

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039641.D
 Acq On : 23 Jul 2020 17:35
 Operator : SY/MD
 Sample : MDL02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

sam
 7/30/2020 2:58:36 AM

Quant Time: Jul 24 03:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 24 02:44:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	191749	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	181392	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85109	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	54730	43.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.68%
7) Chloroethane-d5	1.92	69	66013	44.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.26%
11) 1,1-Dichloroethene-d2	2.58	63	88957	33.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.34%
21) 2-Butanone-d5	4.65	46	138913	96.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.39%
24) Chloroform-d	5.09	84	126277	44.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.96%
26) 1,2-Dichloroethane-d4	5.72	65	91213	45.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.92%
32) Benzene-d6	5.75	84	239144	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
36) 1,2-Dichloropropane-d6	6.70	67	79355	48.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.10%
41) Toluene-d8	7.91	98	220892	46.61	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.22%
43) trans-1,3-Dichloropropene-	8.19	79	38688	46.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.82%
47) 2-Hexanone-d5	8.64	63	85611	95.02	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.02%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	118737	45.40	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.80%
64) 1,2-Dichlorobenzene-d4	12.19	152	87558	47.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.10%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2329	1.783 ug/L	97
3) Chloromethane	1.53	50	2644	1.948 ug/L	97
5) Vinyl chloride	1.61	62	2843	2.062 ug/L #	69
6) Bromomethane	1.86	94	2343	2.261 ug/L	97
8) Chloroethane	1.94	64	2515	2.051 ug/L	98
9) Trichlorofluoromethane	2.15	101	4410	1.810 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2716m	2.316 ug/L	
12) 1,1-Dichloroethene	2.59	96	2910	2.660 ug/L #	1
13) Acetone	2.65	43	3661	3.817 ug/L	91
14) Carbon disulfide	2.81	76	6493	1.855 ug/L #	94
15) Methyl Acetate	2.97	43	3385	1.970 ug/L	100
16) Methylene chloride	3.06	84	2485	1.897 ug/L	92
17) trans-1,2-Dichloroethene	3.37	96	2154	1.770 ug/L	97
18) Methyl tert-butyl Ether	3.38	73	7229	1.838 ug/L #	79
19) 1,1-Dichloroethane	3.90	63	4315	1.817 ug/L	97
20) cis-1,2-Dichloroethene	4.68	96	2638	1.896 ug/L #	63
22) 2-Butanone	4.74	43	5302m	3.923 ug/L	

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 ClientSampleId :
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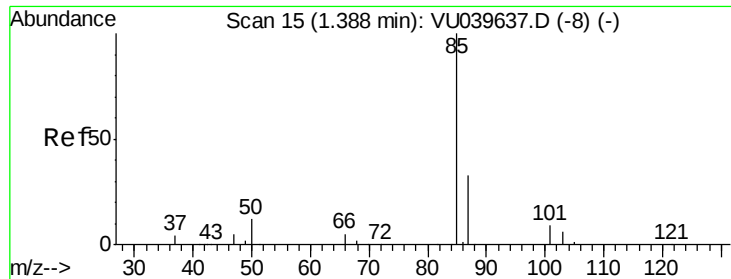
Manual Integrations
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Quant Time: Jul 24 03:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	1425	2.038	ug/L	88
25) Chloroform	5.11	83	8711	3.306	ug/L	98
27) 1,2-Dichloroethane	5.81	62	3907	1.788	ug/L	99
29) Cyclohexane	5.41	56	4017	2.038	ug/L	91
30) 1,1,1-Trichloroethane	5.33	97	4386m	2.020	ug/L	
31) Carbon tetrachloride	5.55	117	3559	1.976	ug/L	97
33) Benzene	5.79	78	10592	2.119	ug/L	100
34) Trichloroethene	6.56	95	2635	1.993	ug/L	96
35) Methylcyclohexane	6.78	83	3347	1.637	ug/L	94
37) 1,2-Dichloropropane	6.81	63	2644	1.953	ug/L #	89
38) Bromodichloromethane	7.12	83	3390	1.886	ug/L	85
39) cis-1,3-Dichloropropene	7.62	75	3891	1.924	ug/L	90
40) 4-Methyl-2-pentanone	7.80	43	9145	3.878	ug/L	98
42) Toluene	7.98	91	10014	1.821	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	3270	1.651	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2773	2.148	ug/L	88
46) Tetrachloroethene	8.56	164	1745	1.745	ug/L	90
48) 2-Hexanone	8.69	43	10704	5.571	ug/L #	96
49) Dibromochloromethane	8.82	129	2514	1.725	ug/L	91
50) 1,2-Dibromoethane	8.93	107	2868	1.997	ug/L #	89
51) Chlorobenzene	9.45	112	6730	1.918	ug/L	88
52) Ethylbenzene	9.57	91	10584	1.742	ug/L	100
53) m,p-Xylene	9.70	106	3770	1.646	ug/L	97
54) o-xylene	10.11	106	3586	1.632	ug/L	82
55) Styrene	10.11	104	5971	1.570	ug/L	97
56) Isopropylbenzene	10.49	105	9917	1.662	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4946	2.102	ug/L #	88
59) 1,2,3-Trichloropropane	10.82	75	3711	1.890	ug/L	96
61) Bromoform	10.29	173	1705	1.694	ug/L #	93
62) 1,3-Dichlorobenzene	11.74	146	4455	1.709	ug/L	89
63) 1,4-Dichlorobenzene	11.83	146	4990	1.911	ug/L #	90
65) 1,2-Dichlorobenzene	12.21	146	5325	2.021	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.99	75	826m	1.567	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3093m	1.645	ug/L	
68) 1,2,4-trichlorobenzene	13.83	180	2510	1.573	ug/L	97
69) Naphthalene	14.08	128	7669	1.602	ug/L #	96
70) 1,2,3-Trichlorobenzene	14.32	180	2708	1.680	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 1.783 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 85 Resp: 2329

Ion Ratio Lower Upper

85 100

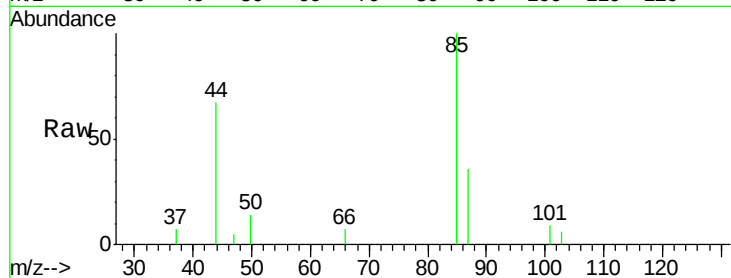
87 34.4 26.2 39.4

Manual Integrations

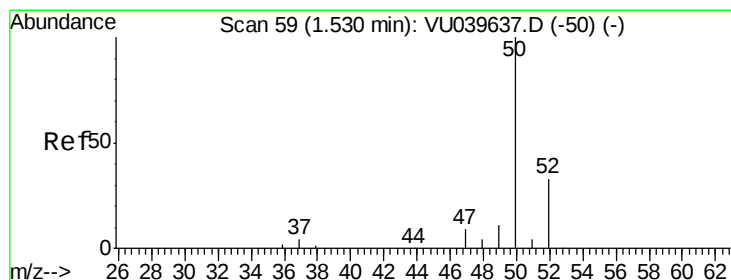
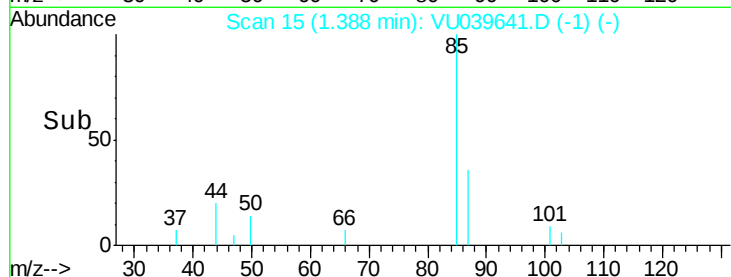
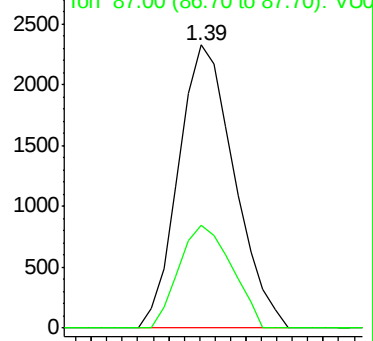
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Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 1.948 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039641.D

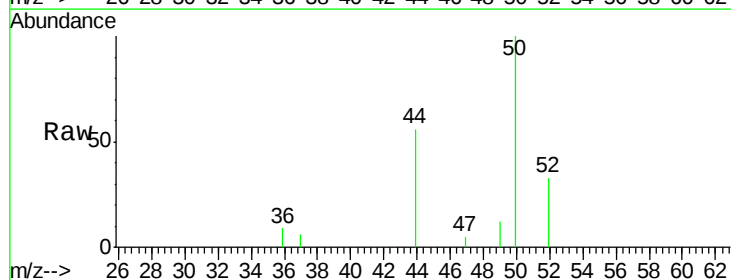
Acq: 23 Jul 2020 17:35

Tgt Ion: 50 Resp: 2644

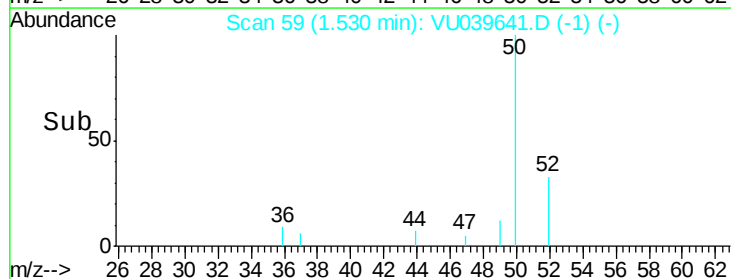
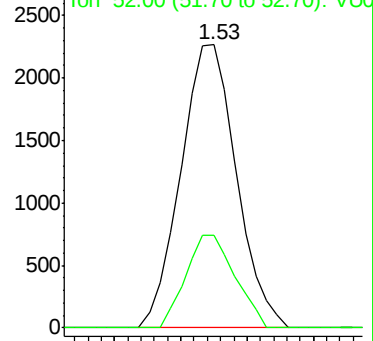
Ion Ratio Lower Upper

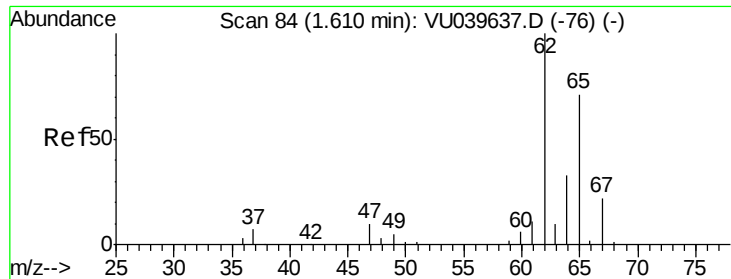
50 100

52 32.8 24.0 44.6



Abundance Ion 50.00 (49.70 to 50.70): VU039637.D (-50) (-)





#5

Vinyl chloride

Concen: 2.062 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 62 Resp: 2843

Ion Ratio Lower Upper

62 100

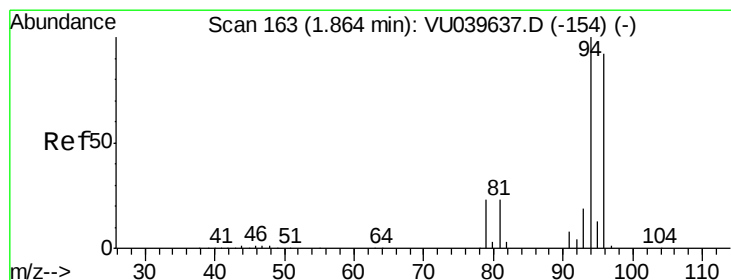
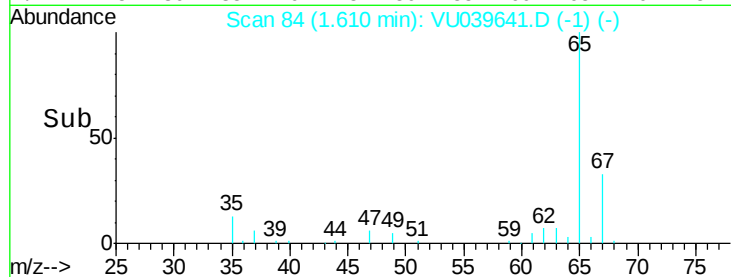
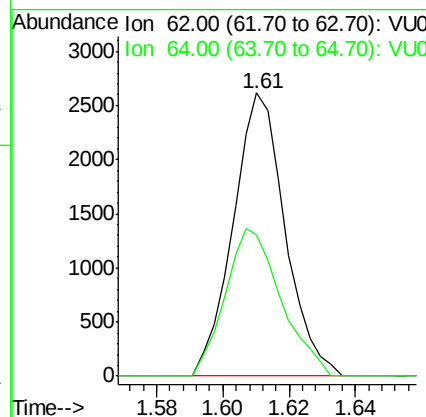
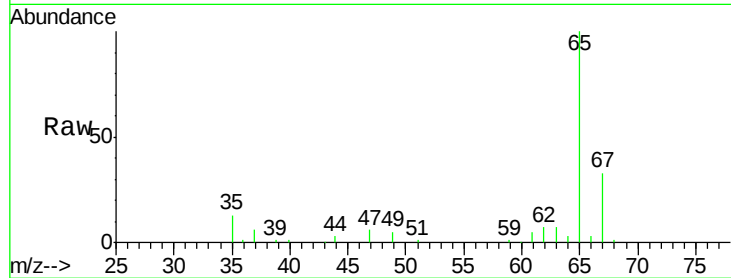
64 49.8 22.8 42.4#

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#6

Bromomethane

Concen: 2.261 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039641.D

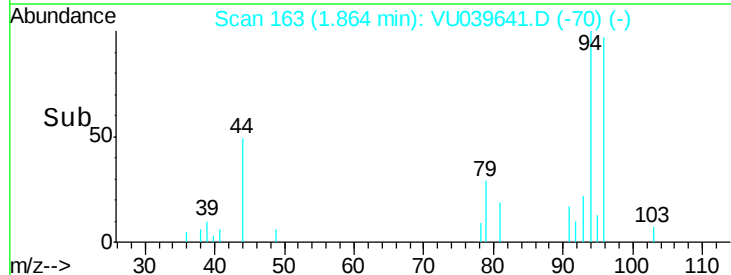
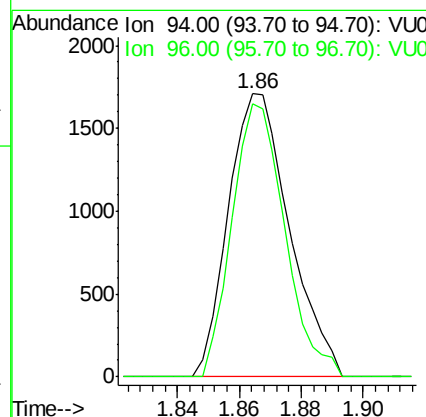
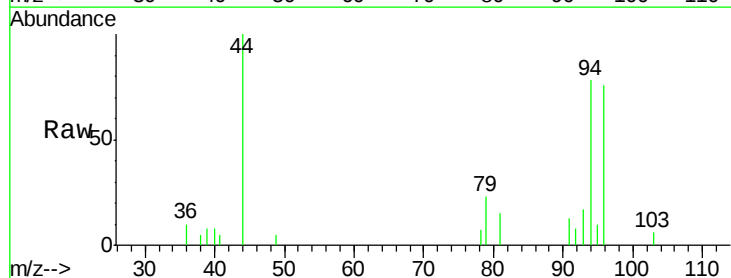
Acq: 23 Jul 2020 17:35

