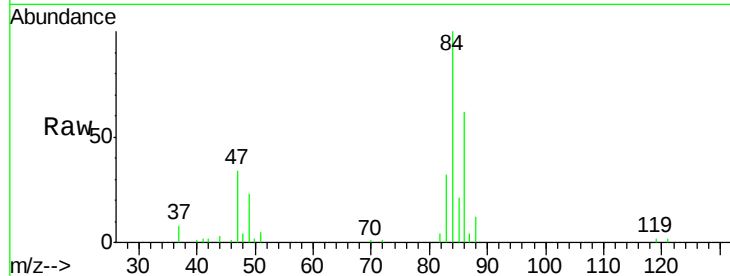
#25
Chloroform
Concen: 0.314 ug/L
RT: 5.11 min Scan# 1171
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	83	Resp	6317
Ion Ratio	100	Lower	Upper
85	67.1	45.3	84.1

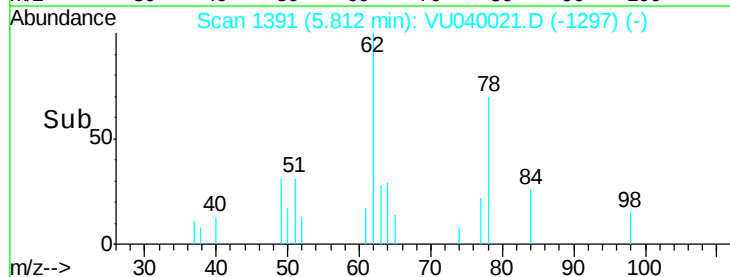
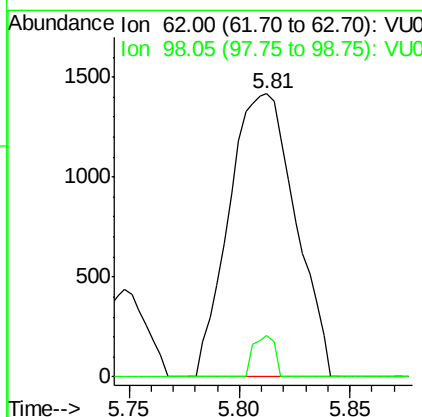
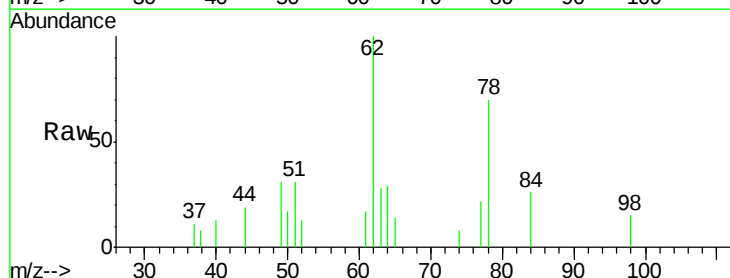
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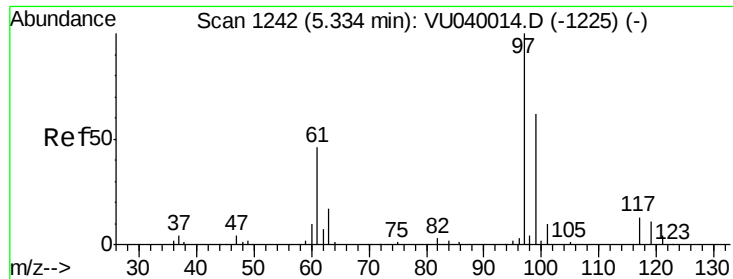
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.200 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	62	Resp	2949
Ion Ratio	100	Lower	Upper
98	14.7	6.1	9.1#





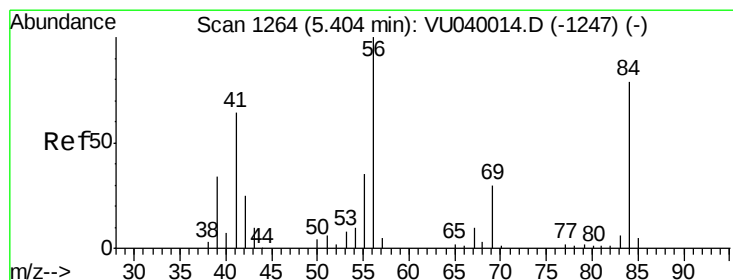
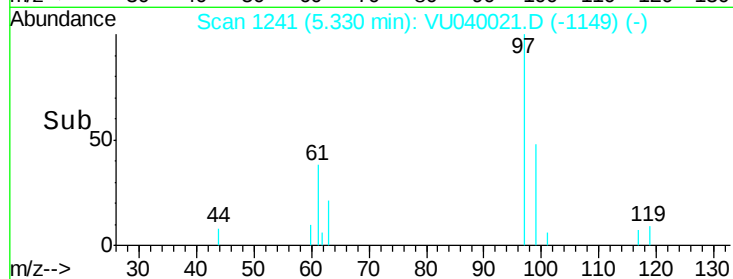
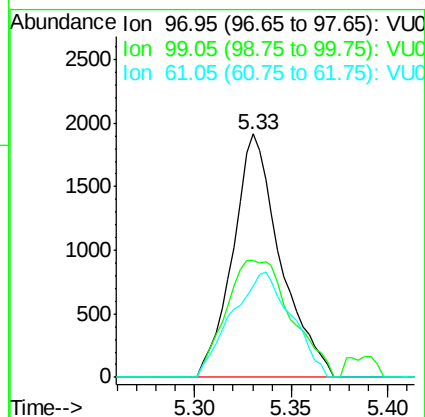
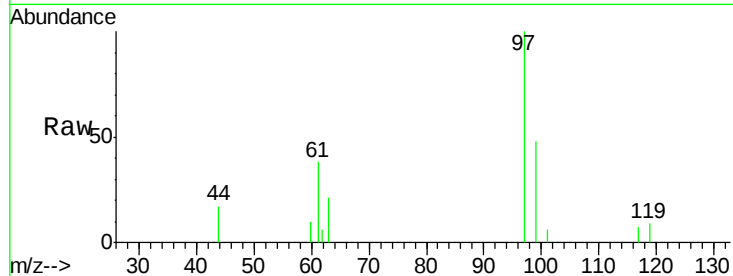
#29
1,1,1-Trichloroethane
Concen: 0.182 ug/L
RT: 5.33 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.9	76.3
61	54.3	39.5	59.3

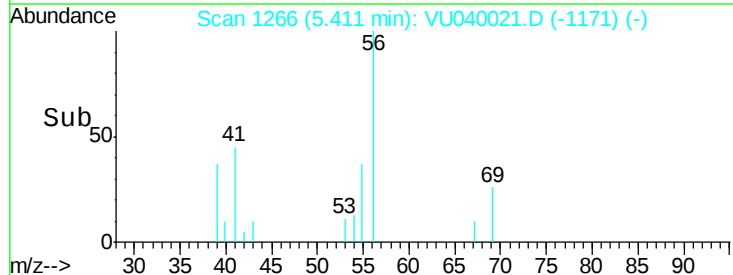
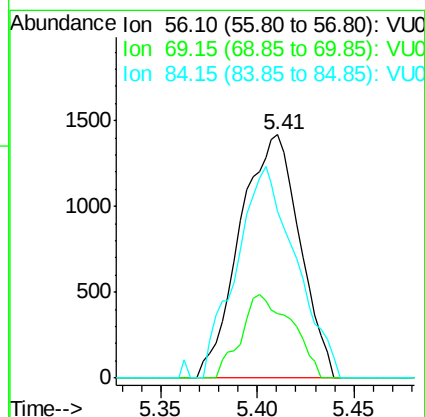
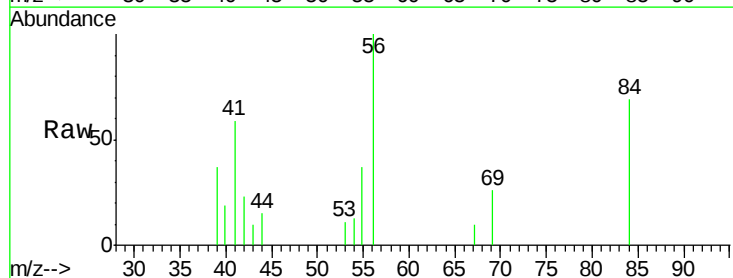
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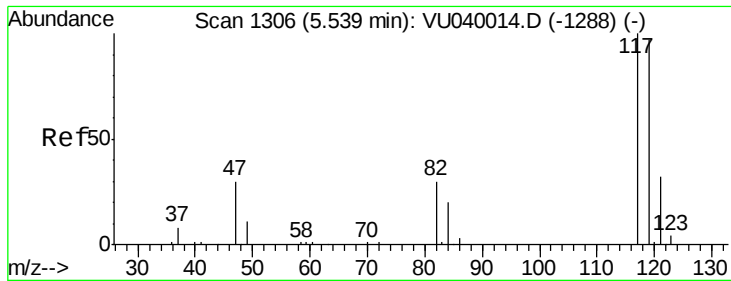
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#30
Cyclohexane
Concen: 0.174 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.3	24.1	36.1
84	86.5	65.0	97.4





#31

Carbon tetrachloride

Concen: 0.185 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion:117 Resp: 2858

Ion Ratio Lower Upper

117 100

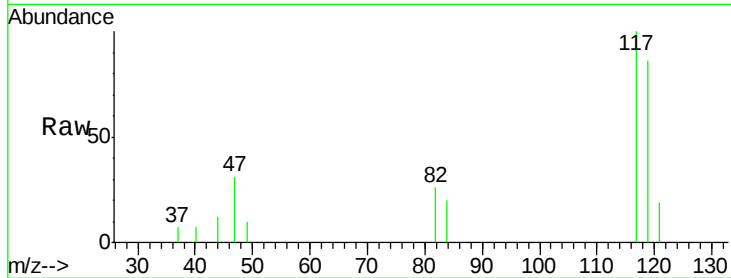
119 94.9 77.7 116.5

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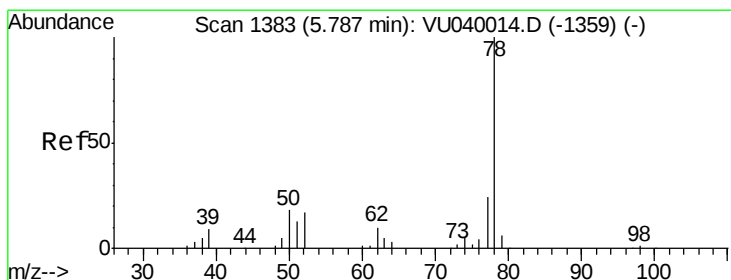
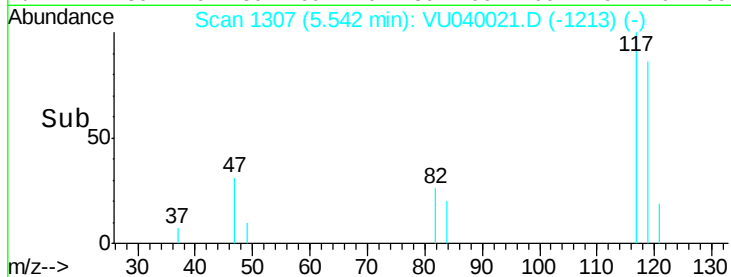
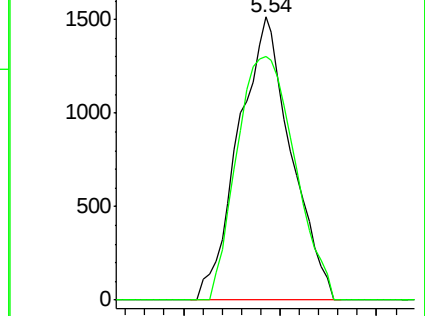
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.195 ug/L