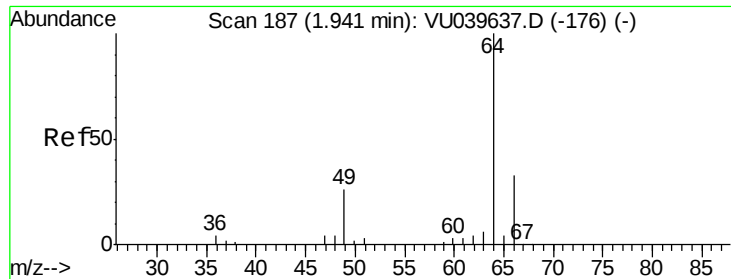
Tgt Ion: 94 Resp: 2343

Ion Ratio Lower Upper

94 100

96 96.5 65.7 122.1





#8

Chloroethane

Concen: 2.051 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 2515

Ion Ratio Lower Upper

64 100

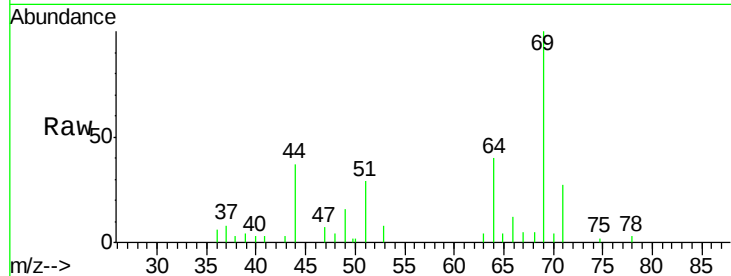
66 31.3 22.7 42.1

Manual Integrations

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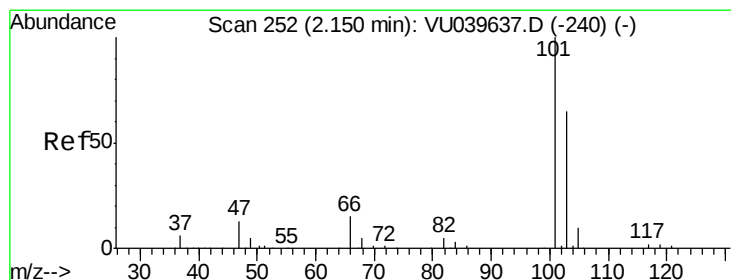
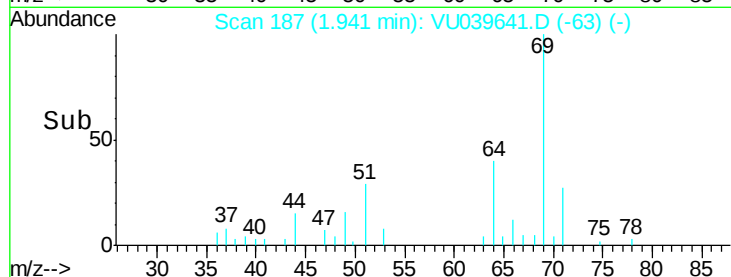
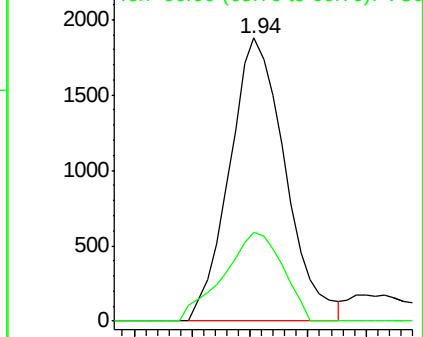
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Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#9

Trichlorofluoromethane

Concen: 1.810 ug/L

RT: 2.15 min Scan# 252

Delta R.T. -0.00 min

Lab File: VU039641.D

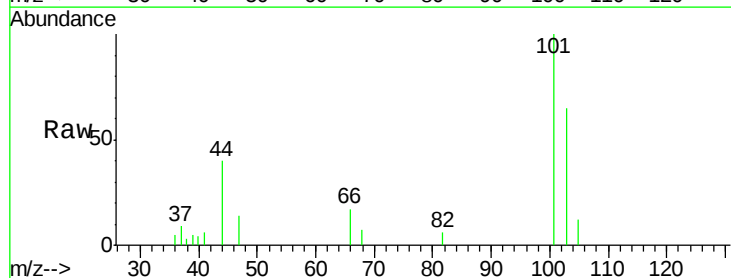
Acq: 23 Jul 2020 17:35

Tgt Ion: 101 Resp: 4410

Ion Ratio Lower Upper

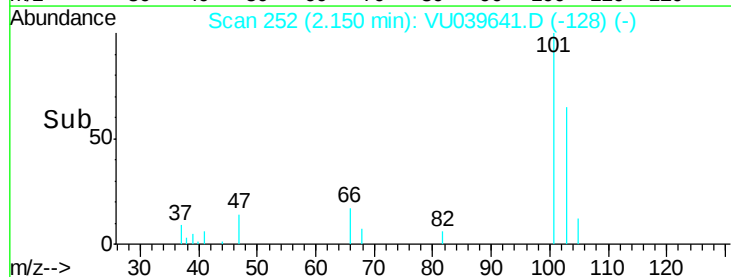
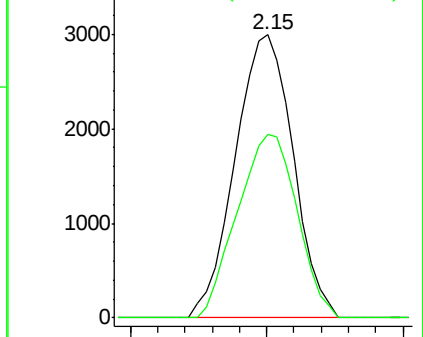
101 100

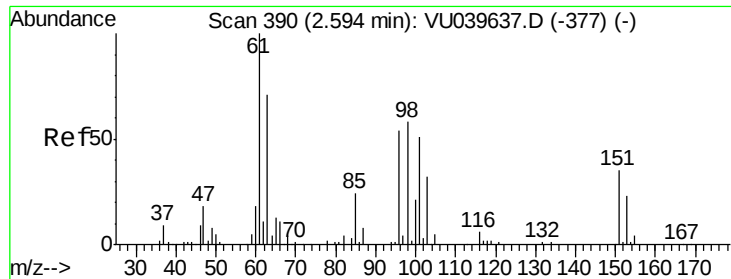
103 67.0 52.8 79.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 2.316 ug/L m

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

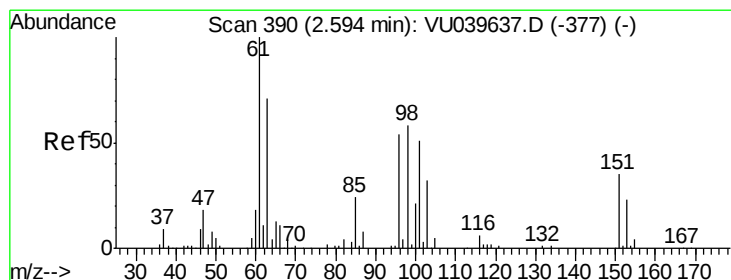
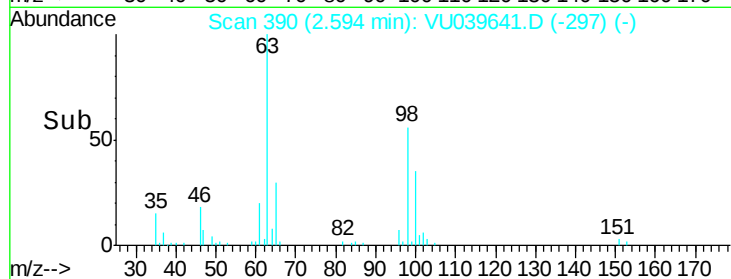
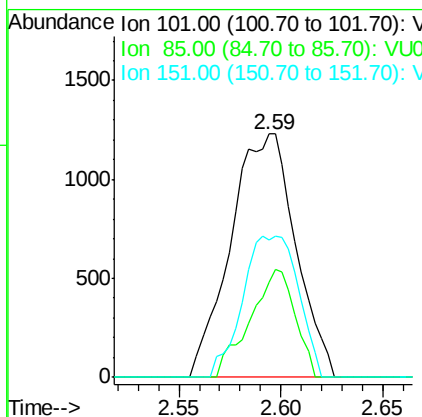
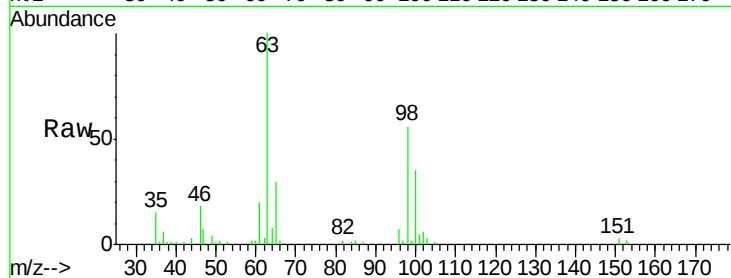
ClientSampled :

MDL02

Tot Ion:	101	Resp:	2716
Ion Ratio	Lower	Upper	
101	100		
85	30.8	39.7	59.5#
151	25.9	57.4	86.2#

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#12

1,1-Dichloroethene

Concen: 2.660 ug/L

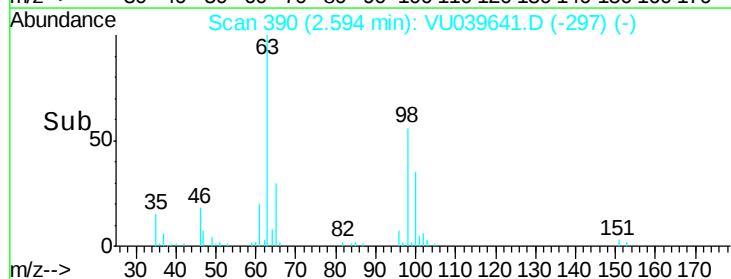
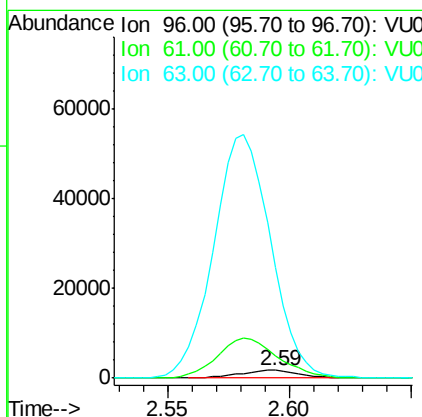
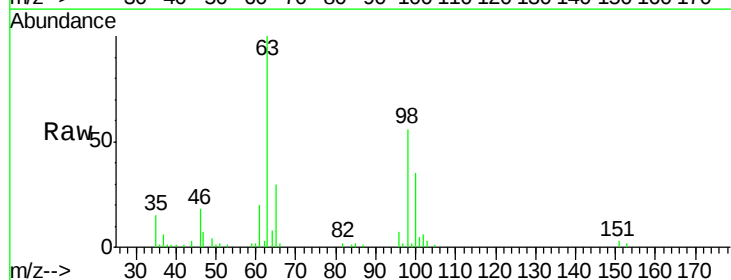
RT: 2.59 min Scan# 390

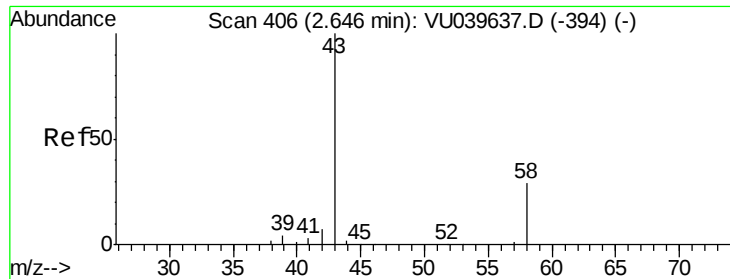
Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion:	96	Resp:	2910
Ion Ratio	Lower	Upper	
96	100		
61	291.7	136.6	253.6#
63	1448.4	97.2	180.6#





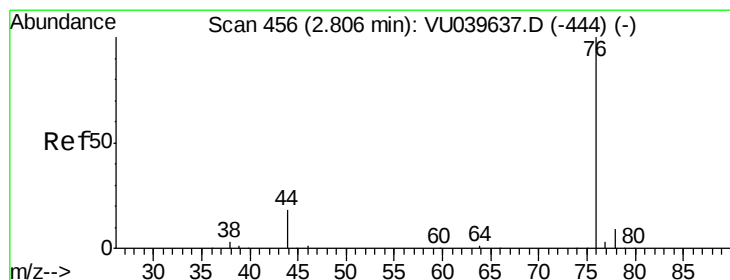
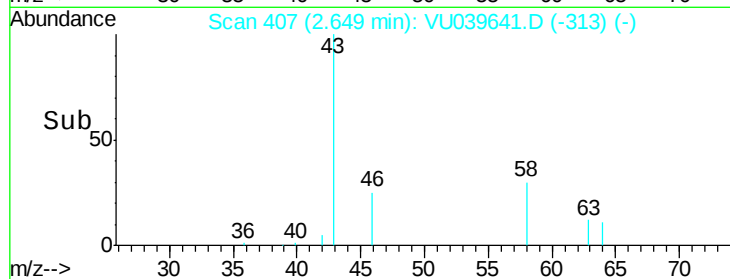
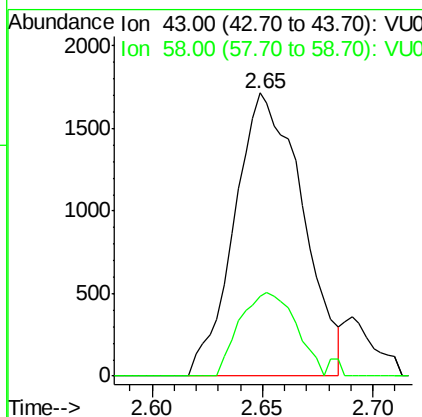
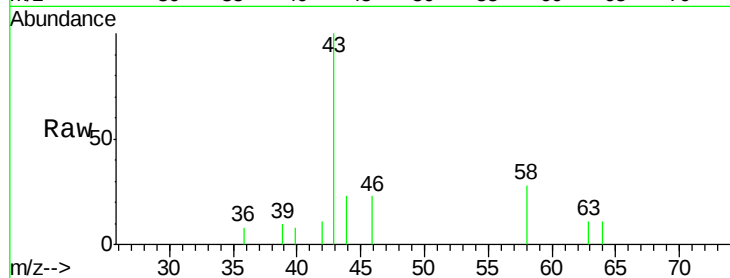
#13
Acetone
Concen: 3.817 ug/L
RT: 2.65 min Scan# 407
Delta R.T. 0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 3661
Ion Ratio Lower Upper
43 100
58 24.6 0.0 59.4

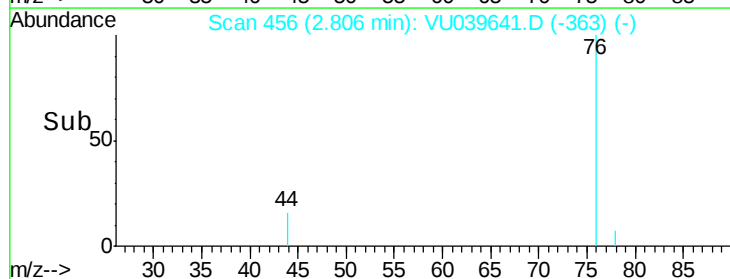
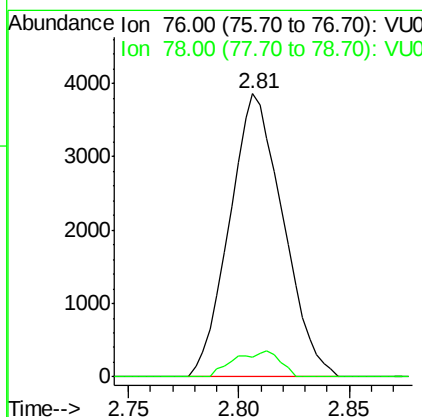
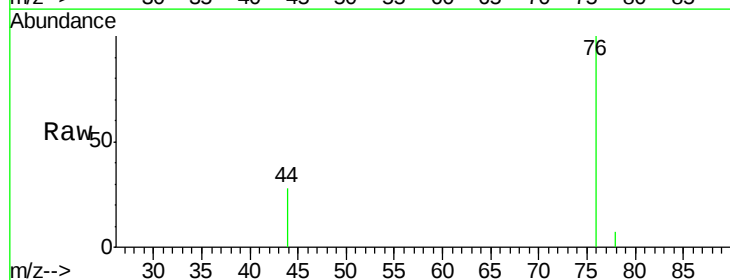
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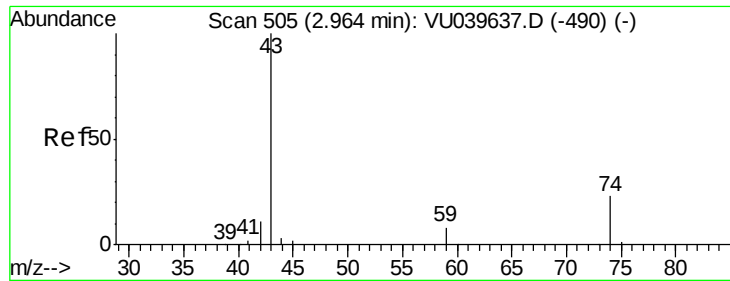
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#14
Carbon disulfide
Concen: 1.855 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 76 Resp: 6493
Ion Ratio Lower Upper
76 100
78 7.1 7.3 10.9#





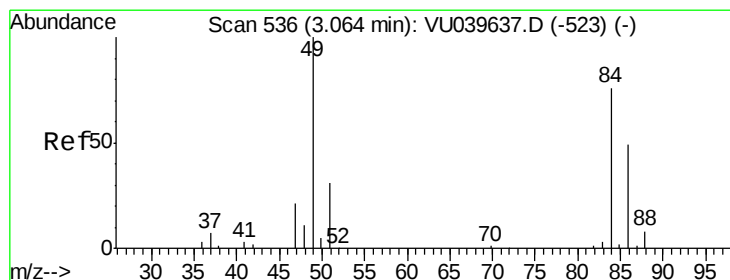
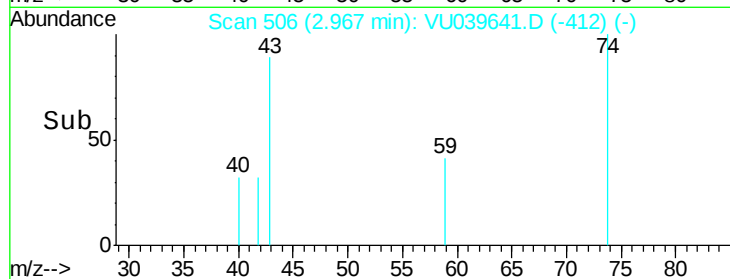
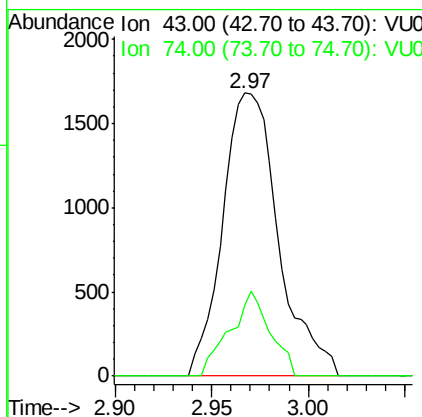
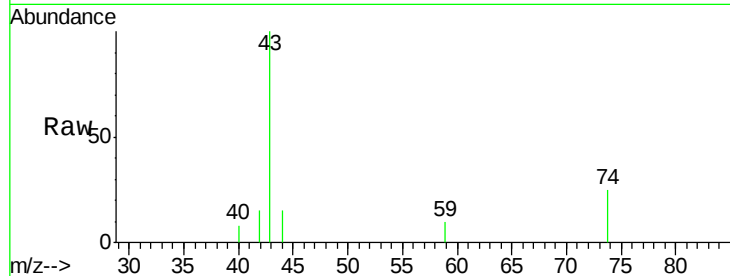
#15
Methyl Acetate
Concen: 1.970 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion: 43 Resp: 3385
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.0

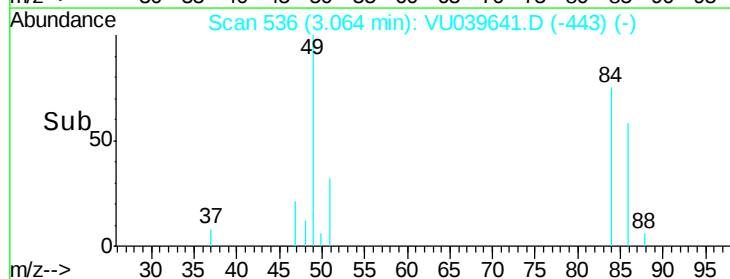
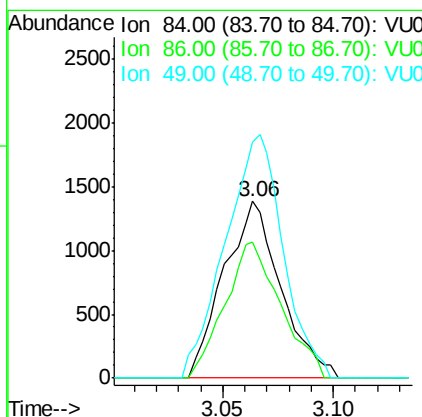
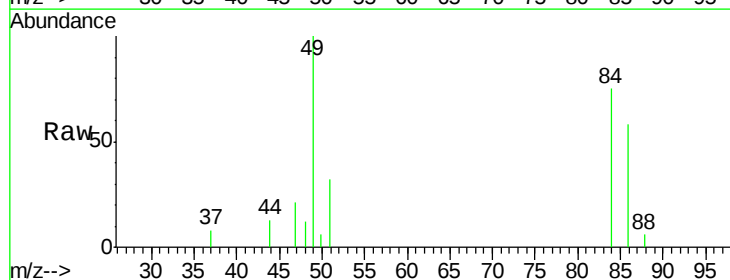
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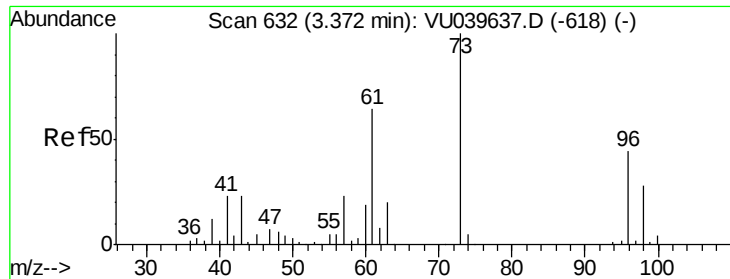
sam
7/30/2020 2:58:36 AM



#16
Methylene chloride
Concen: 1.897 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 84 Resp: 2485
Ion Ratio Lower Upper
84 100
86 77.3 46.2 85.8
49 133.7 97.3 180.7





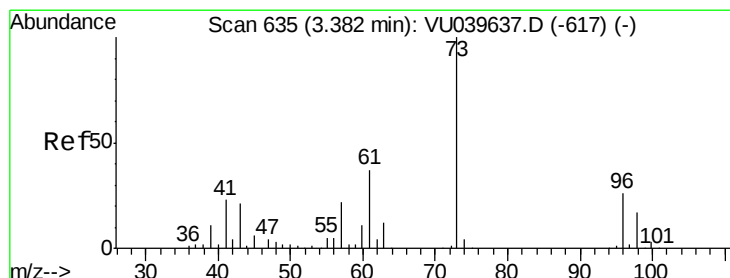
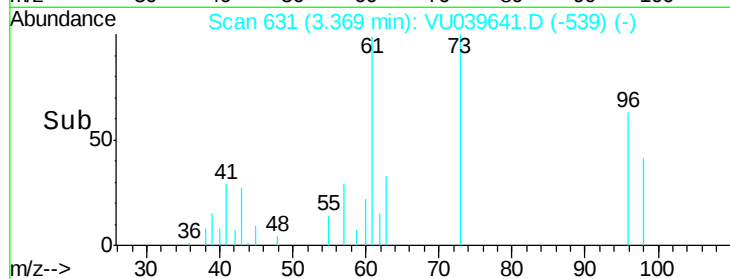
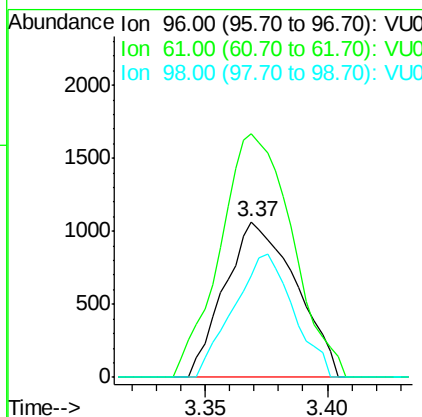
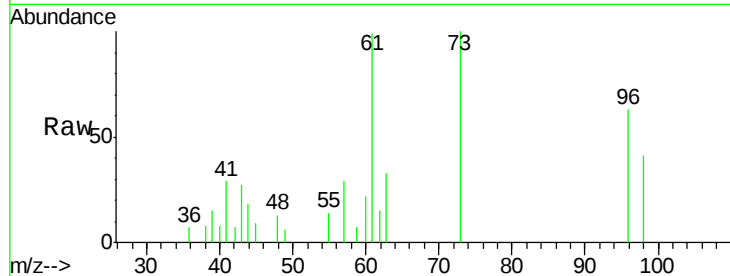
#17
trans-1,2-Dichloroethene
Concen: 1.770 ug/L
RT: 3.37 min Scan# 631
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion: 96 Resp: 2154
Ion Ratio Lower Upper
96 100
61 156.7 106.7 198.1
98 64.9 44.3 82.3

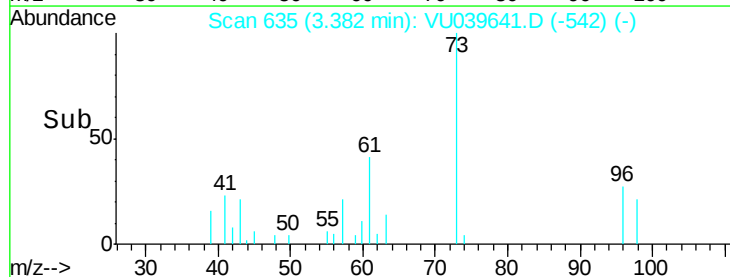
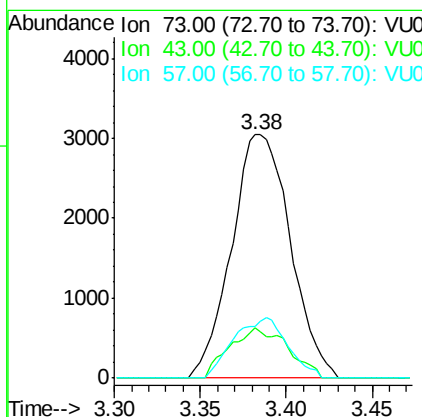
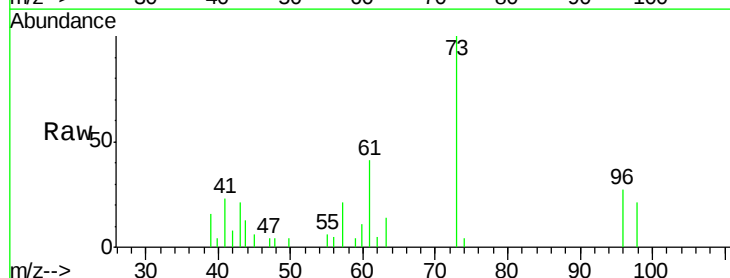
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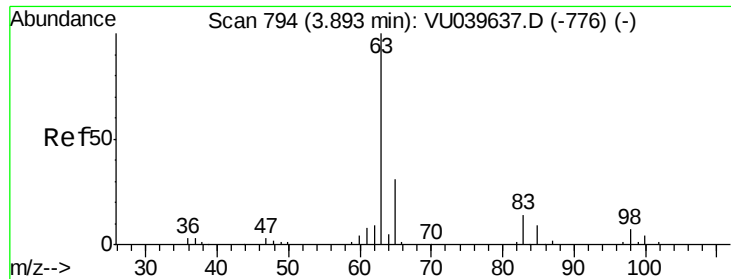
sam
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#18
Methyl tert-butyl Ether
Concen: 1.838 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 73 Resp: 7229
Ion Ratio Lower Upper
73 100
43 14.2 18.2 27.2#
57 10.5 17.4 26.2#





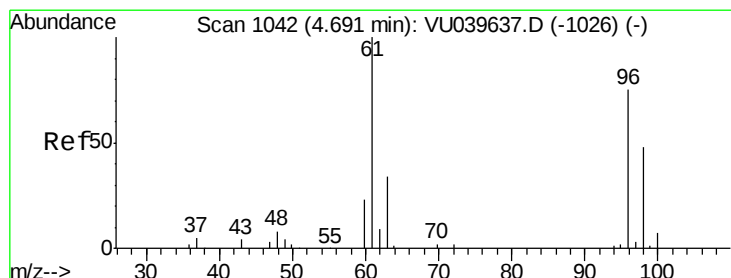
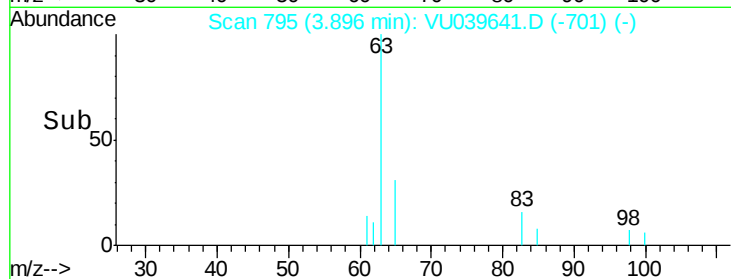
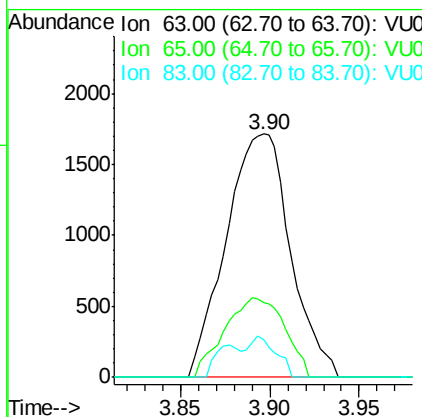
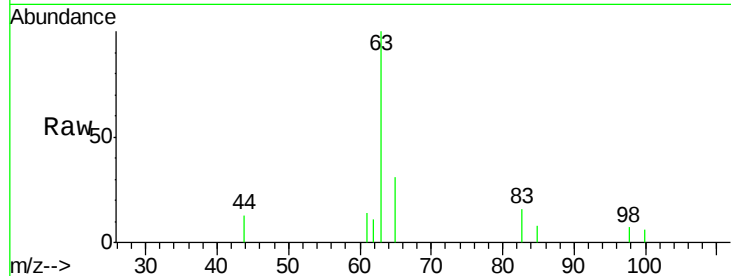
#19
 1,1-Dichloroethane
 Concen: 1.817 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	4315
Ion	Ratio	Lower	Upper
63	100		
65	30.7	20.4	38.0
83	15.7	9.7	18.1