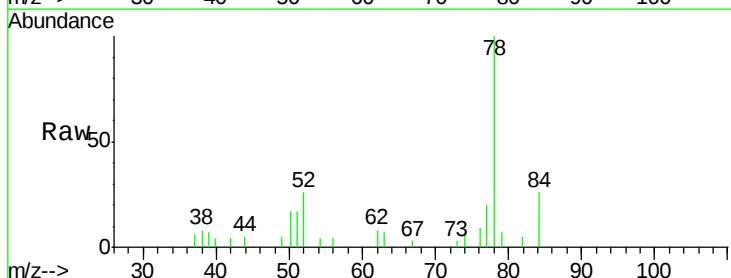
RT: 5.79 min Scan# 1383

Delta R.T. -0.00 min

Lab File: VU040021.D

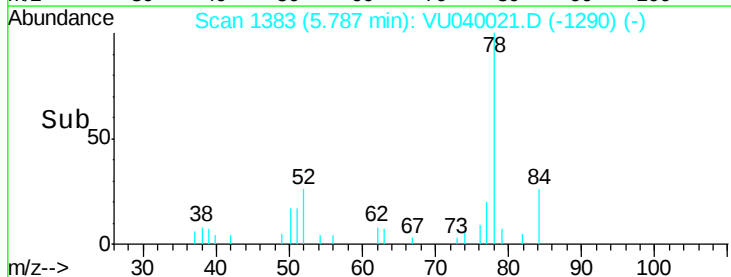
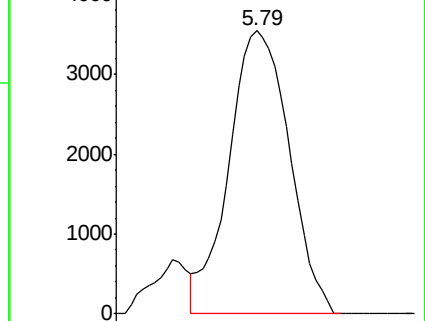
Acq: 02 Sep 2020 12:59

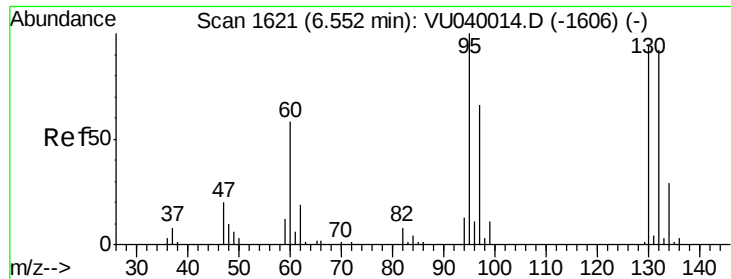
Tgt Ion: 78 Resp: 8027



Abundance Ion 78.10 (77.80 to 78.80): VU0

5.79





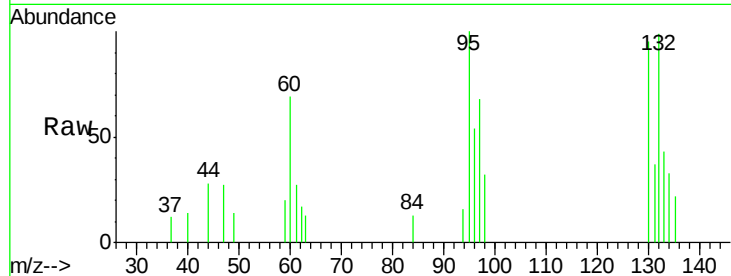
#34
 Trichloroethene
 Concen: 0.164 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	95	Resp:	1813
Ion	Ratio	Lower	Upper
95	100		
97	67.8	43.3	80.5
132	99.1	59.4	110.4
130	95.5	64.8	120.4

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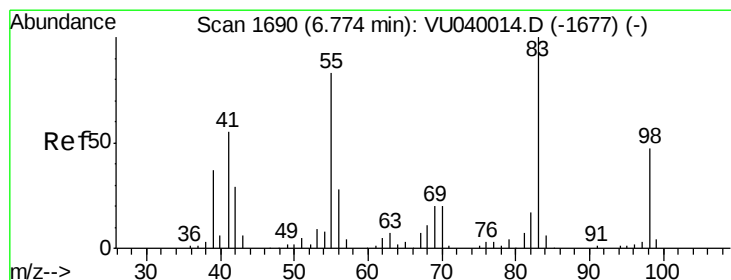
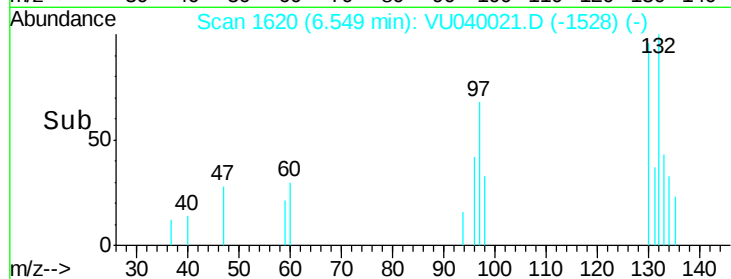
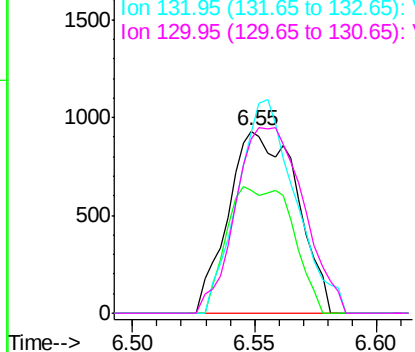


Abundance Ion 95.00 (94.70 to 95.70): VU040021.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040021.D (-1528) (-)

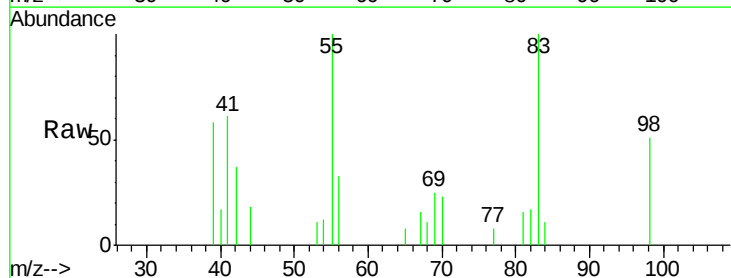
Ion 131.95 (131.65 to 132.65): VU040021.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040021.D (-1528) (-)



#35
 Methylcyclohexane
 Concen: 0.173 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

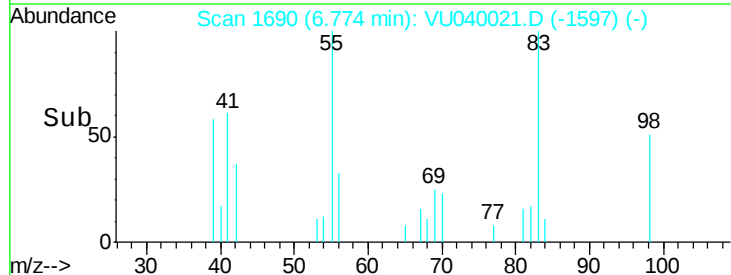
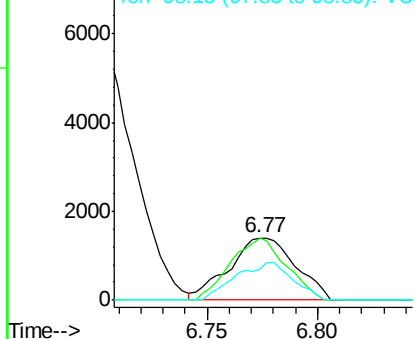
Tgt Ion:	83	Resp:	2926
Ion	Ratio	Lower	Upper
83	100		
55	83.6	70.5	105.7
98	51.7	37.8	56.6

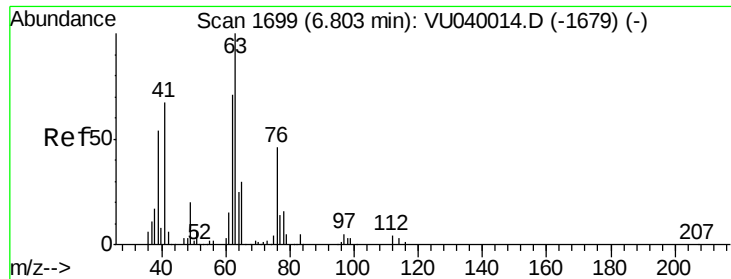


Abundance Ion 83.15 (82.85 to 83.85): VU040021.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040021.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040021.D (-1597) (-)





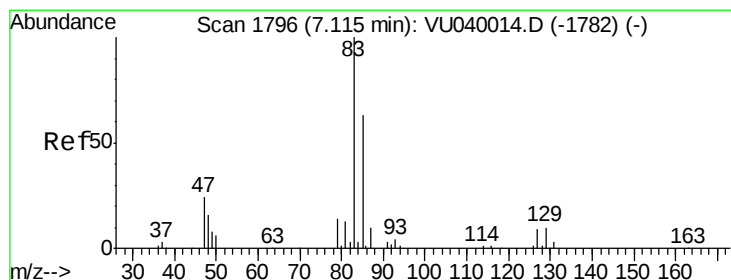
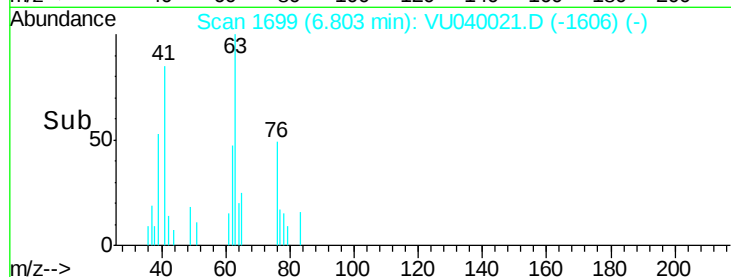
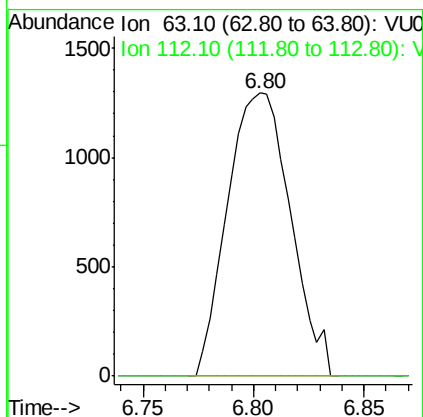
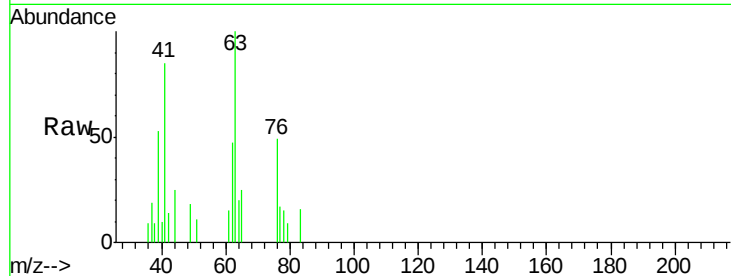
#37
 1,2-Dichloropropane
 Concen: 0.231 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 2571
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#

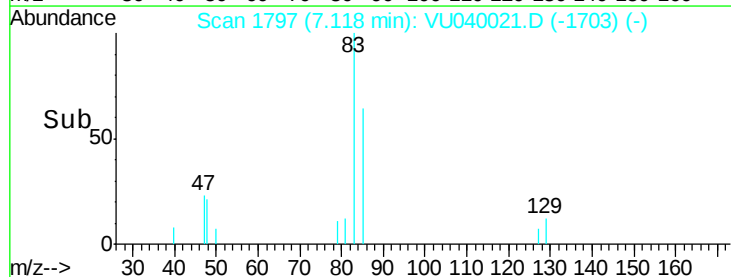
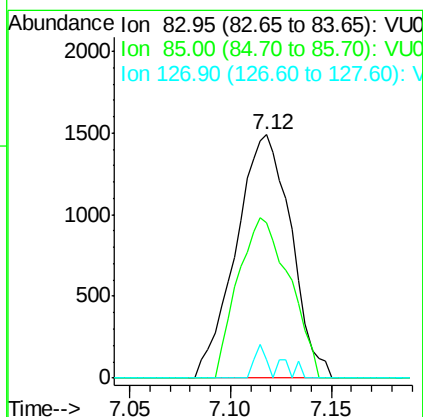
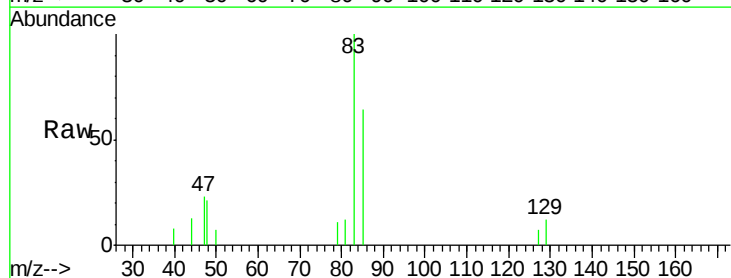
Manual Integrations
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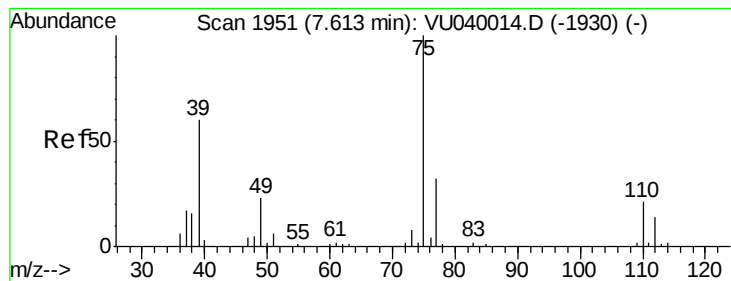
MMDadoda
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#38
 Bromodichloromethane
 Concen: 0.187 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 83 Resp: 2841
 Ion Ratio Lower Upper
 83 100
 85 64.0 45.1 83.9
 127 7.3 6.7 10.1





#39

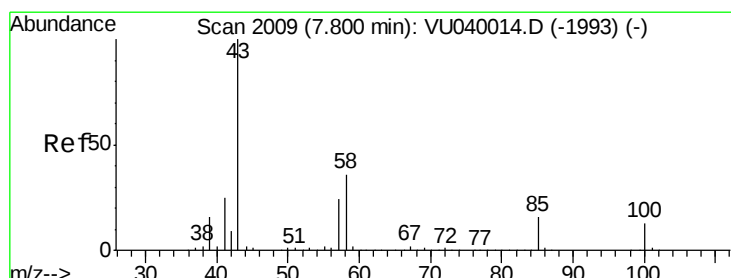
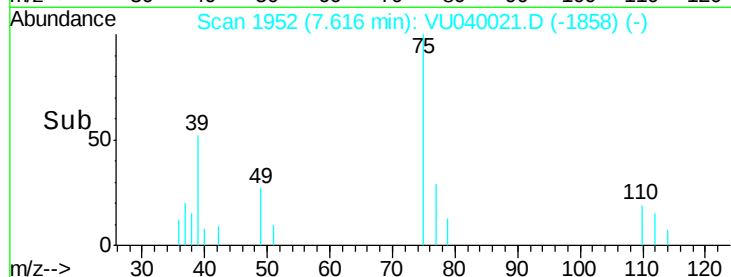
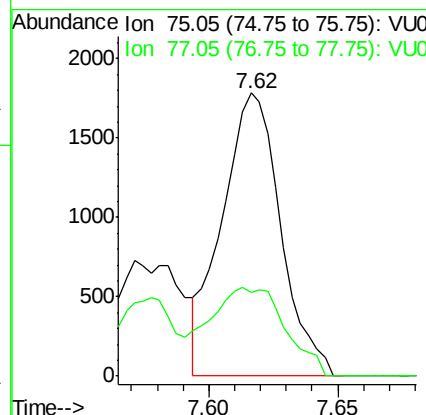
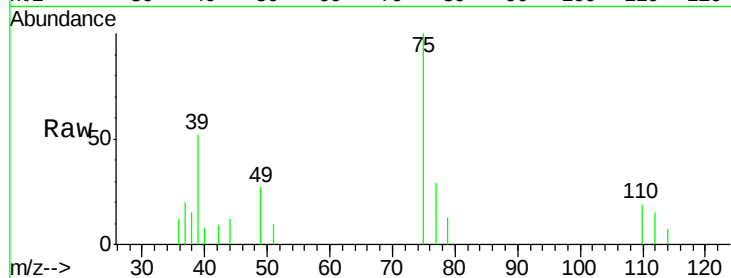
cis-1,3-Dichloropropene
 Concen: 0.172 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	21.1	39.3

Manual Integrations
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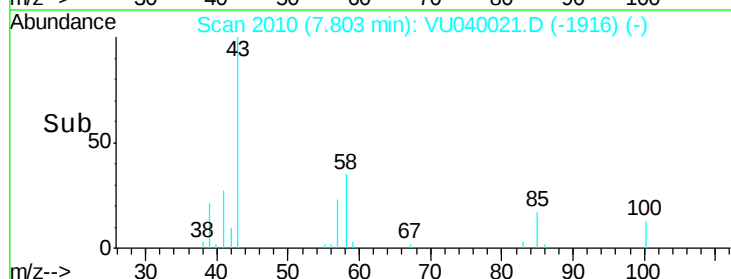
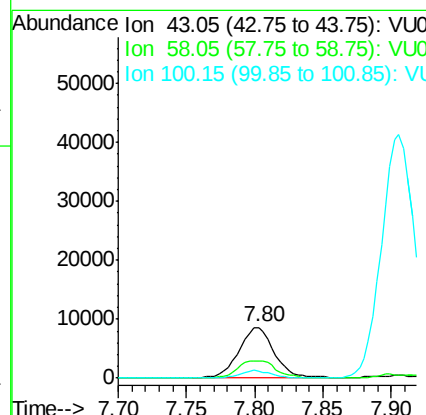
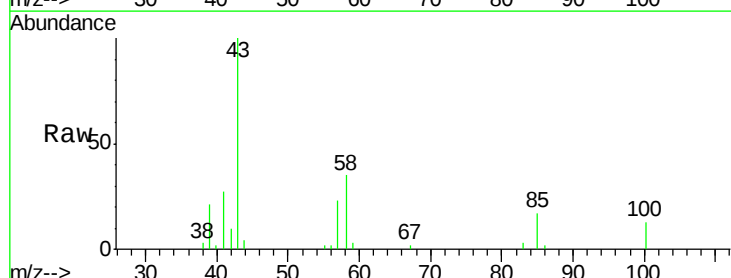
MMDadoda
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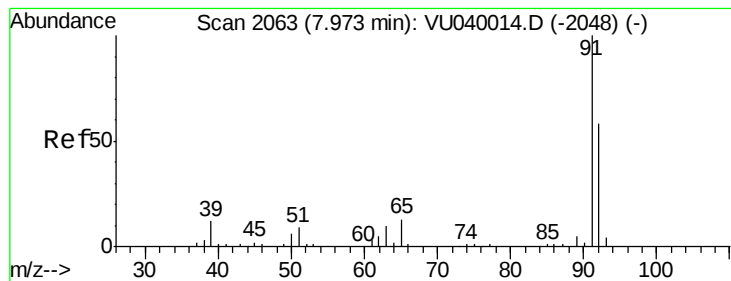


#40

4-Methyl-2-pentanone
 Concen: 1.702 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.5	28.7	43.1
100	0.0	10.2	15.2#





#42

Toluene

Concen: 0.190 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 8033

Ion Ratio Lower Upper

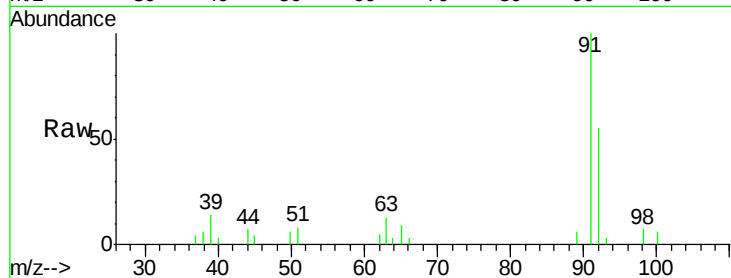
91 100

92 55.4 40.7 75.5

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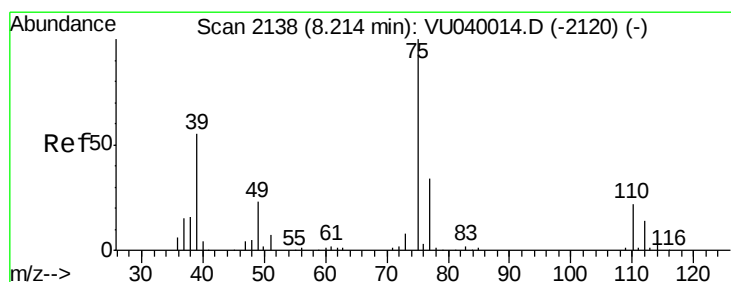
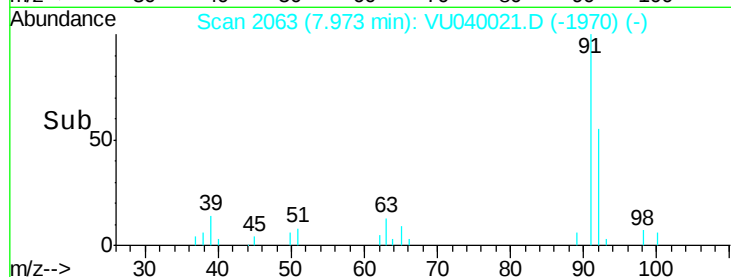
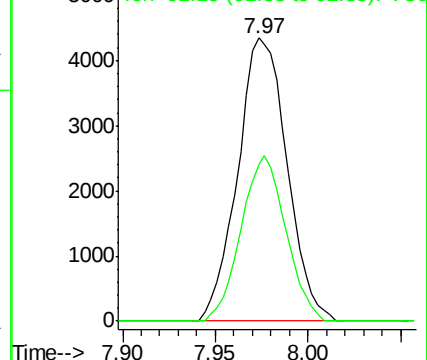
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Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.186 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040021.D

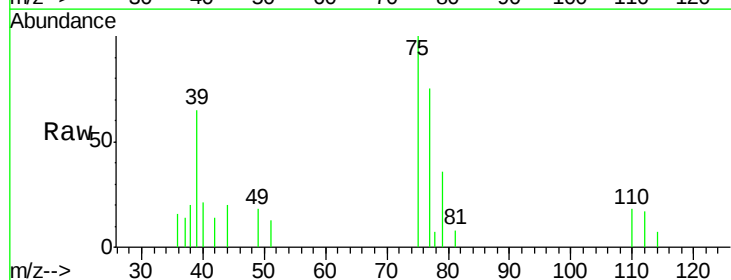
Acq: 02 Sep 2020 12:59

Tgt Ion: 75 Resp: 2826

Ion Ratio Lower Upper

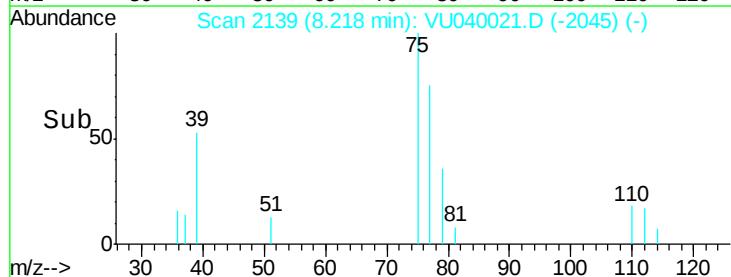
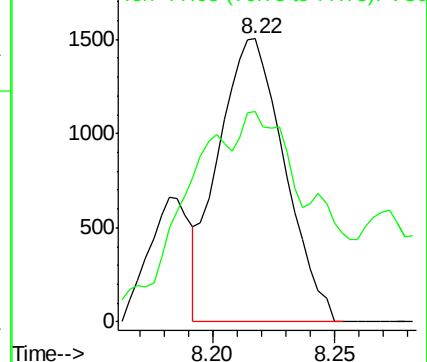
75 100