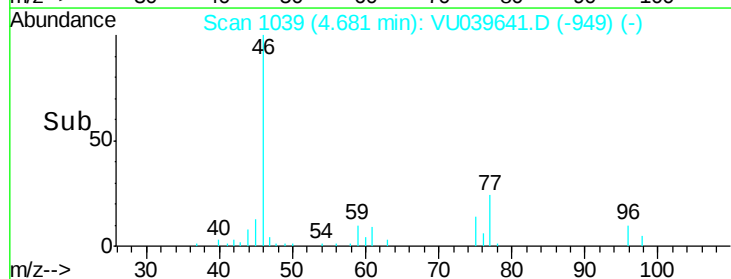
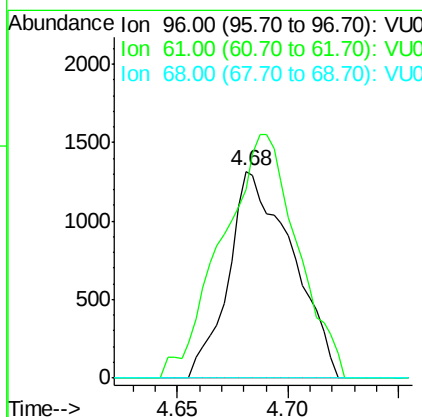
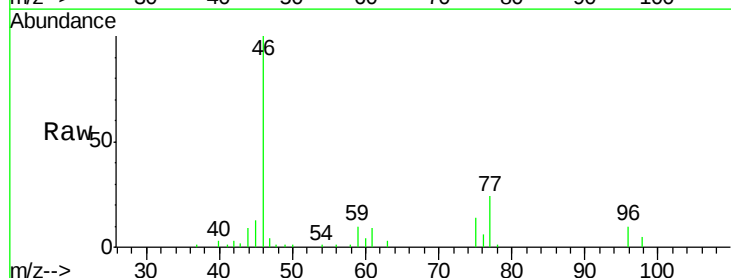
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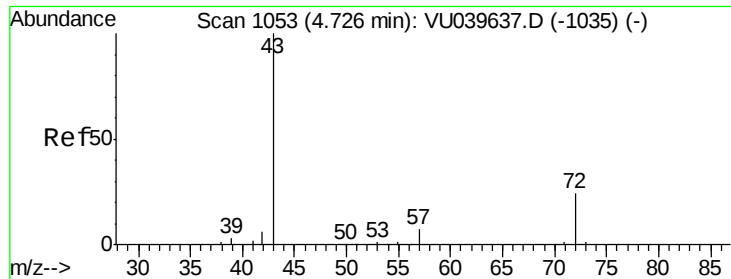
sam
 7/30/2020 2:58:36 AM



#20
 cis-1,2-Dichloroethene
 Concen: 1.896 ug/L
 RT: 4.68 min Scan# 1039
 Delta R.T. -0.01 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion:	96	Resp:	2638
Ion	Ratio	Lower	Upper
96	100		
61	90.8	94.0	174.6#
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.923 ug/L m

RT: 4.74 min Scan# 1057

Delta R.T. 0.01 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 43 Resp: 5302

Ion Ratio Lower Upper

43 100

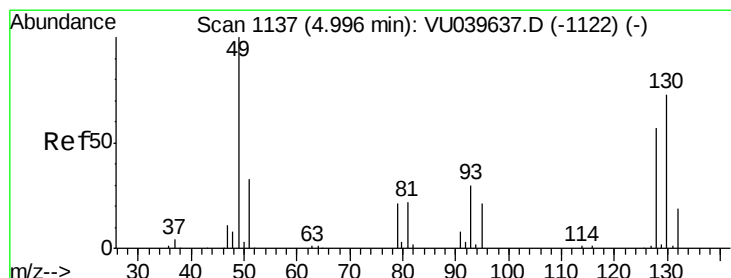
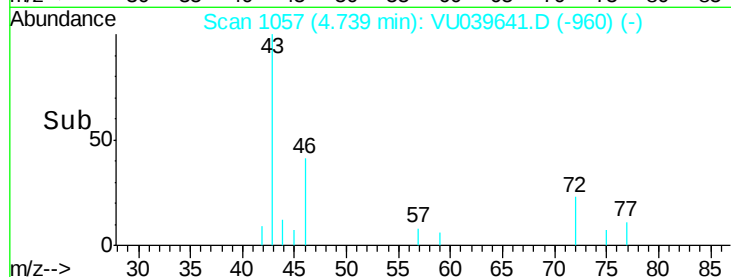
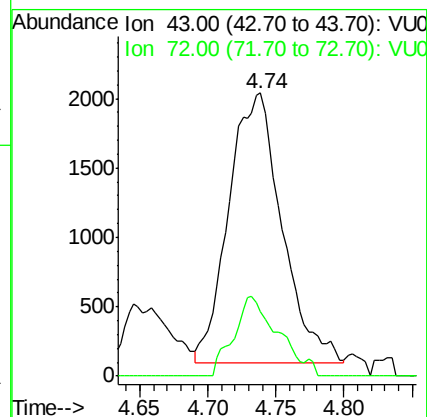
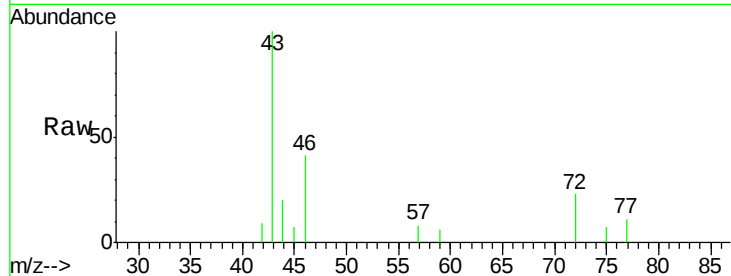
72 0.8 12.8 38.3#

Manual Integrations

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sam

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#23

Bromochloromethane

Concen: 2.038 ug/L

RT: 5.00 min Scan# 1137

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion: 128 Resp: 1425

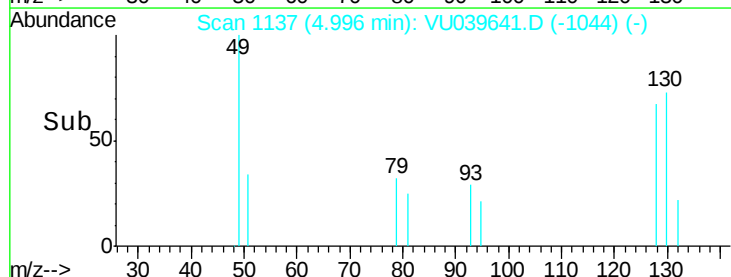
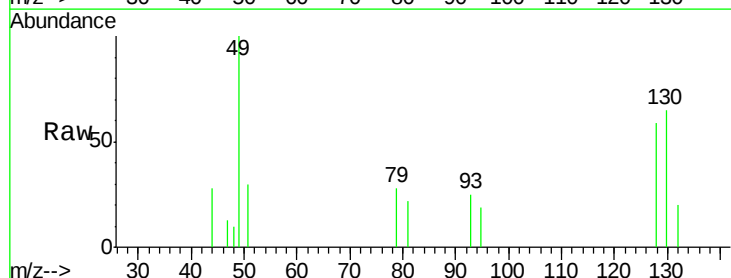
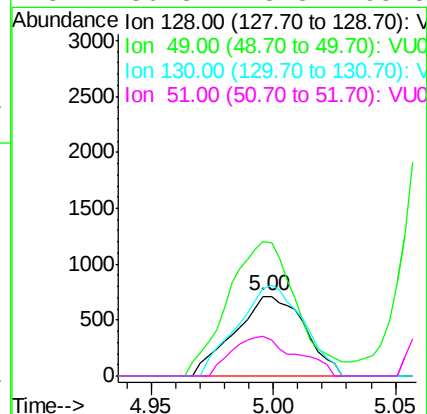
Ion Ratio Lower Upper

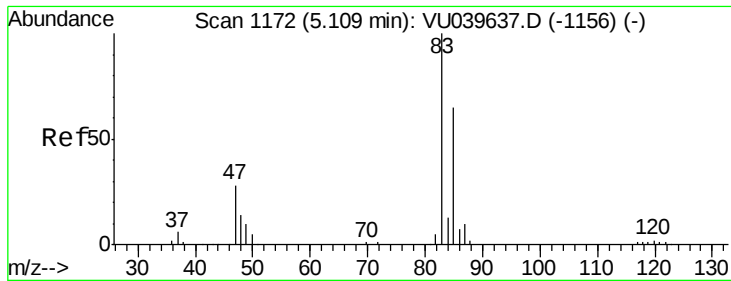
128 100

49 168.3 124.5 231.3

130 109.1 94.4 175.2

51 50.3 43.5 65.3





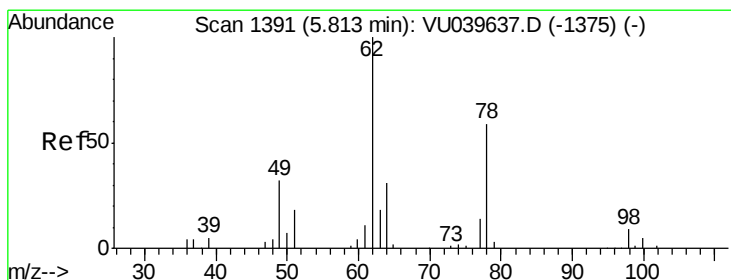
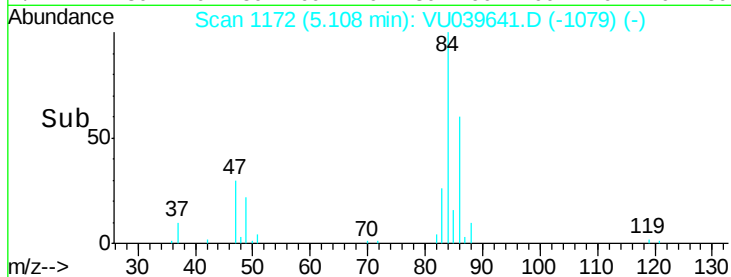
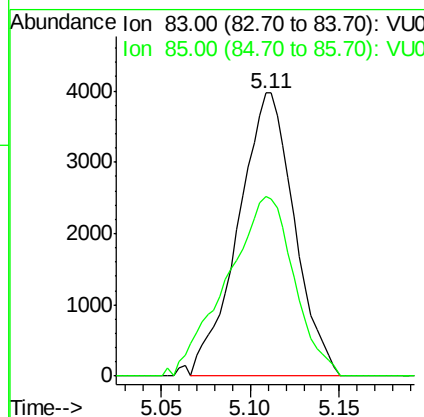
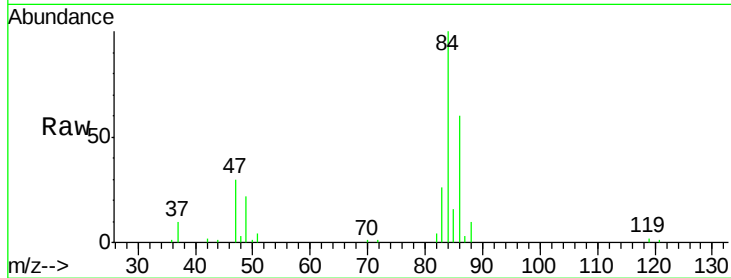
#25
Chloroform
Concen: 3.306 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	83	Resp	8711
Ion Ratio	100	Lower	Upper
85	63.4	45.6	84.6

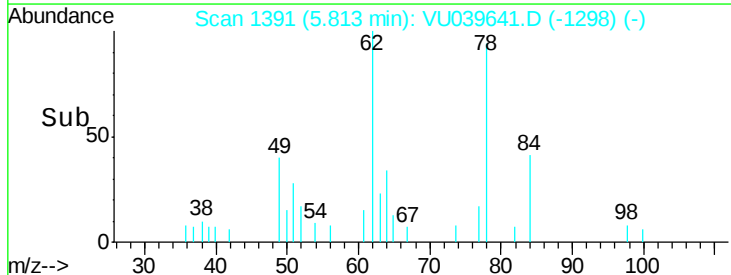
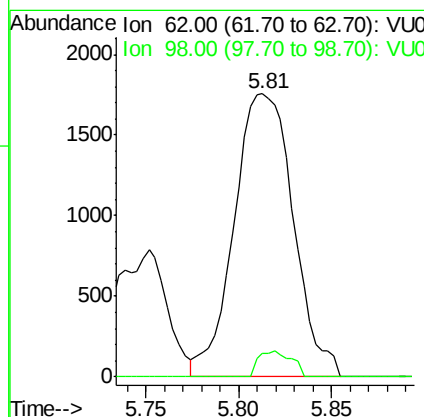
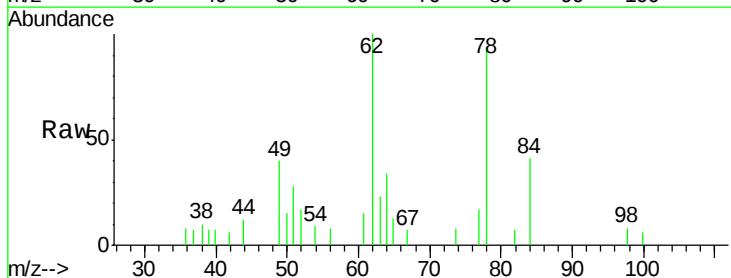
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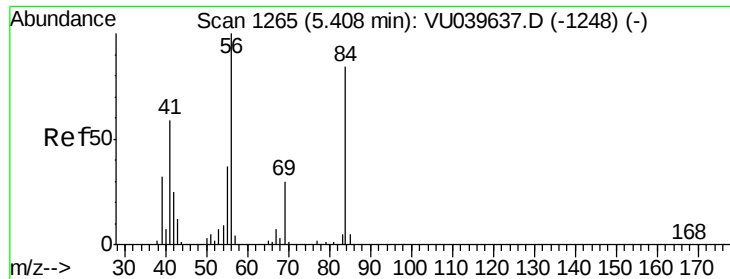
sam
7/30/2020 2:58:36 AM



#27
1,2-Dichloroethane
Concen: 1.788 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion	62	Resp	3907
Ion Ratio	100	Lower	Upper
98	8.2	6.4	9.6