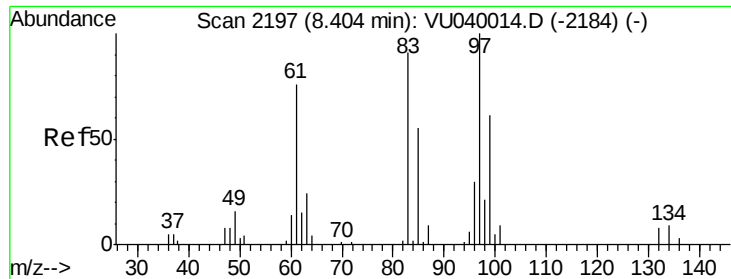
77 74.5 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





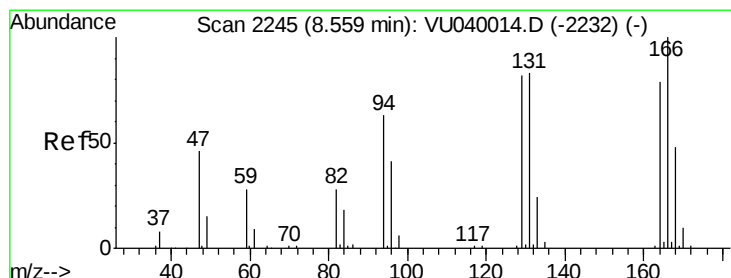
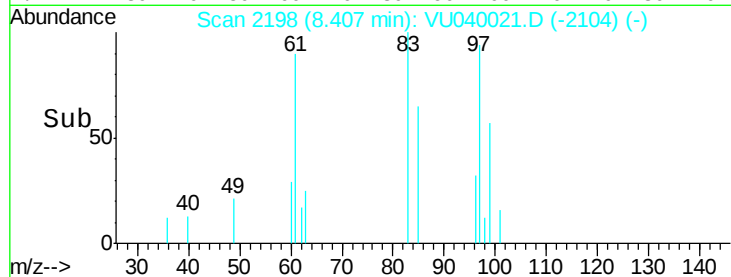
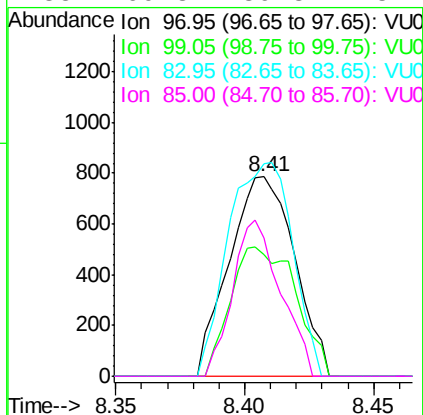
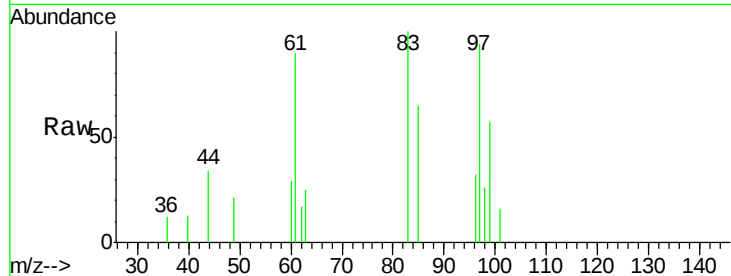
#45
1,1,2-Trichloroethane
Concen: 0.171 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion:	97	Resp:	1389
Ion	Ratio	Lower	Upper
97	100		
99	60.7	43.0	79.8
83	106.2	61.7	114.7
85	69.3	39.3	73.1

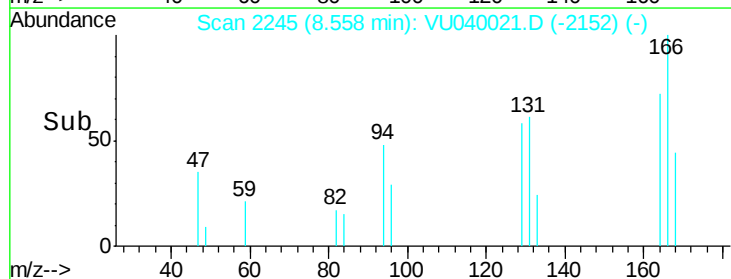
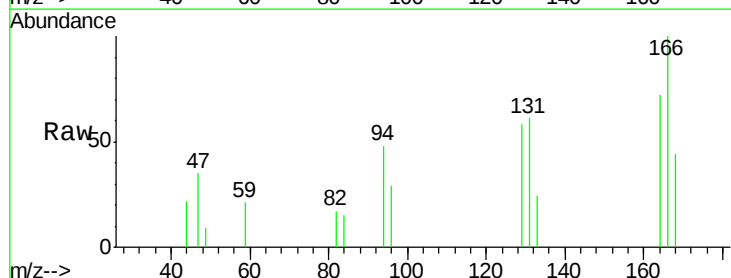
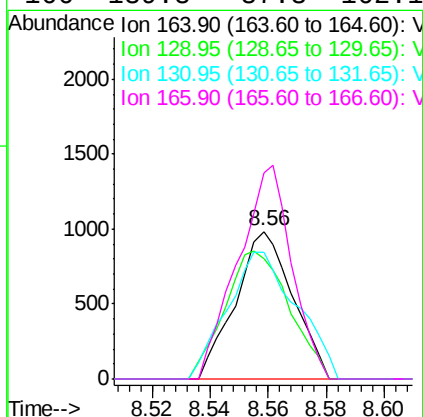
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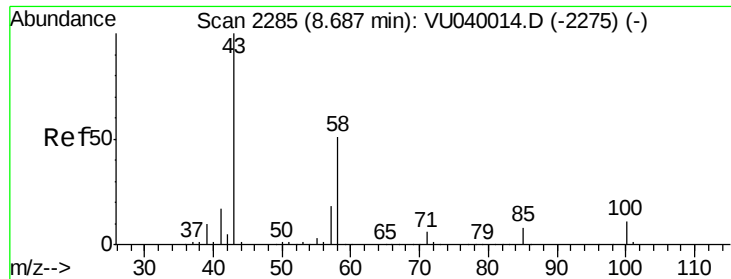
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#47
Tetrachloroethene
Concen: 0.186 ug/L
RT: 8.56 min Scan# 2245
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion:	164	Resp:	1347
Ion	Ratio	Lower	Upper
164	100		
129	81.0	71.5	132.7
131	85.5	65.9	122.5
166	139.8	87.3	162.1





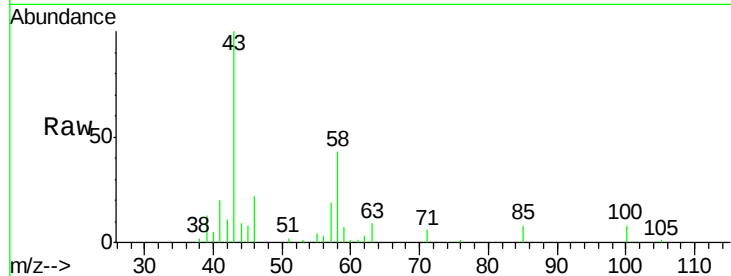
#48
2-Hexanone
Concen: 2.368 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.9	39.6	59.4
57	19.3	14.3	21.5
100	8.5	8.0	12.0

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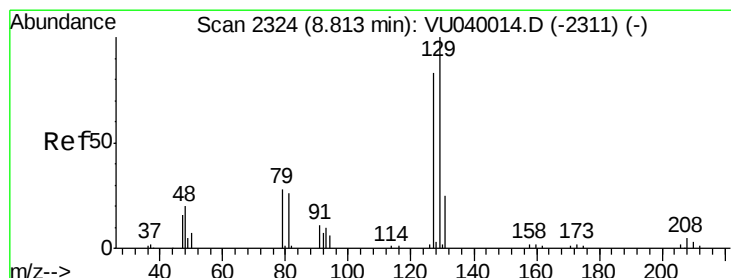
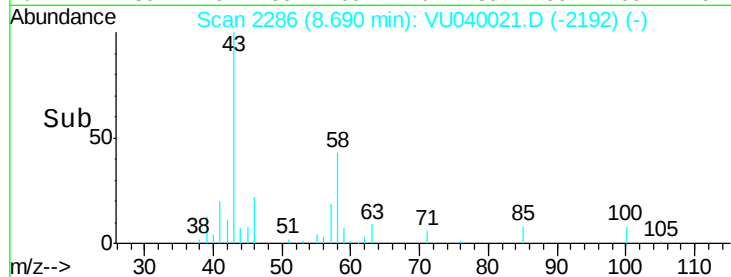
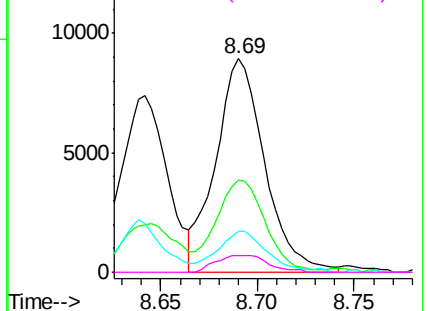


Abundance Ion 43.05 (42.75 to 43.75): VU040021.D (-2192) (-)

Ion 58.05 (57.75 to 58.75): VU040021.D (-2192) (-)

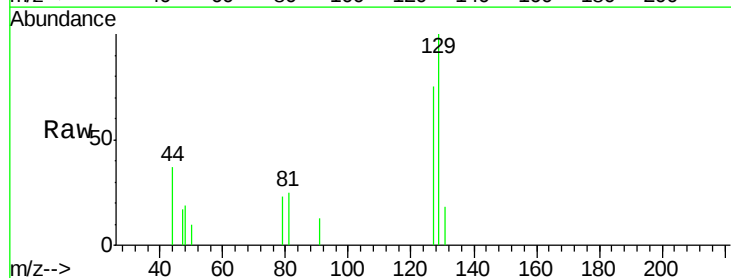
Ion 57.20 (56.90 to 57.90): VU040021.D (-2192) (-)

Ion 100.15 (99.85 to 100.85): VU040021.D (-2192) (-)



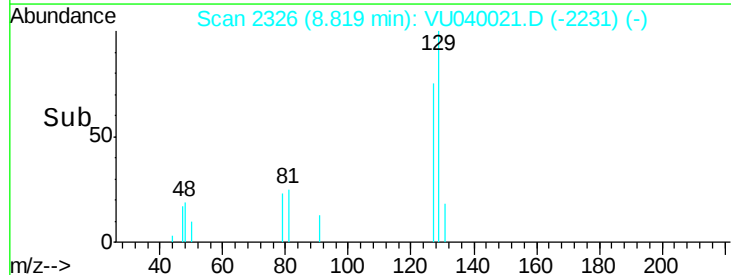
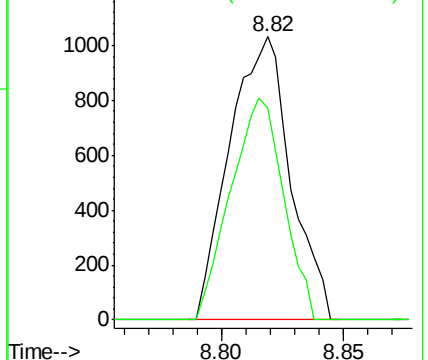
#49
Dibromochloromethane
Concen: 0.184 ug/L
RT: 8.82 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

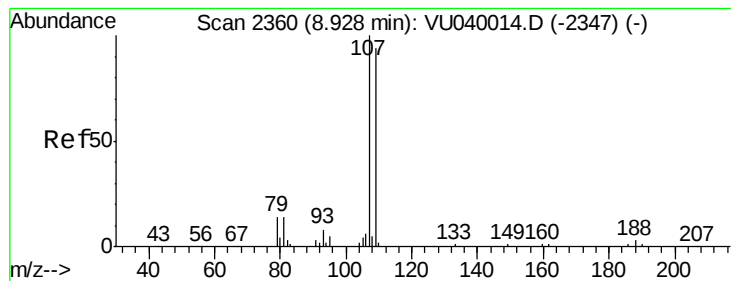
Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.9	53.7	99.7