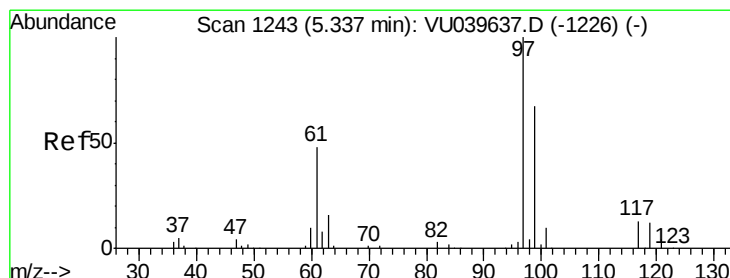
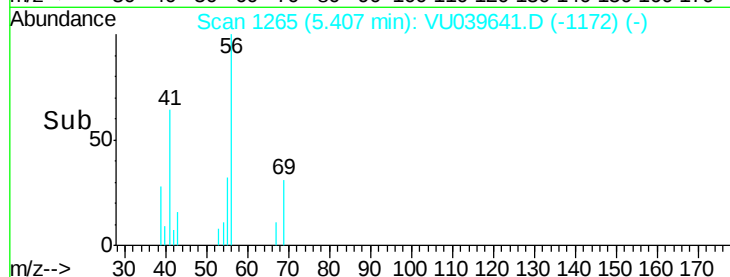
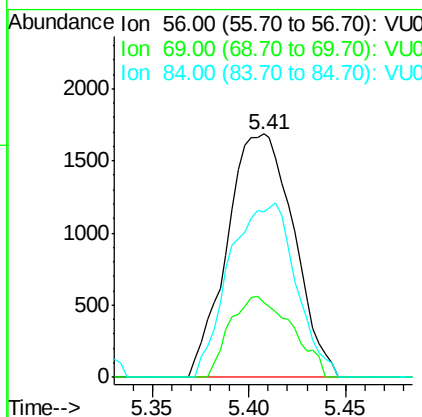
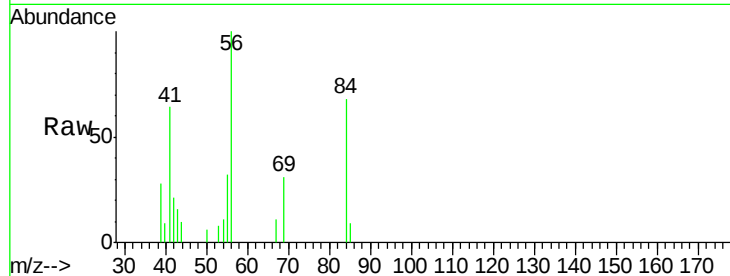
#29
Cyclohexane
Concen: 2.038 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.9	35.9
84	71.5	65.8	98.8

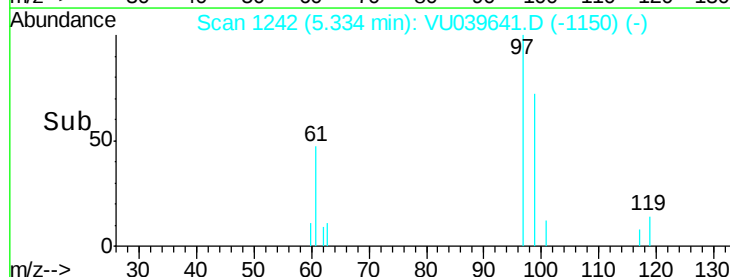
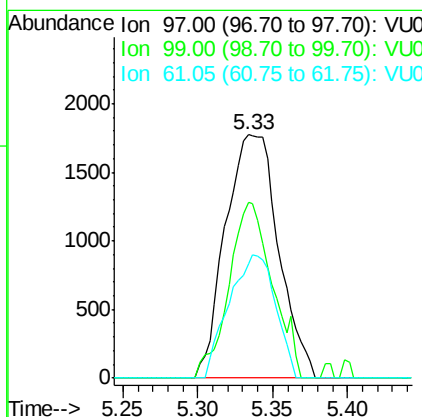
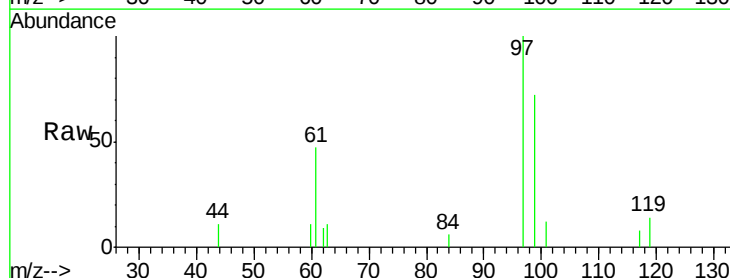
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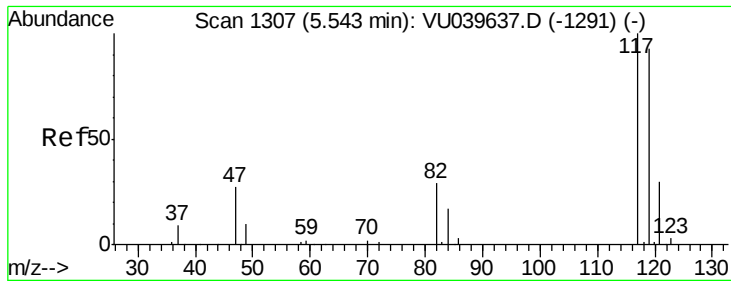
sam
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#30
1,1,1-Trichloroethane
Concen: 2.020 ug/L m
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	56.5	50.3	75.5
61	44.3	36.0	54.0





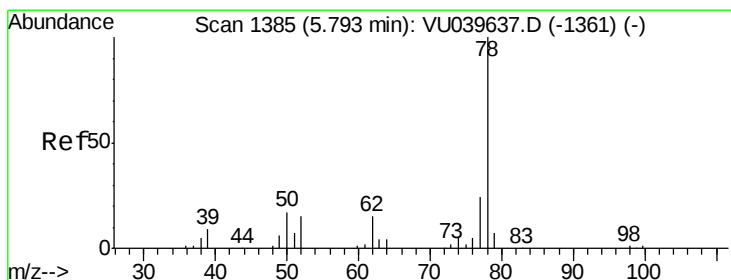
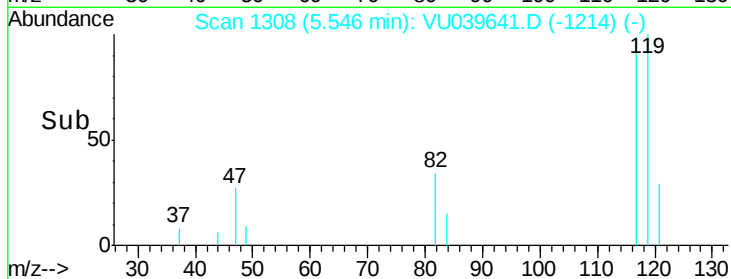
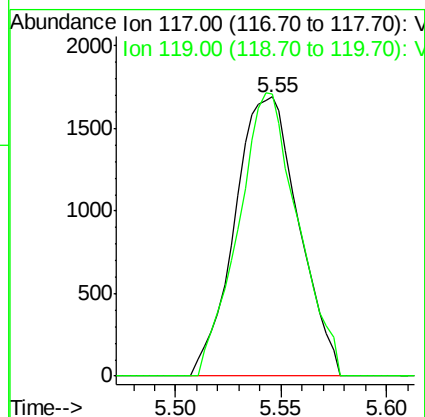
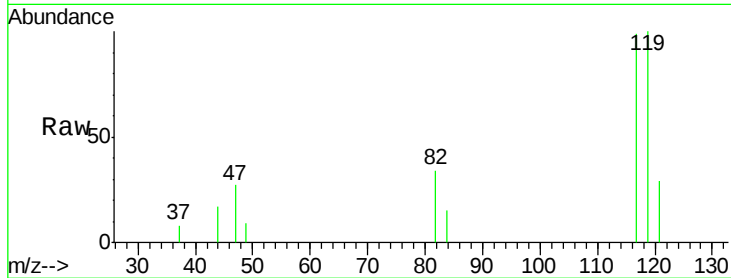
#31
Carbon tetrachloride
Concen: 1.976 ug/L
RT: 5.55 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion:117 Resp: 3559
Ion Ratio Lower Upper
117 100
119 95.0 78.2 117.4

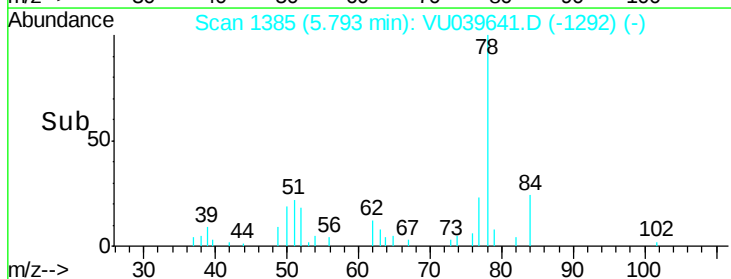
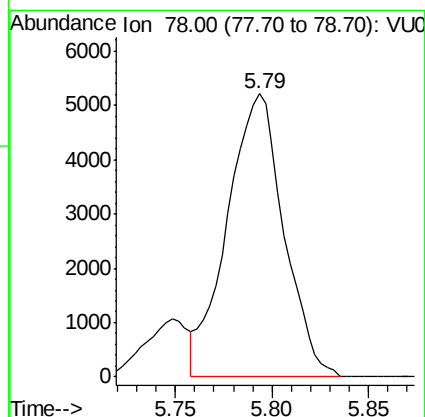
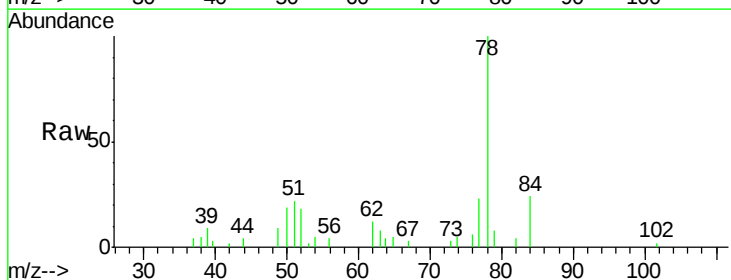
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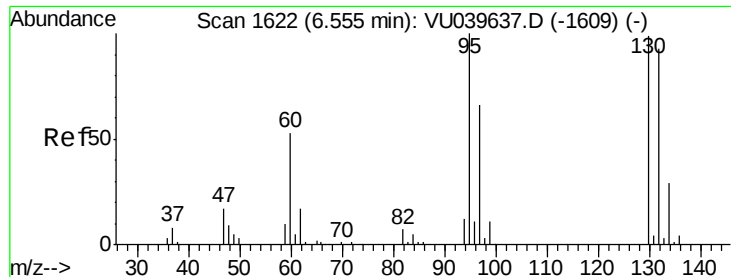
sam
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#33
Benzene
Concen: 2.119 ug/L
RT: 5.79 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion: 78 Resp: 10592





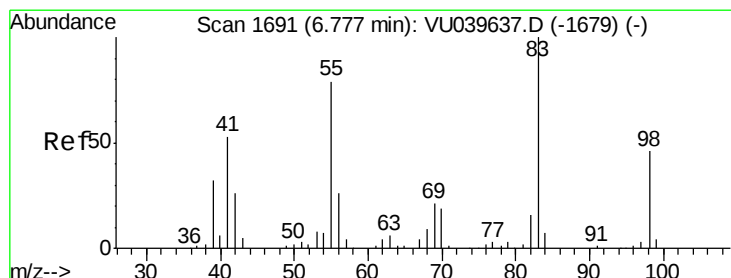
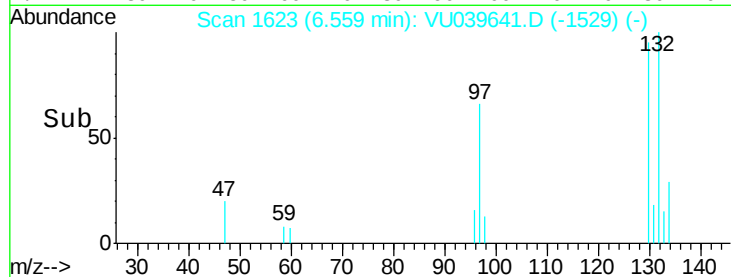
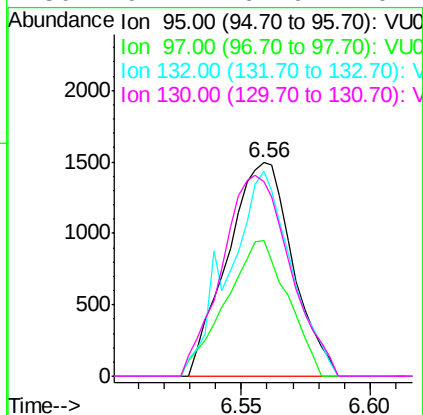
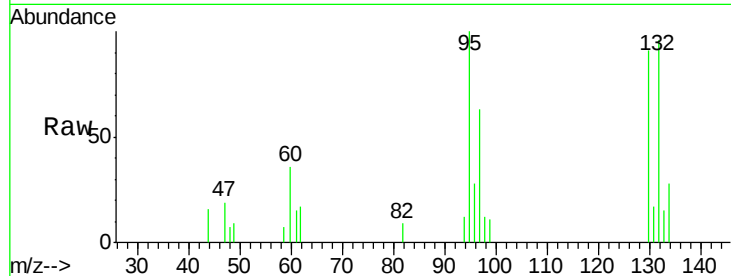
#34
 Trichloroethene
 Concen: 1.993 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 95 Resp: 2635
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.5 84.5
 132 95.9 65.0 120.6
 130 91.4 67.9 126.1

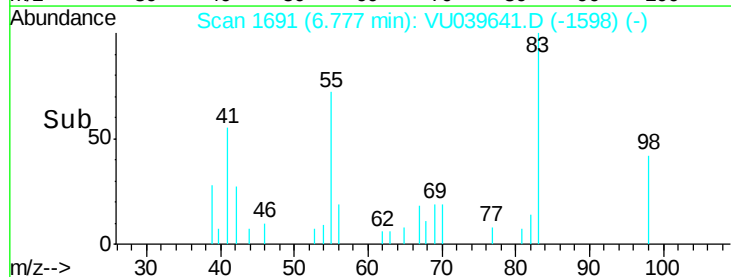
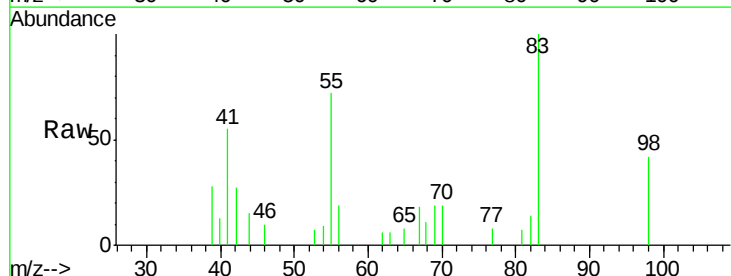
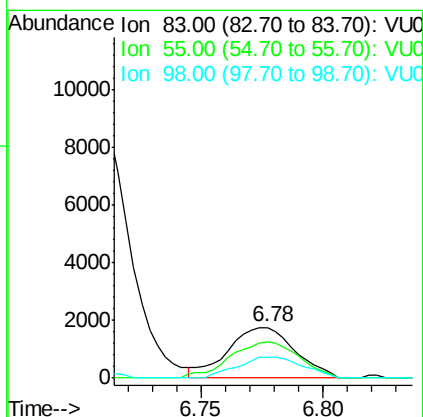
Manual Integrations
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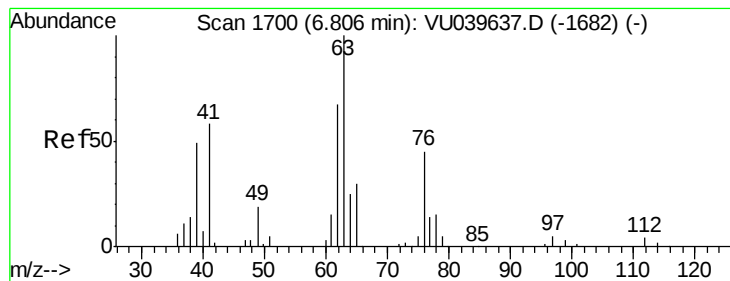
sam
 7/30/2020 2:58:36 AM



#35
 Methylcyclohexane
 Concen: 1.637 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 83 Resp: 3347
 Ion Ratio Lower Upper
 83 100
 55 73.0 62.9 94.3
 98 41.1 36.3 54.5





#37

1,2-Dichloropropane

Concen: 1.953 ug/L

RT: 6.81 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 63 Resp: 2644

Ion Ratio Lower Upper

63 100

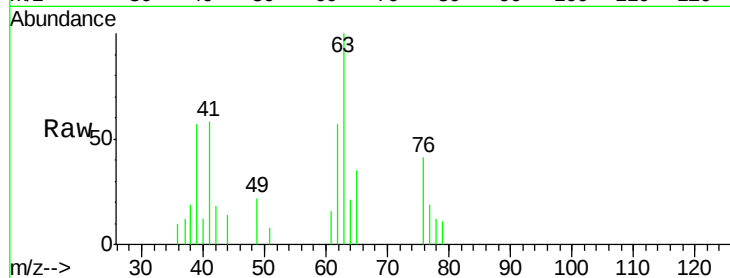
112 0.0 3.0 4.4#

Manual Integrations

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sam

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Abundance Ion 63.00 (62.70 to 63.70): VU039641.D (-1607) (-)

Ion 112.00 (111.70 to 112.70): VU039641.D (-1607) (-)

6.81

1500

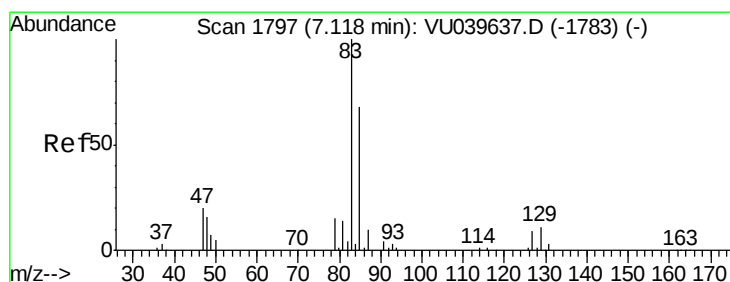
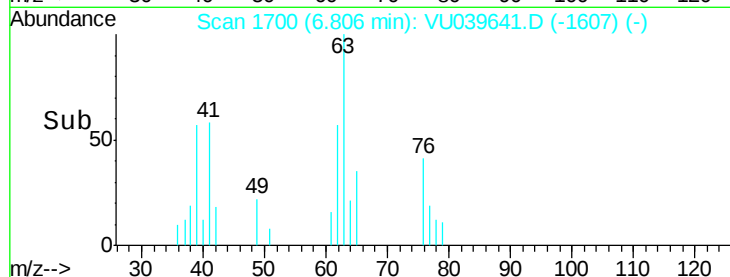
1000

500

0

6.75 6.80 6.85

Time-->



#38

Bromodichloromethane

Concen: 1.886 ug/L

RT: 7.12 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

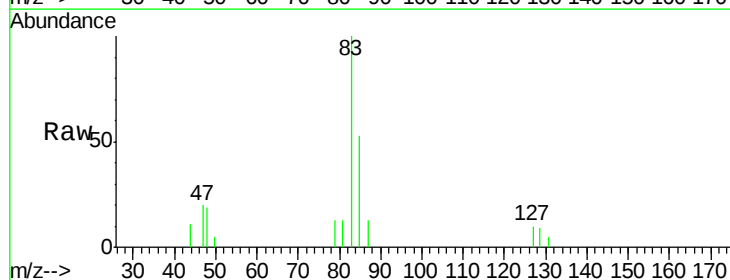
Tgt Ion: 83 Resp: 3390

Ion Ratio Lower Upper

83 100

85 52.8 45.9 85.3

127 10.3 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VU039641.D (-1704) (-)

Ion 85.00 (84.70 to 85.70): VU039641.D (-1704) (-)

Ion 127.00 (126.70 to 127.70): VU039641.D (-1704) (-)

2500

2000

1500

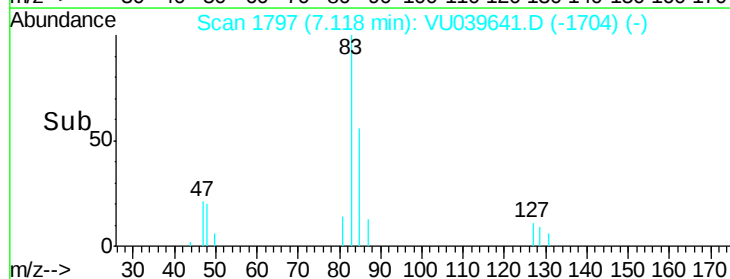
1000

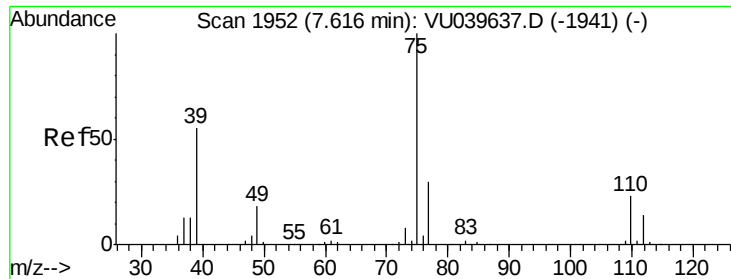
500

0

7.10 7.12 7.15

Time-->





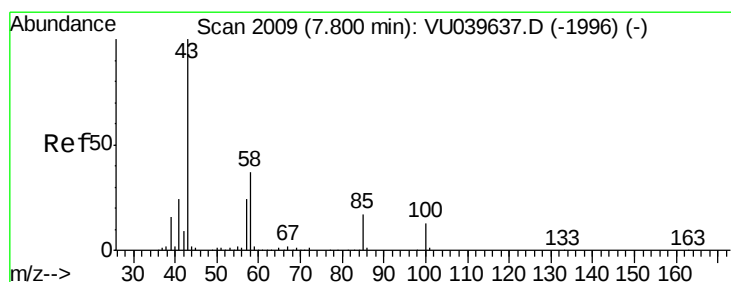
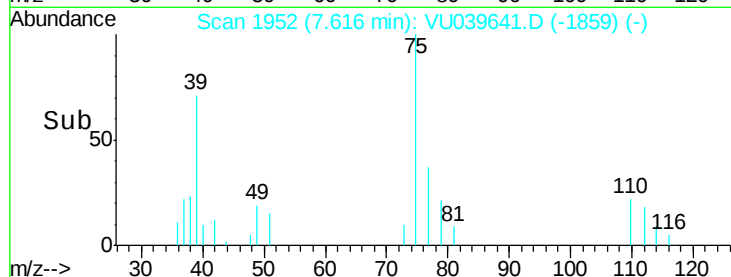
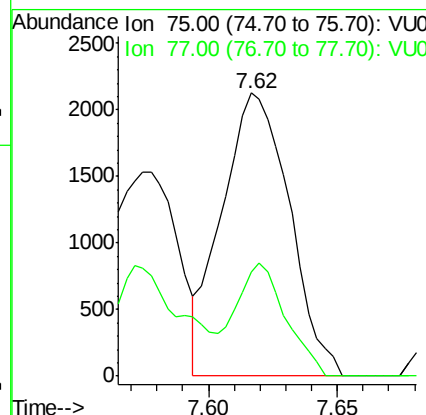
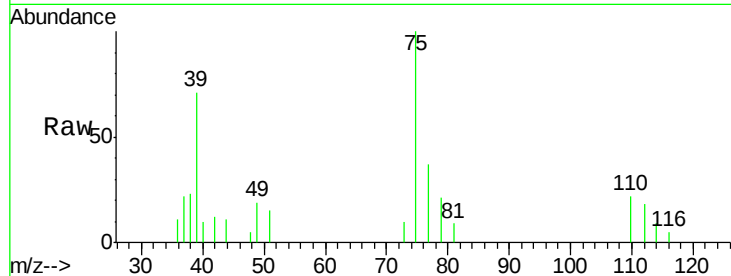
#39
 cis-1,3-Dichloropropene
 Concen: 1.924 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 3891
 Ion Ratio Lower Upper
 75 100
 77 36.9 21.8 40.6

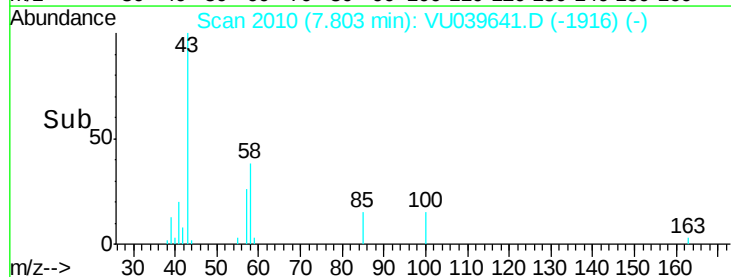
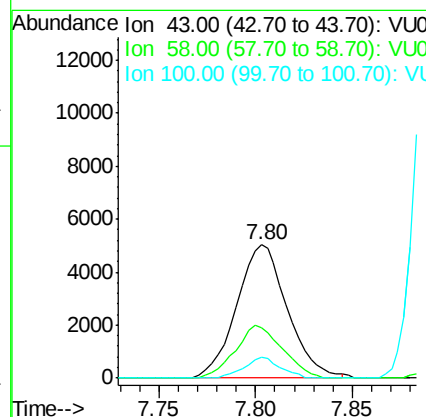
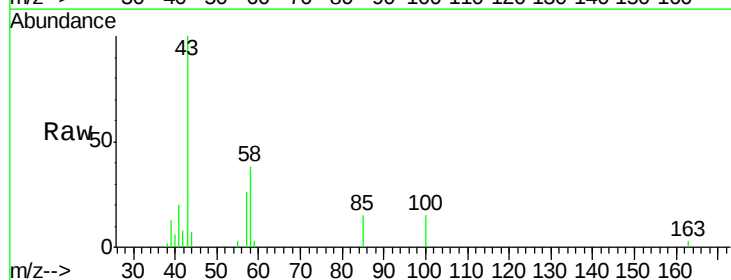
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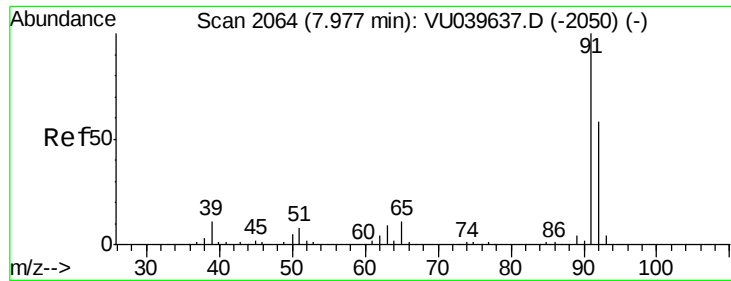
sam
 7/30/2020 2:58:36 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.878 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 43 Resp: 9145
 Ion Ratio Lower Upper
 43 100
 58 36.7 29.1 43.7
 100 10.9 10.6 16.0





#42

Toluene

Concen: 1.821 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 10014

Ion Ratio Lower Upper

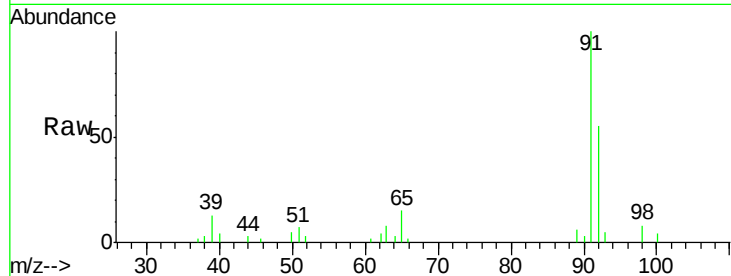
91 100

92 55.2 40.1 74.5

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Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2050) (-)

Ion 92.00 (91.70 to 92.70): VU039637.D (-2050) (-)

7.98

6000

5000

4000

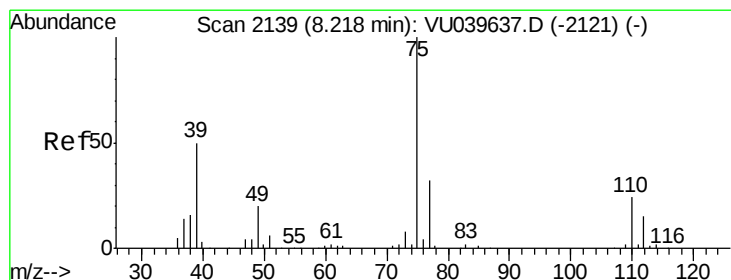
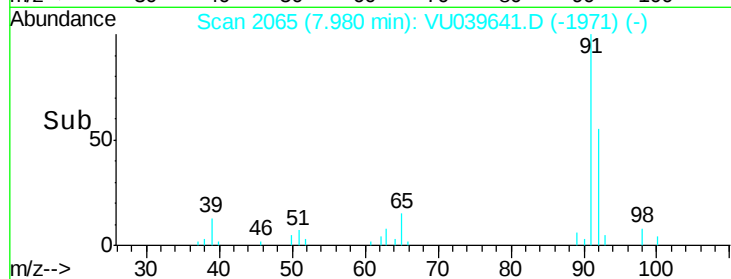
3000

2000

1000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 1.651 ug/L

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039641.D

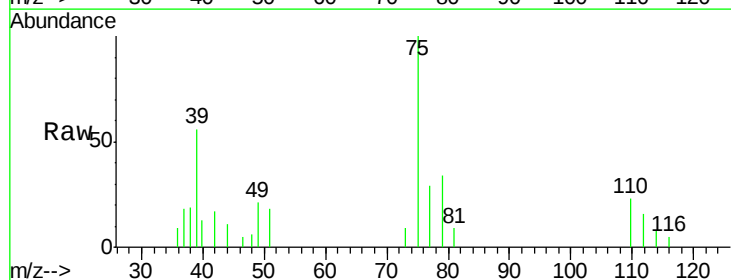
Acq: 23 Jul 2020 17:35

Tgt Ion: 75 Resp: 3270

Ion Ratio Lower Upper

75 100

77 29.1 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VU039637.D (-2121) (-)

Ion 77.00 (76.70 to 77.70): VU039637.D (-2121) (-)