Abundance Ion 128.95 (128.65 to 129.65): VU040021.D (-2231) (-)

Ion 126.90 (126.60 to 127.60): VU040021.D (-2231) (-)





#50

1,2-Dibromoethane

Concen: 0.200 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

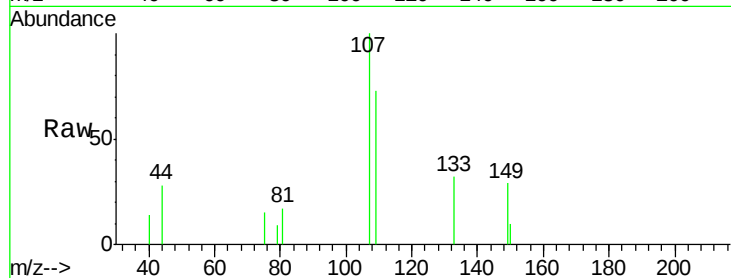
ClientSampled :

MDL06

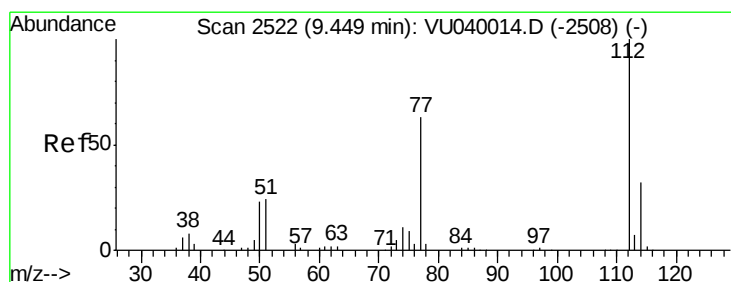
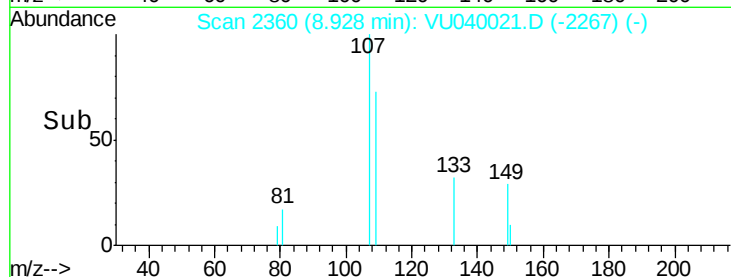
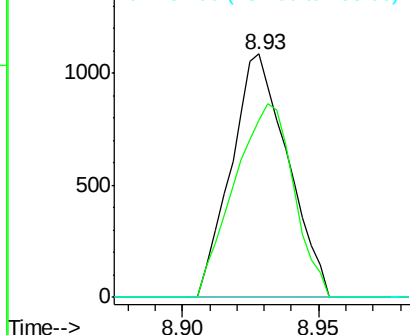
Tot Ion:	107	Resp:	1562
Ion Ratio	Lower	Upper	
107	100		
109	72.7	62.4	115.8
188	0.0	2.3	3.5#

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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: 0.187 ug/L

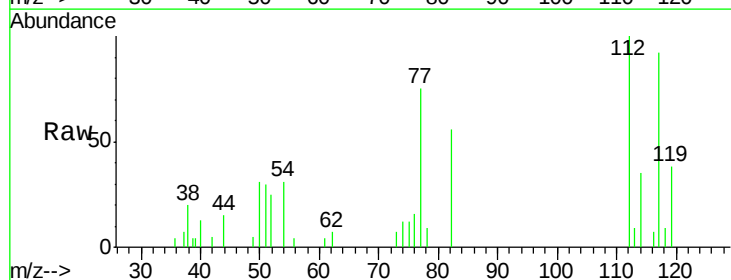
RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

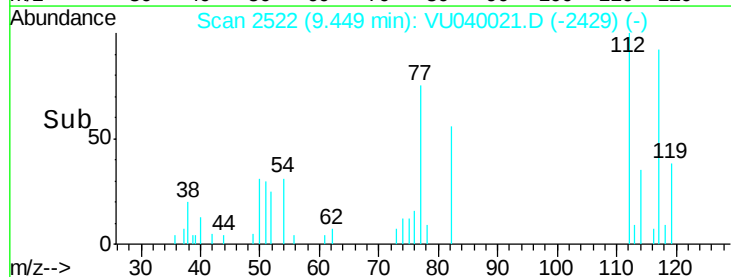
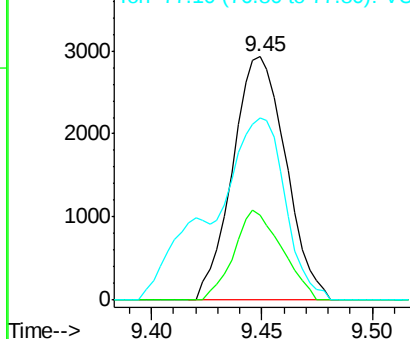
Lab File: VU040021.D

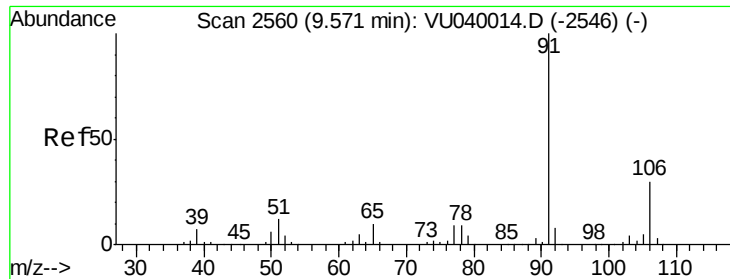
Acq: 02 Sep 2020 12:59

Tgt Ion:	112	Resp:	4911
Ion Ratio	Lower	Upper	
112	100		
114	34.7	22.7	42.3
77	74.7	53.2	79.8



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: 0.173 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 8321

Ion Ratio Lower Upper

91 100

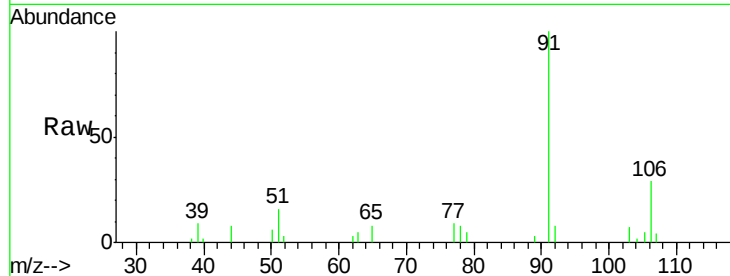
106 29.4 21.0 39.0

Manual Integrations

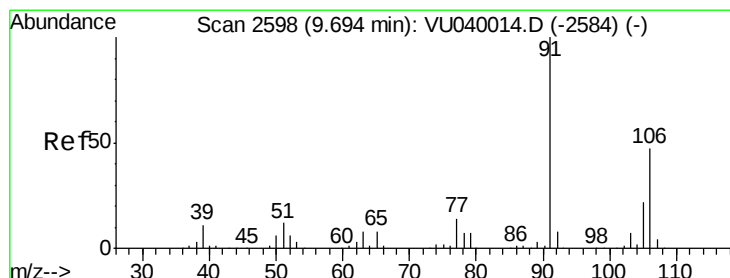
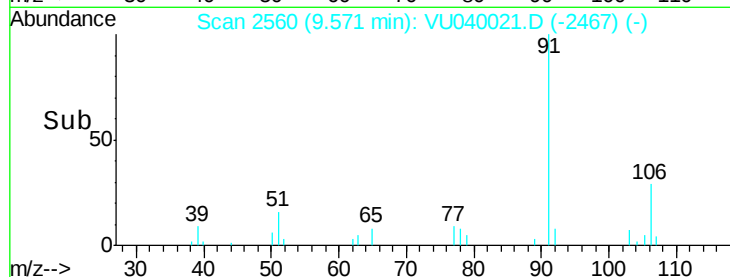
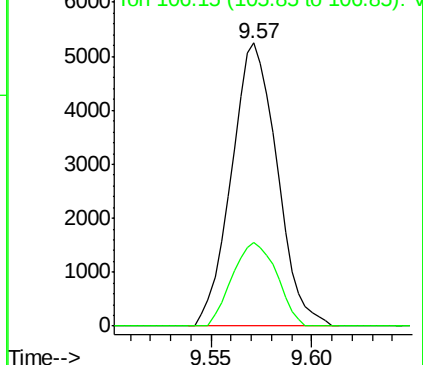
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Abundance Ion 91.15 (90.85 to 91.85): VU040021.D (-2546) (-)



#53

m,p-Xylene

Concen: 0.163 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040021.D

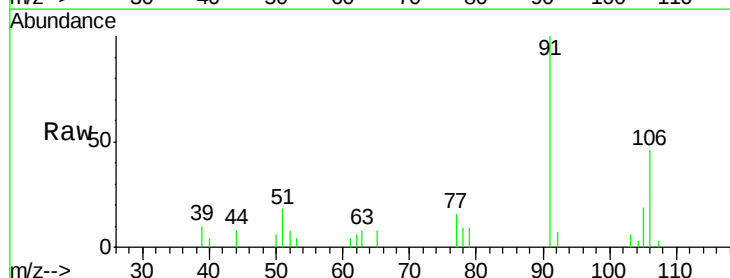
Acq: 02 Sep 2020 12:59

Tgt Ion: 106 Resp: 2799

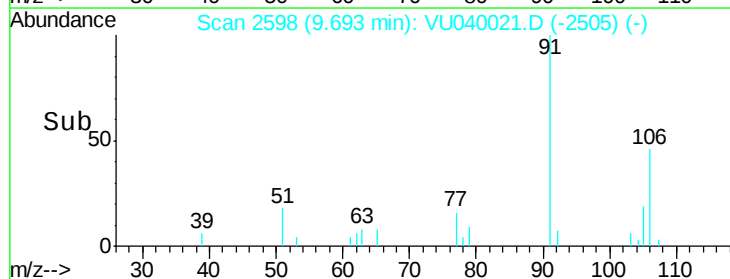
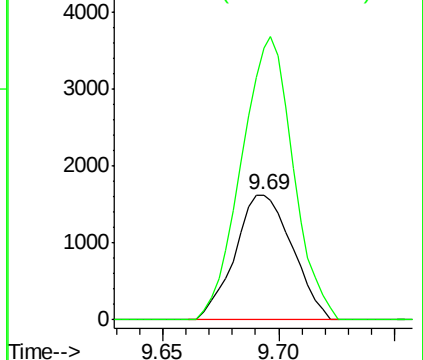
Ion Ratio Lower Upper

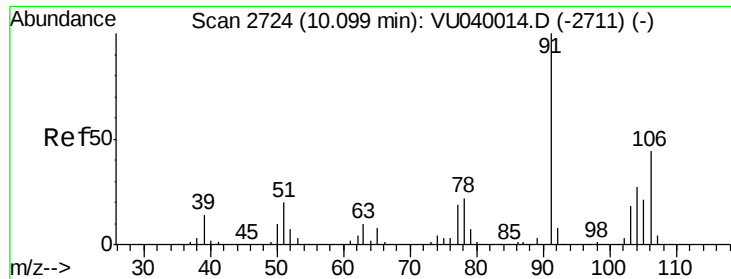
106 100

91 217.5 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040021.D (-2598) (-)





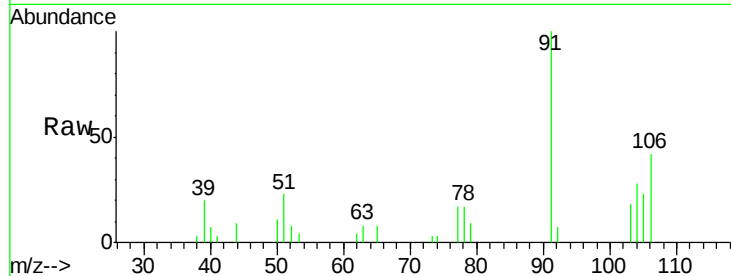
#54
o-Xylene
Concen: 0.142 ug/L
RT: 10.10 min Scan# 2724
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