8.22

2500

2000

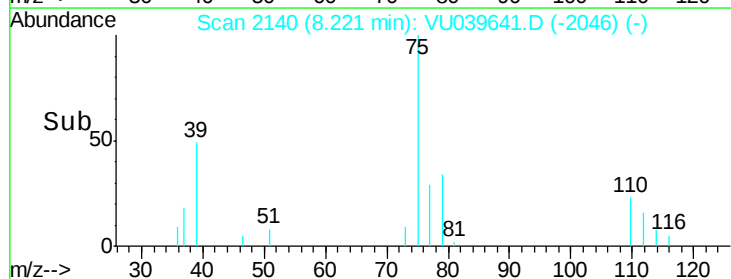
1500

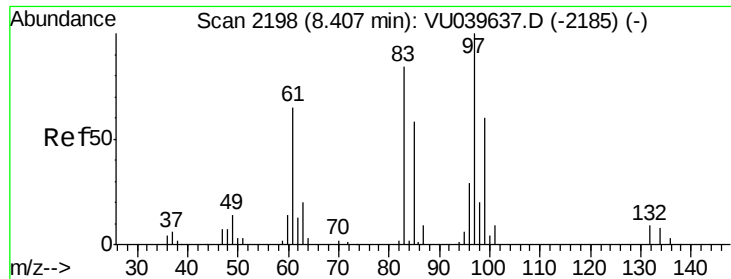
1000

500

0

Time-->





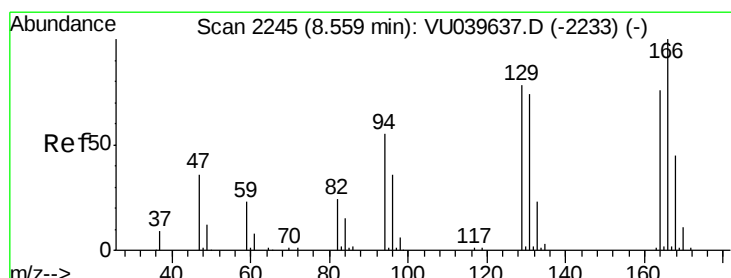
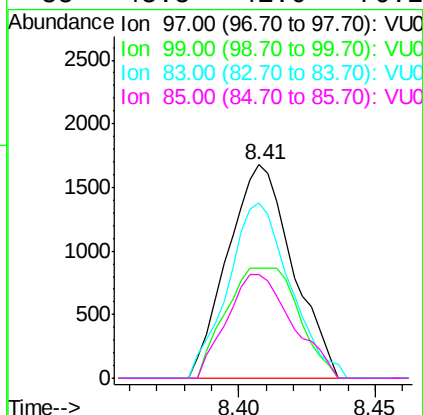
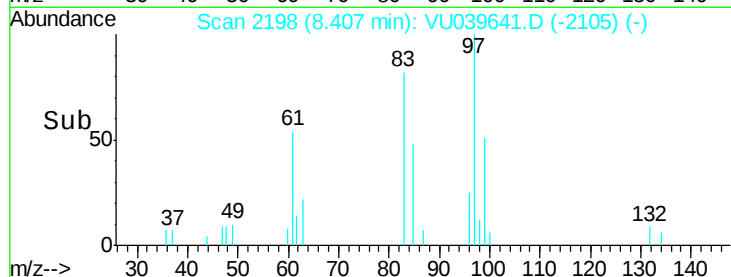
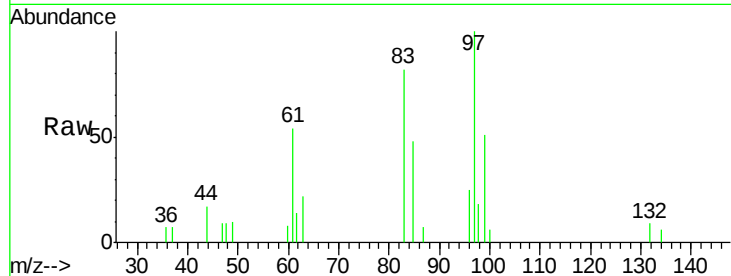
#45
1,1,2-Trichloroethane
Concen: 2.148 ug/L
RT: 8.41 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampled :
MDL02

Tot Ion:	97	Resp:	2773
Ion	Ratio	Lower	Upper
97	100		
99	51.3	45.1	83.9
83	82.4	62.7	116.5
85	48.5	41.0	76.2

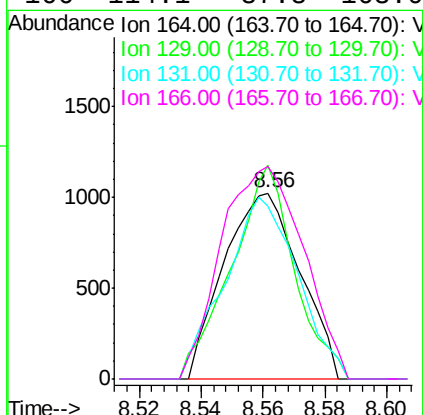
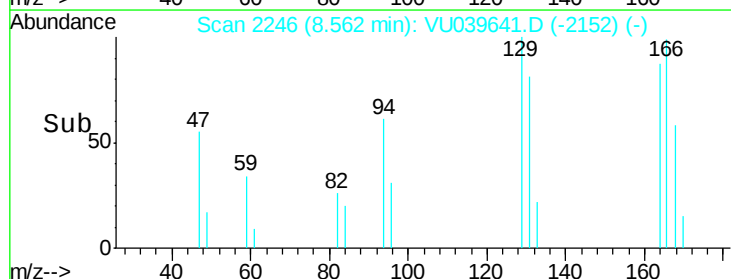
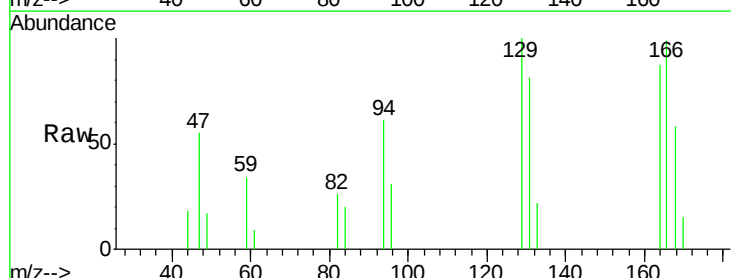
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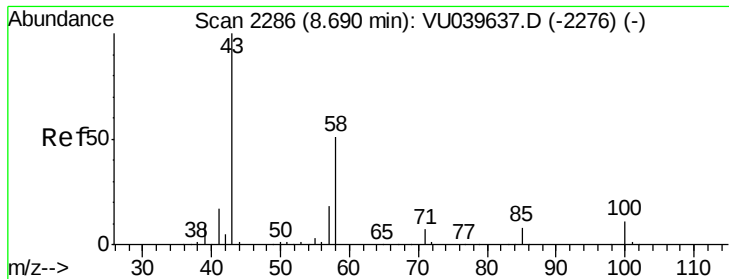
sam
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#46
Tetrachloroethene
Concen: 1.745 ug/L
RT: 8.56 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion:	164	Resp:	1745
Ion	Ratio	Lower	Upper
164	100		
129	114.7	71.1	132.1
131	92.8	70.3	130.5
166	114.1	87.8	163.0





#48

2-Hexanone

Concen: 5.571 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. 0.00 min

Lab File: VU039641.D

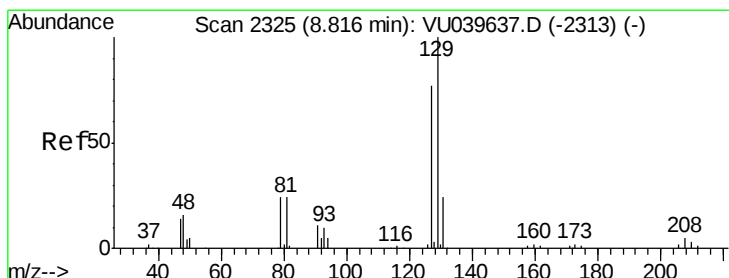
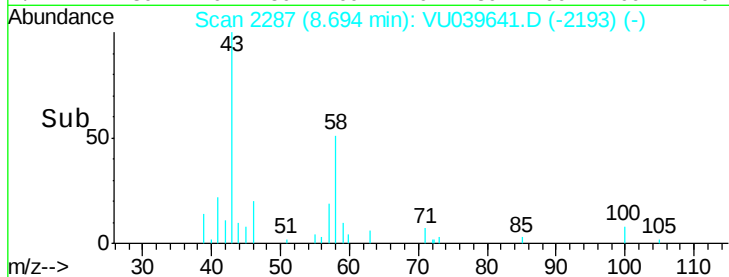
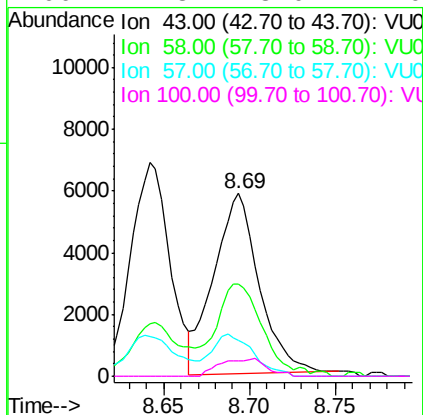
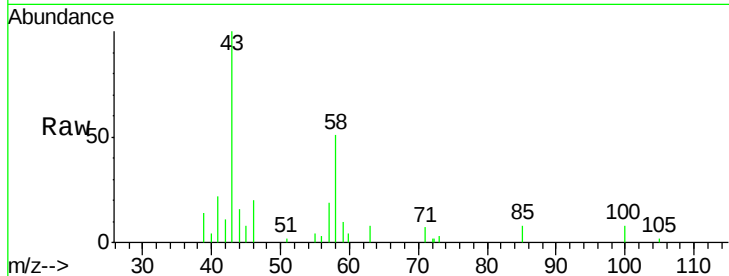
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion:	43	Resp:	10704
Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.6	61.0
57	22.0	14.5	21.7#
100	4.8	8.0	12.0#

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#49

Dibromochloromethane

Concen: 1.725 ug/L

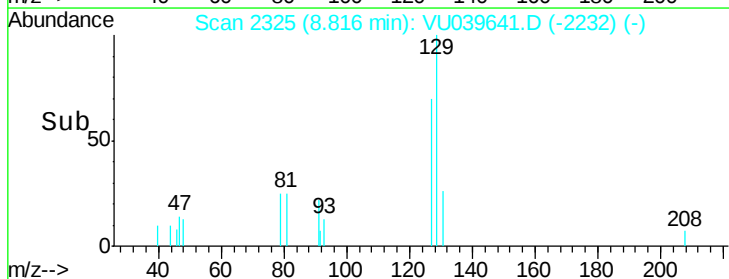
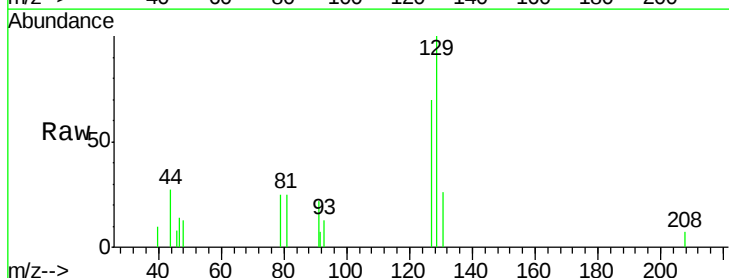
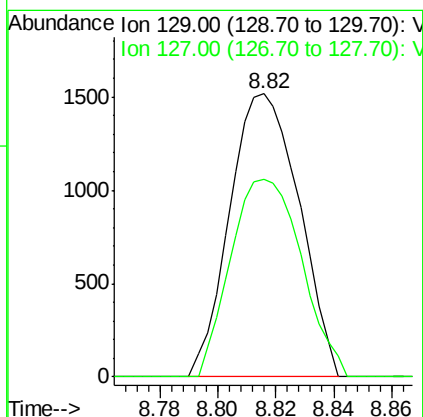
RT: 8.82 min Scan# 2325

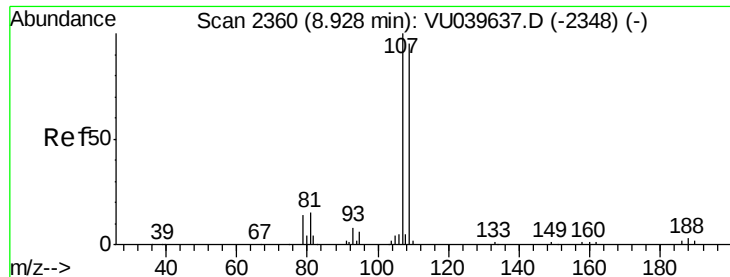
Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion:	129	Resp:	2514
Ion	Ratio	Lower	Upper
129	100		
127	70.0	54.3	100.9





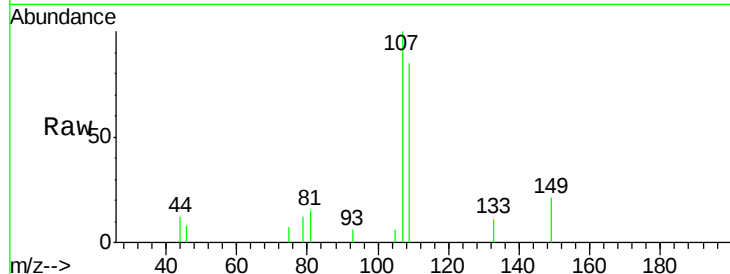
#50
1,2-Dibromoethane
Concen: 1.997 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Instrument :
MSVOA_U
ClientSampleId :
MDL02

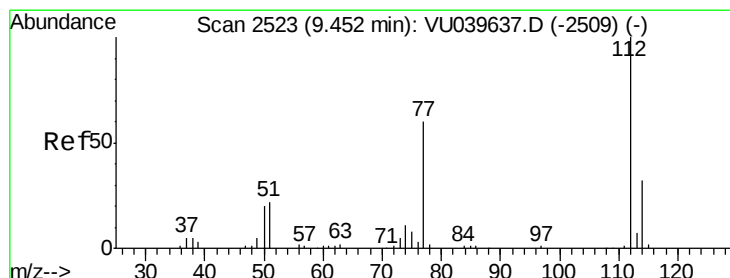
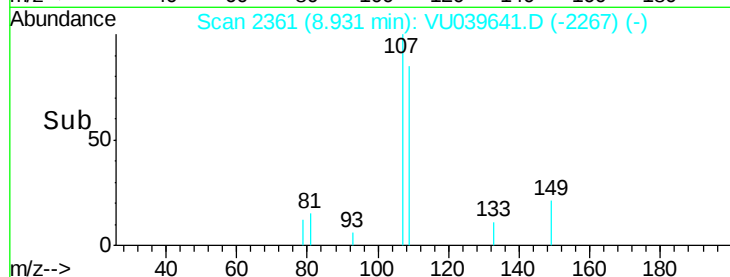
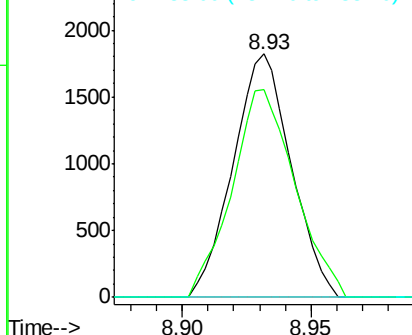
Tot Ion	Ratio	Lower	Upper
107	100		
109	85.2	66.8	124.2
188	0.0	3.0	4.4#

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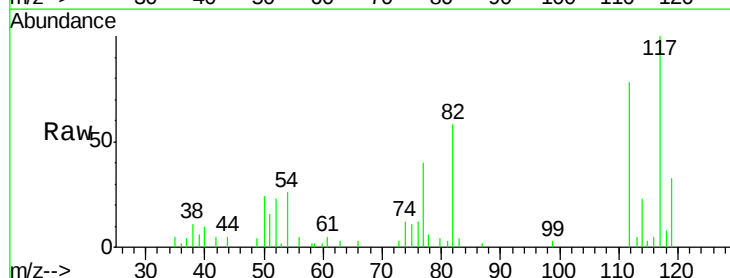