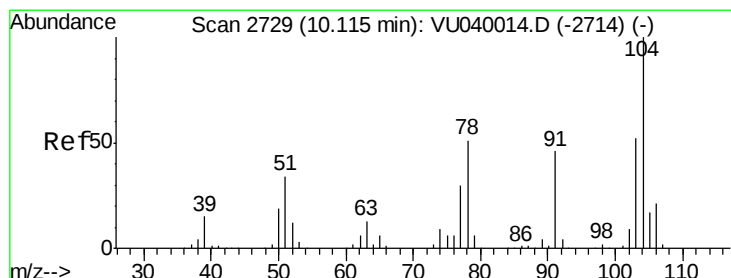
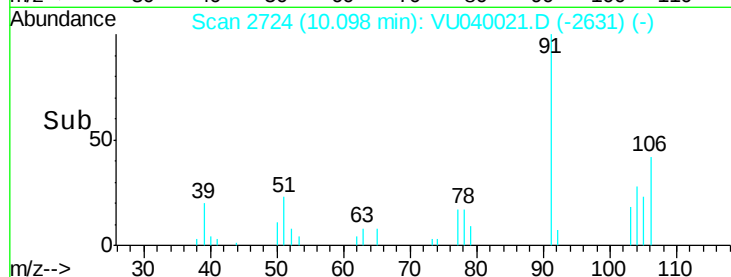
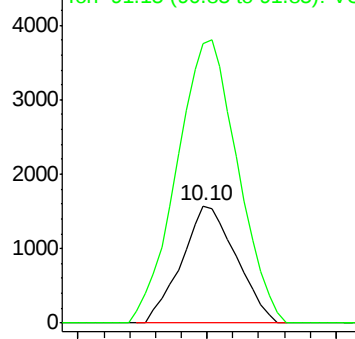
Tot Ion:106 Resp: 2318
Ion Ratio Lower Upper
106 100
91 238.2 160.8 298.6

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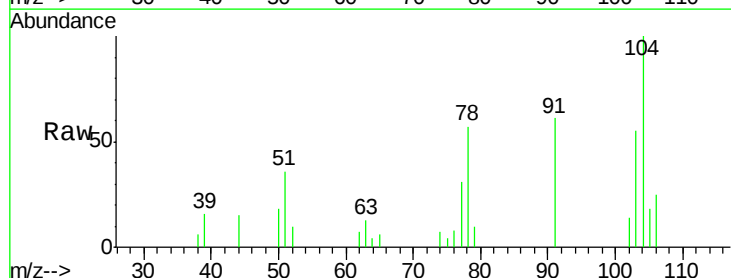


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

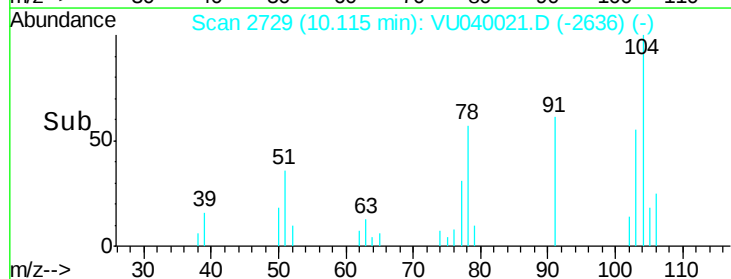
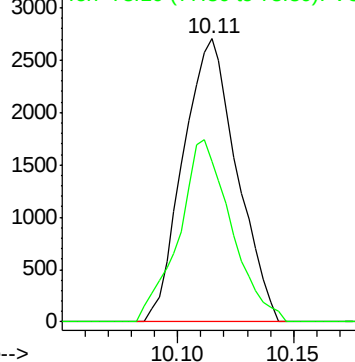


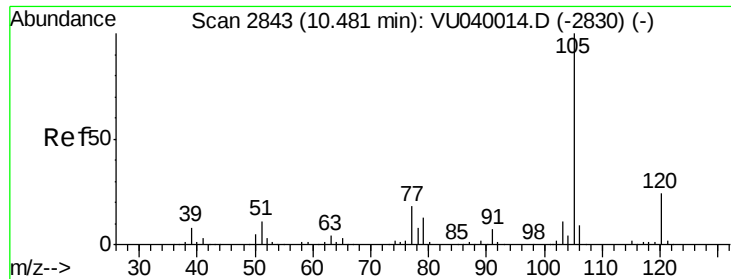
#55
Styrene
Concen: 0.153 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion:104 Resp: 4355
Ion Ratio Lower Upper
104 100
78 56.8 36.8 68.3



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





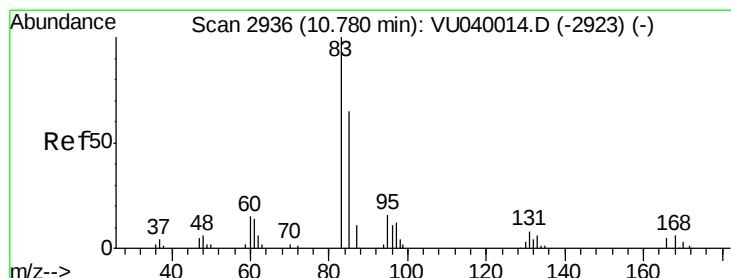
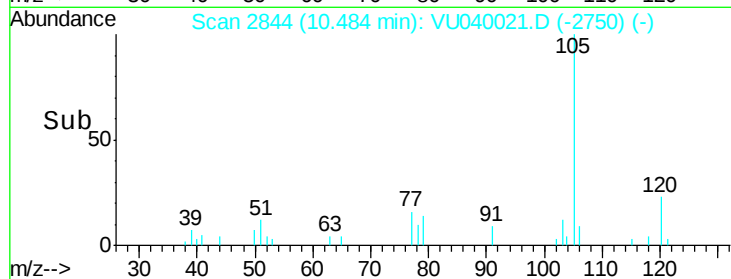
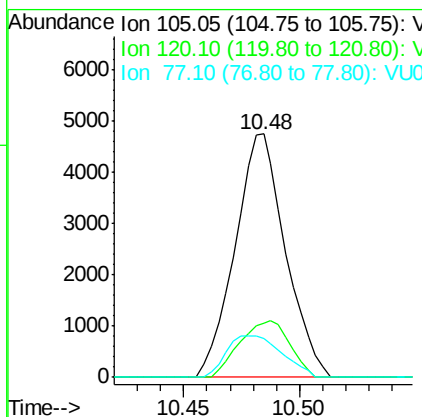
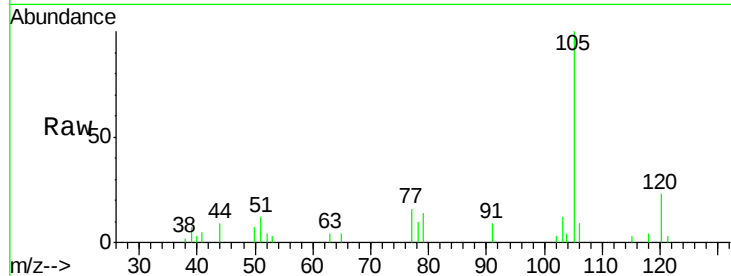
#56
Isopropylbenzene
Concen: 0.160 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
105	100		
120	23.1	20.1	30.1
77	18.8	14.4	21.6

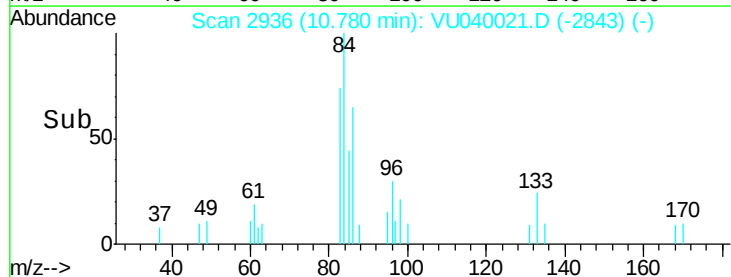
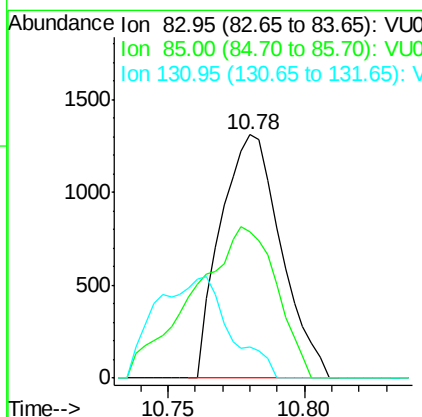
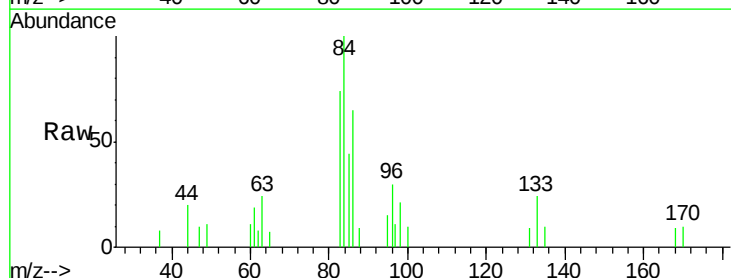
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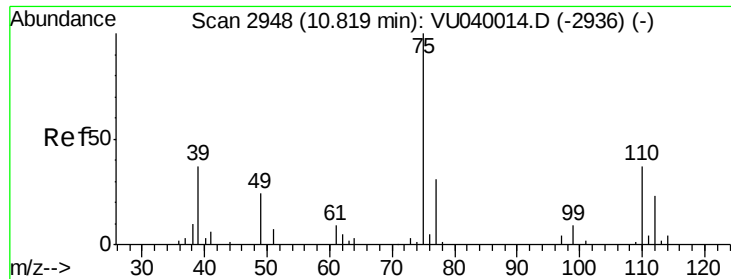
MMDadoda
9/4/2020 2:20:45 PM



#58
1,1,2,2-Tetrachloroethane
Concen: 0.193 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	44.9	83.3
131	12.6	7.4	11.0





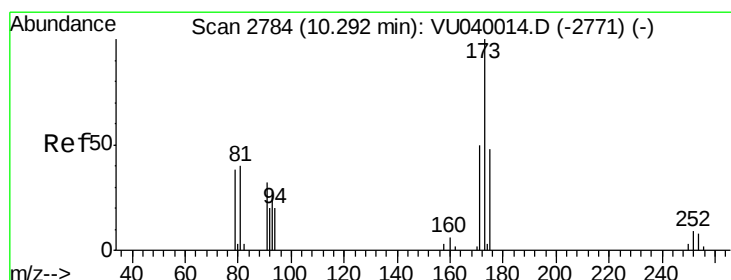
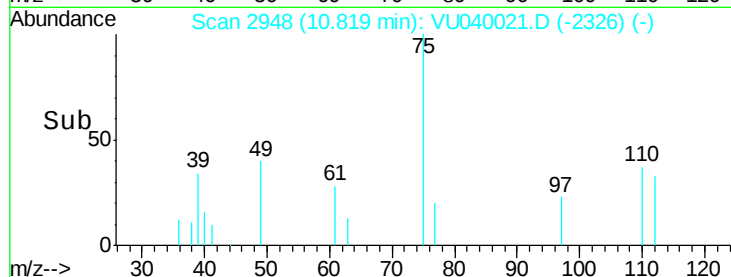
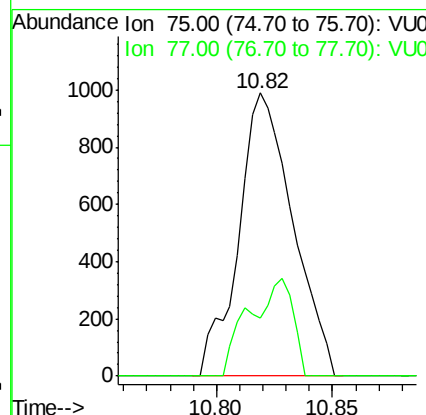
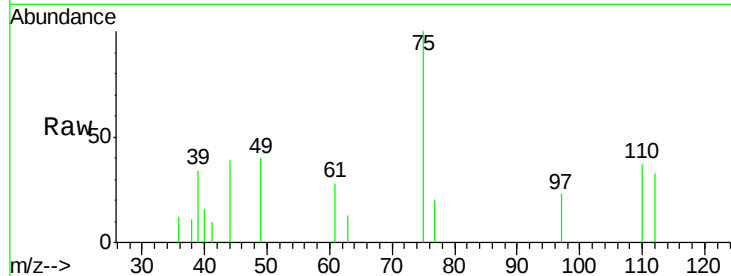
#59
 1,2,3-Trichloropropane
 Concen: 0.195 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion: 75 Resp: 1611
 Ion Ratio Lower Upper
 75 100
 77 27.4 24.9 37.3

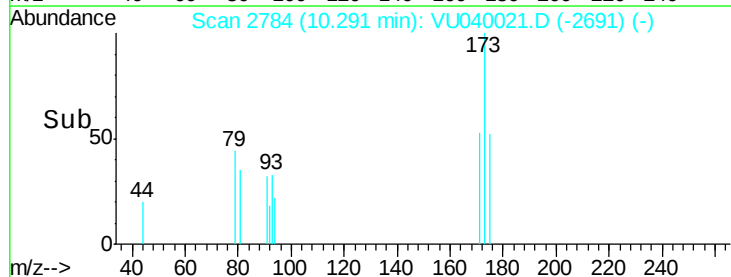
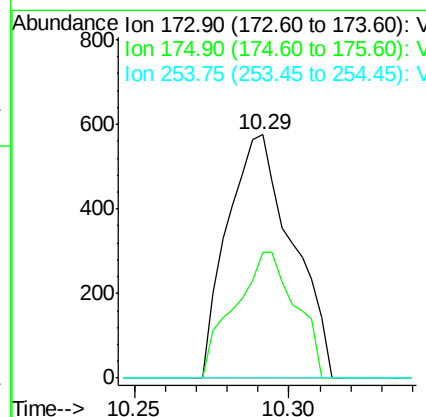
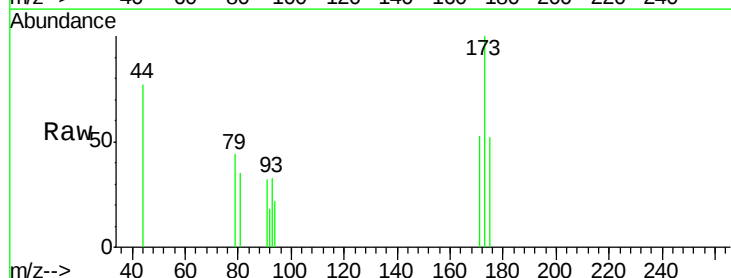
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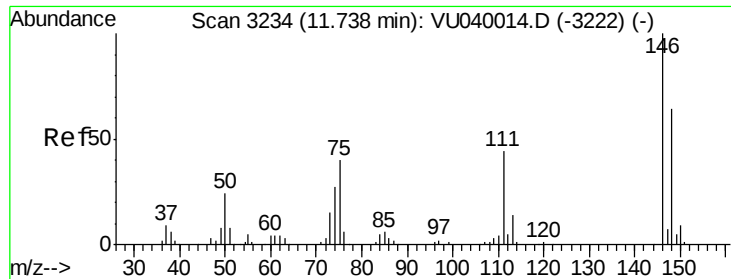
MMDadoda
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#61
 Bromoform
 Concen: 0.175 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion: 173 Resp: 842
 Ion Ratio Lower Upper
 173 100
 175 48.8 37.8 56.6
 254 0.0 6.8 10.2#





#62

1,3-Dichlorobenzene

Concen: 0.171 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

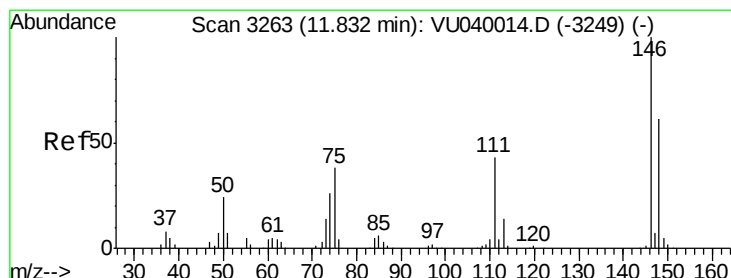
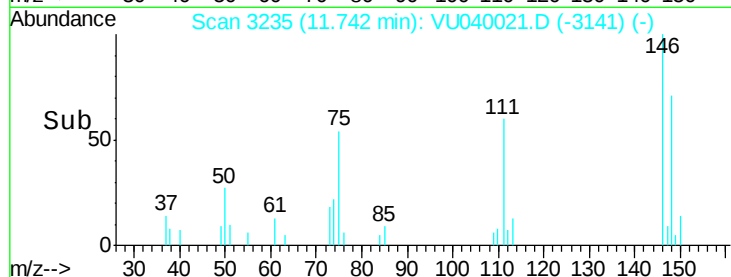
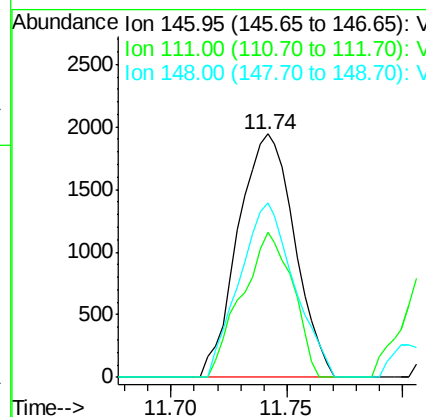
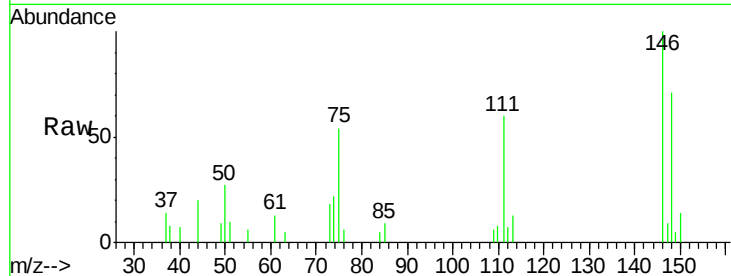
ClientSampled :

MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	59.6	31.6	58.8#
148	71.5	44.2	82.0

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#63

1,4-Dichlorobenzene

Concen: 0.198 ug/L

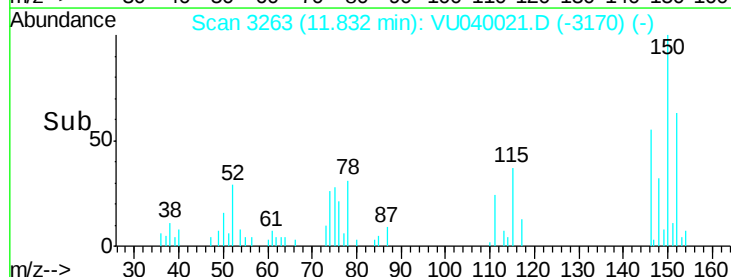
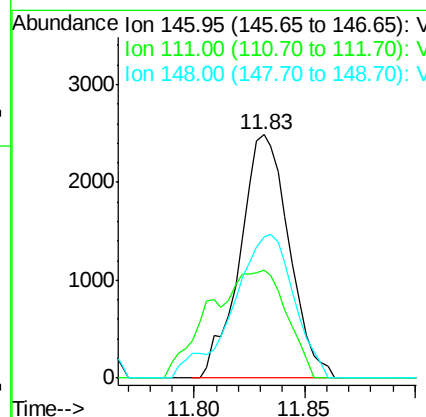
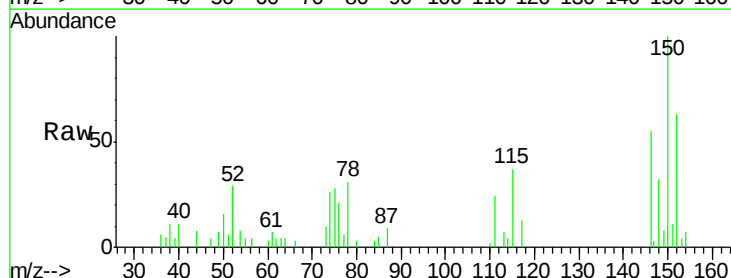
RT: 11.83 min Scan# 3263

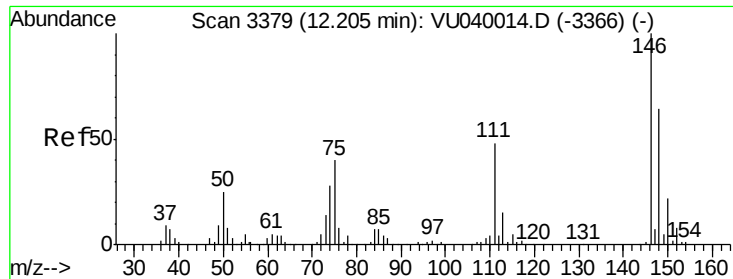
Delta R.T. -0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	30.5	56.7
148	58.0	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 0.222 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Instrument :

MSVOA_U

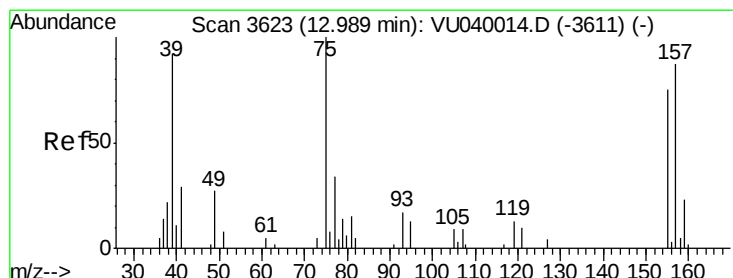
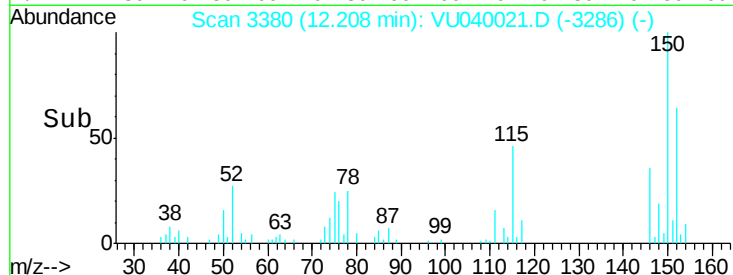
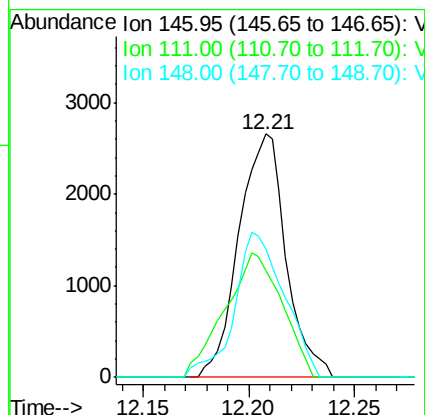
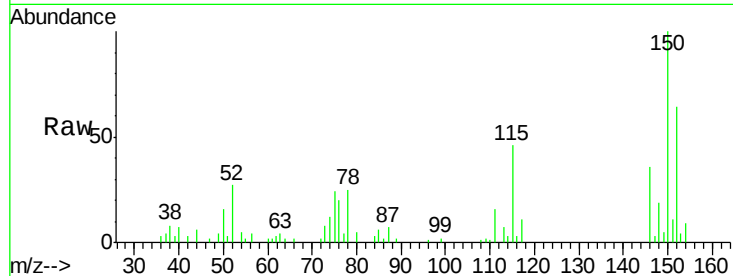
ClientSampleId :

MDL06

Tot Ion:	146	Resp:	4122
Ion Ratio	Lower	Upper	
146	100		
111	43.6	36.5	54.7
148	52.8	48.6	72.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.137 ug/L

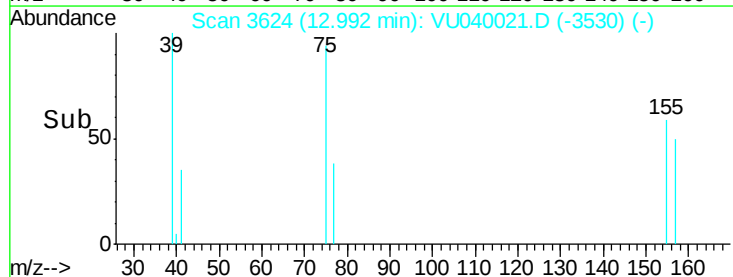
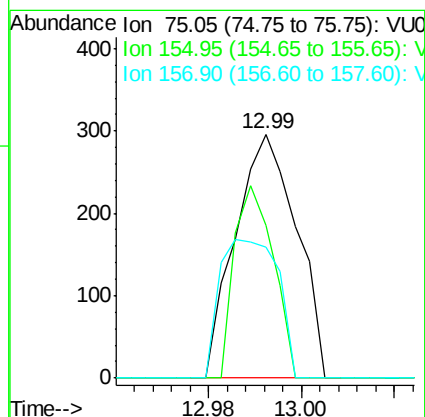
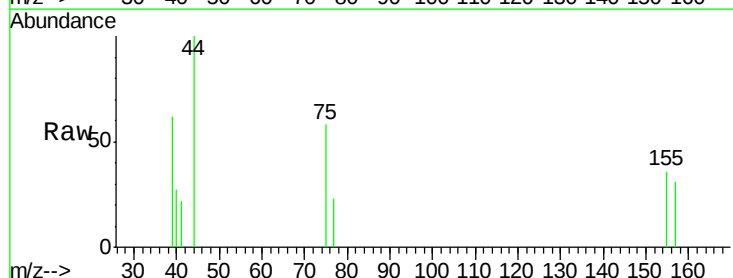
RT: 12.99 min Scan# 3624

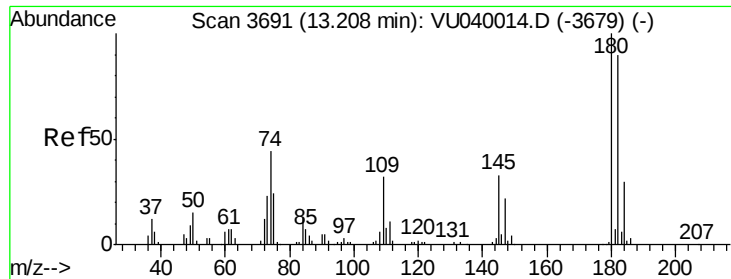
Delta R.T. 0.00 min

Lab File: VU040021.D

Acq: 02 Sep 2020 12:59

Tgt Ion:	75	Resp:	272
Ion Ratio	Lower	Upper	
75	100		
155	62.8	54.6	82.0
157	53.7	75.6	113.4#





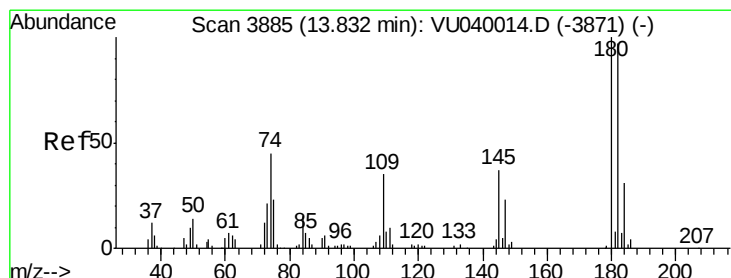
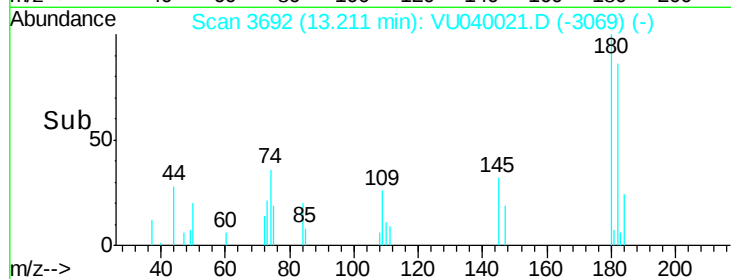
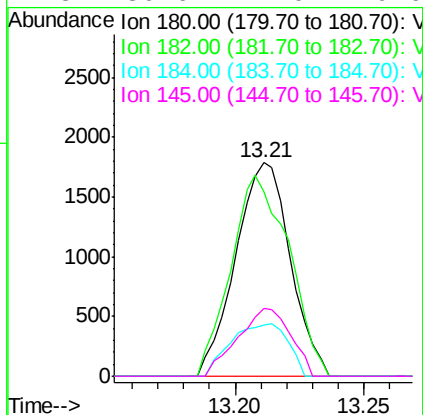
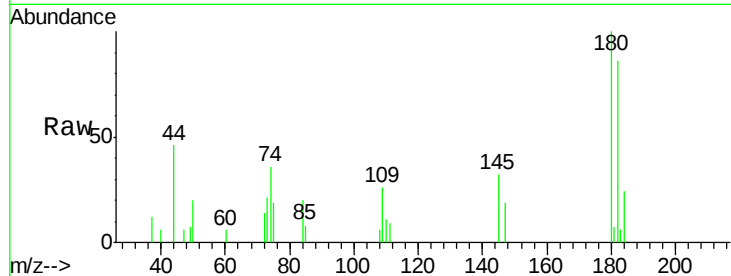
#67
 1,3,5-Trichlorobenzene
 Concen: 0.195 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	180	Resp:	2633
Ion	Ratio	Lower	Upper
180	100		
182	99.9	76.9	115.3
184	25.8	24.6	36.8
145	30.6	27.0	40.6

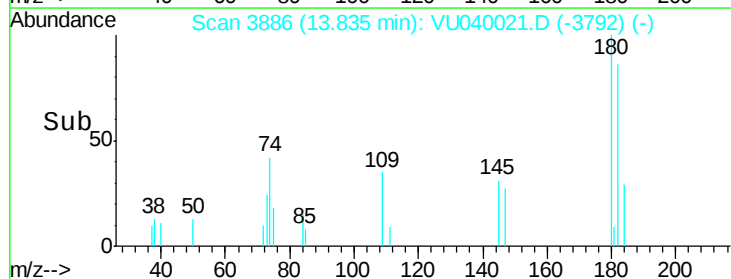
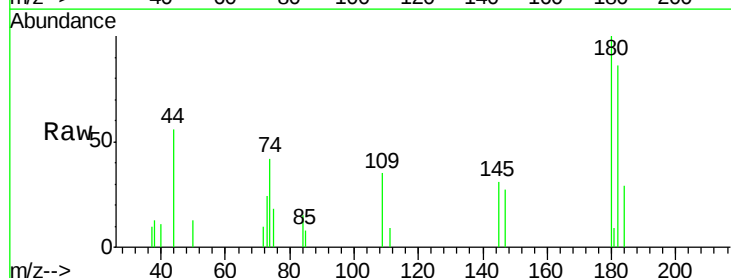
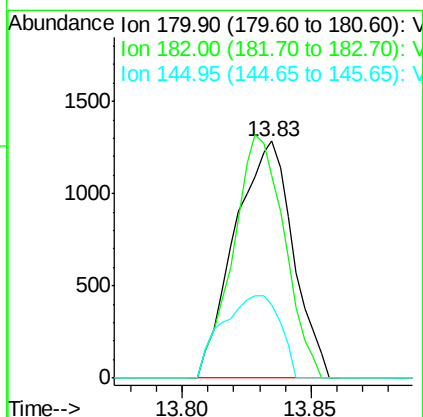
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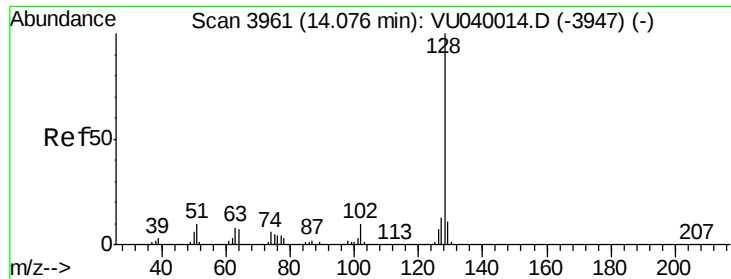
MMDadoda
 9/4/2020 2:20:45 PM



#68
 1,2,4-trichlorobenzene
 Concen: 0.174 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU040021.D
 Acq: 02 Sep 2020 12:59

Tgt Ion:	180	Resp:	2019
Ion	Ratio	Lower	Upper
180	100		
182	89.8	76.0	114.0
145	34.6	28.4	42.6





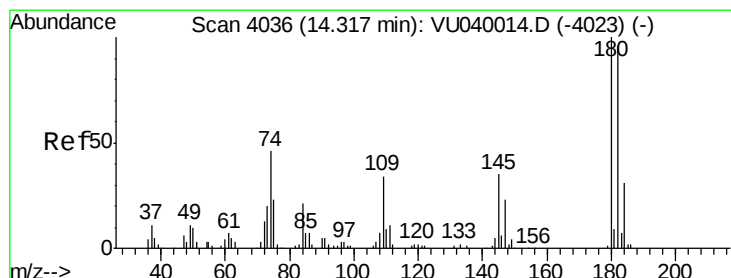
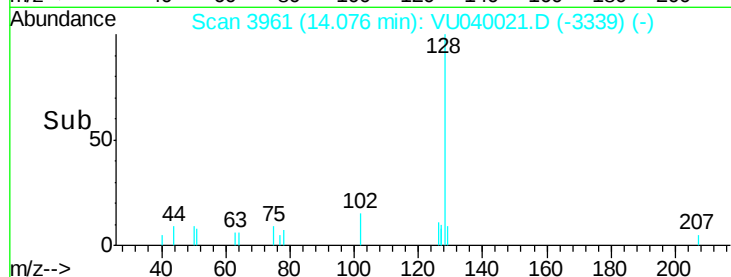
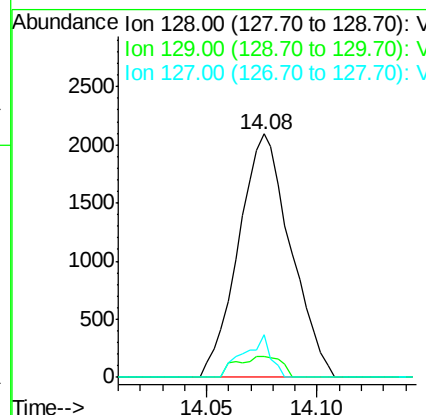
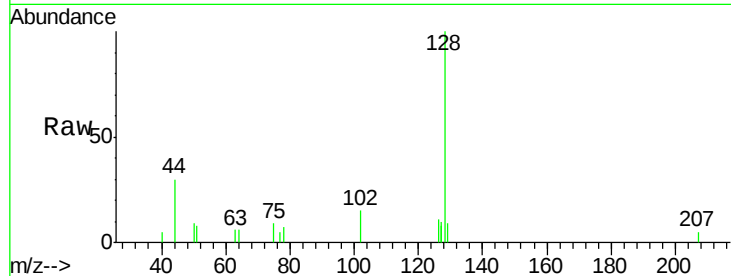
#69
Naphthalene
Concen: 0.142 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Instrument :
MSVOA_U
ClientSampleId :
MDL06

Tot Ion	Ratio	Lower	Upper
128	100		
129	7.5	8.7	13.1#
127	9.1	10.7	16.1#

Manual Integrations
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#70
1,2,3-Trichlorobenzene
Concen: 0.136 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040021.D
Acq: 02 Sep 2020 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	119.1	77.8	116.6#
145	46.0	28.7	43.1#