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

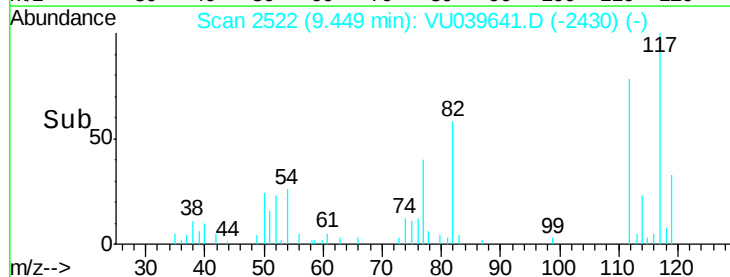
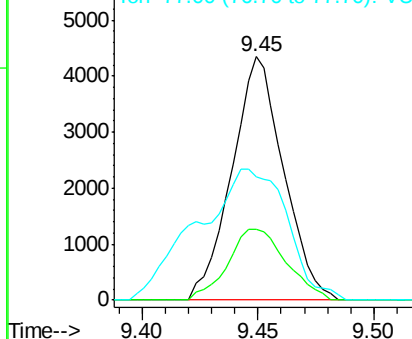


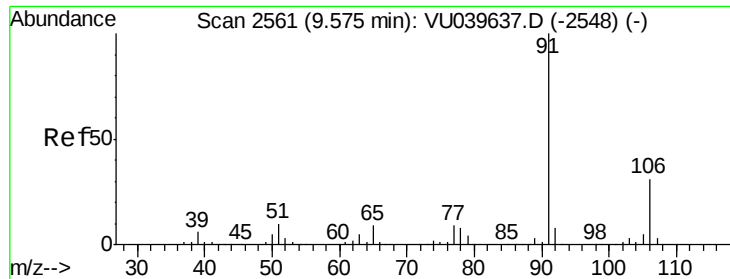
#51
Chlorobenzene
Concen: 1.918 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VU039641.D
Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.0	22.9	42.5
77	50.7	49.4	74.0



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 1.742 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 10584

Ion Ratio Lower Upper

91 100

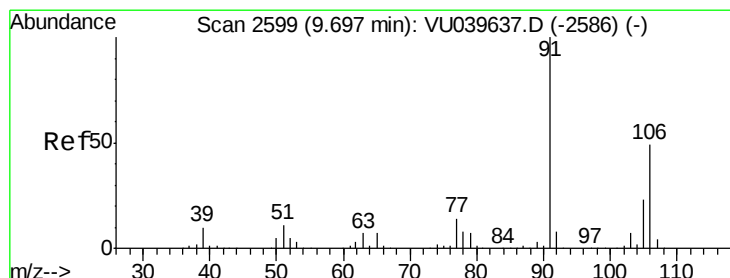
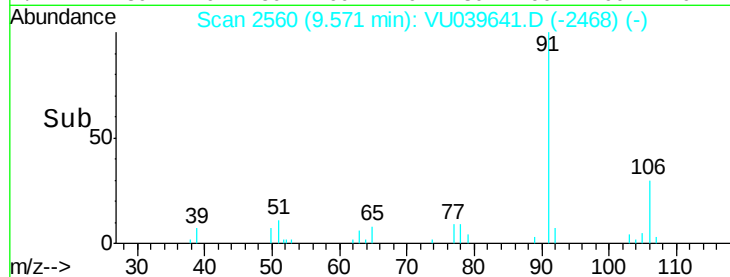
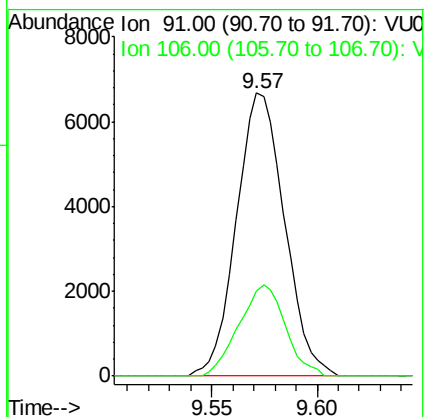
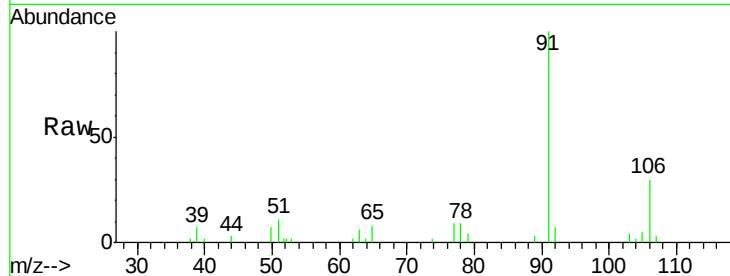
106 30.1 21.1 39.1

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#53

m,p-Xylene

Concen: 1.646 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039641.D

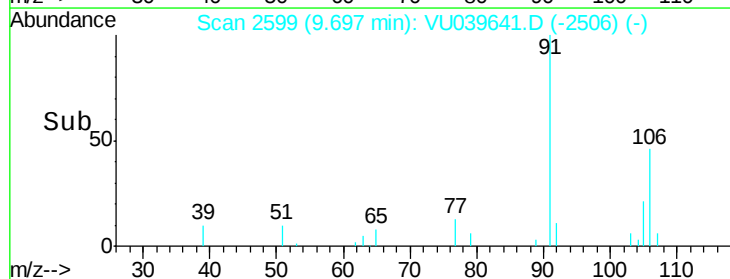
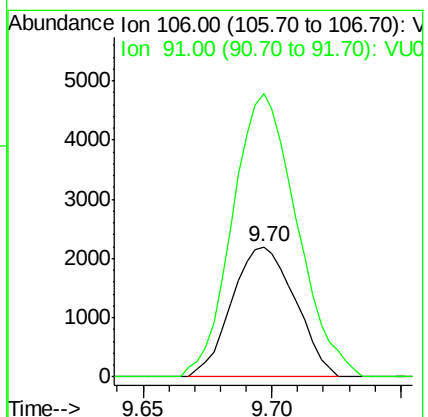
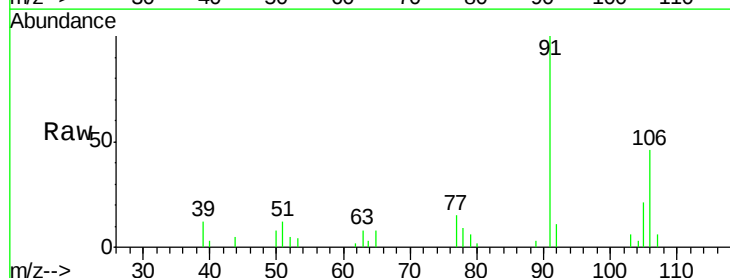
Acq: 23 Jul 2020 17:35

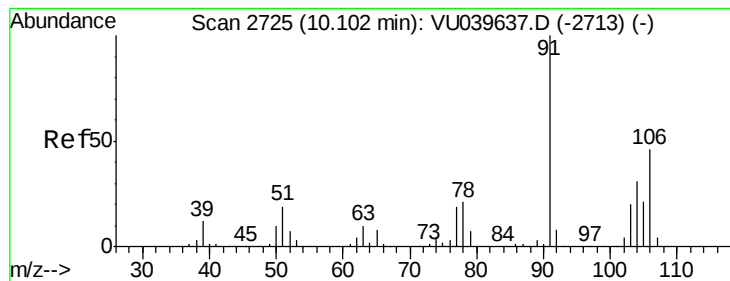
Tgt Ion: 106 Resp: 3770

Ion Ratio Lower Upper

106 100

91 217.8 149.7 277.9





#54

o-xylene

Concen: 1.632 ug/L

RT: 10.11 min Scan# 2726

Delta R.T. 0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:106 Resp: 3586

Ion Ratio Lower Upper

106 100

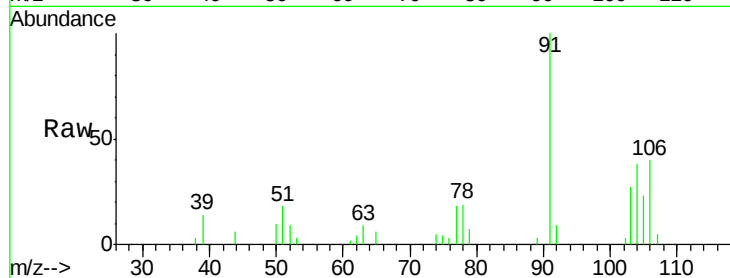
91 250.3 155.1 288.1

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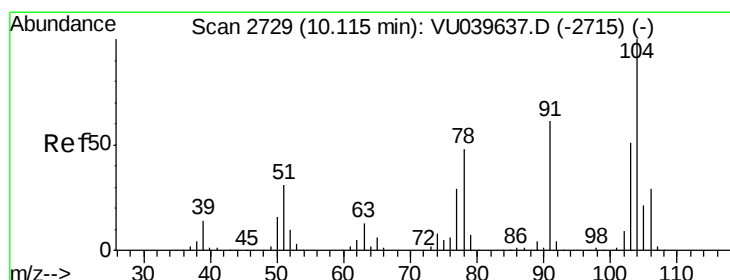
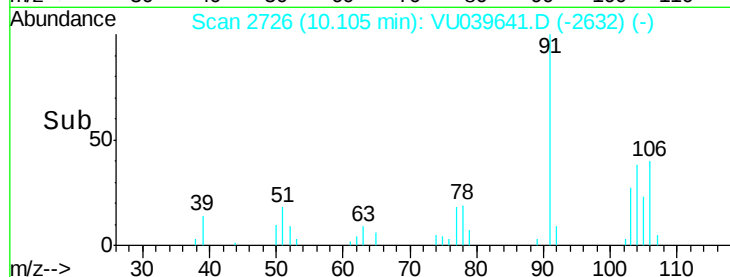
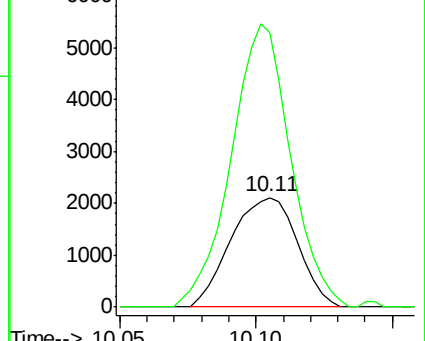
sam

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.570 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU039641.D

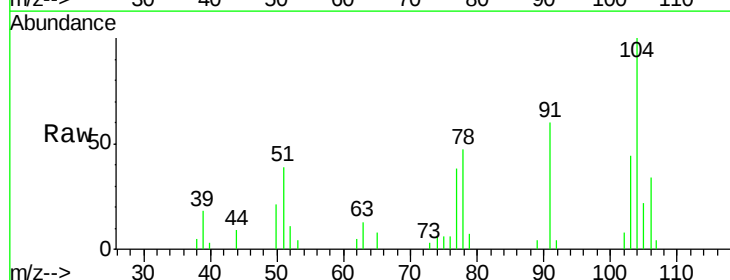
Acq: 23 Jul 2020 17:35

Tgt Ion:104 Resp: 5971

Ion Ratio Lower Upper

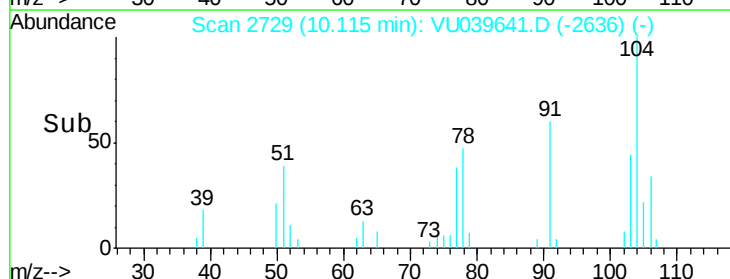
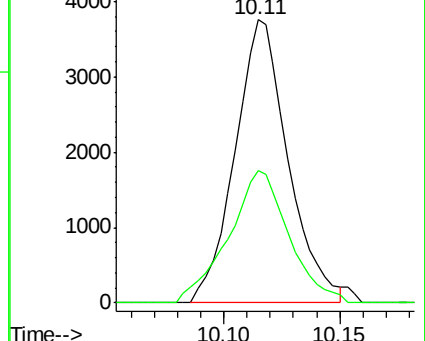
104 100

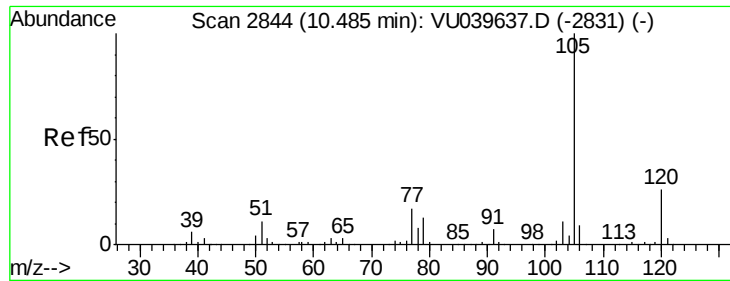
78 46.6 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.662 ug/L

RT: 10.49 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

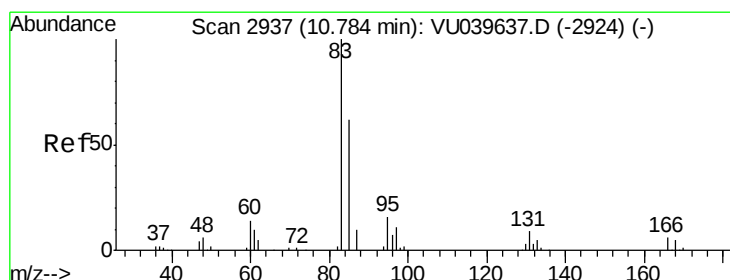
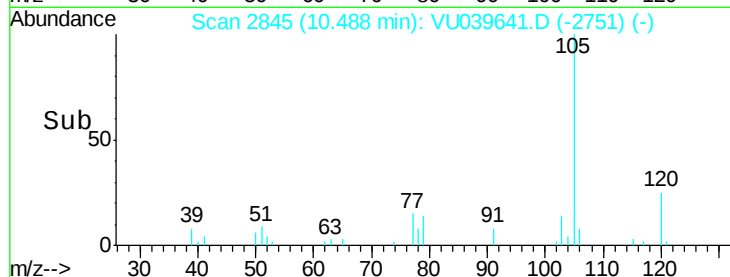
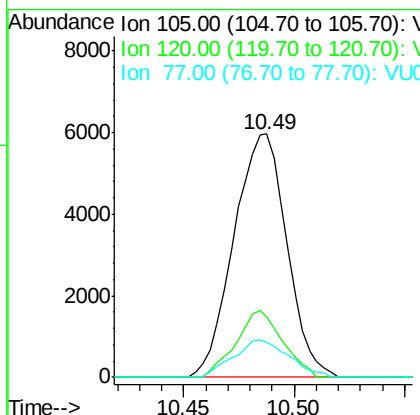
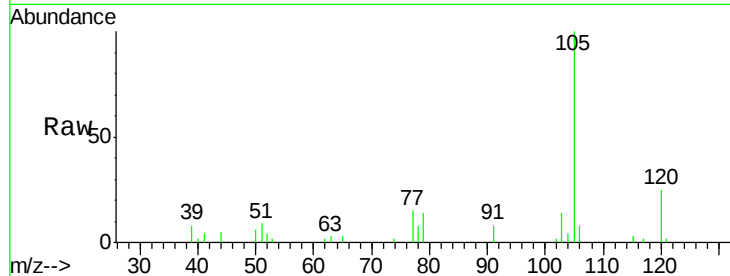
ClientSampled :

MDL02

Tot Ion:	105	Resp:	9917
Ion Ratio	Lower	Upper	
105	100		
120	24.1	20.6	31.0
77	16.0	13.4	20.2

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#58

1,1,2,2-Tetrachloroethane

Concen: 2.102 ug/L

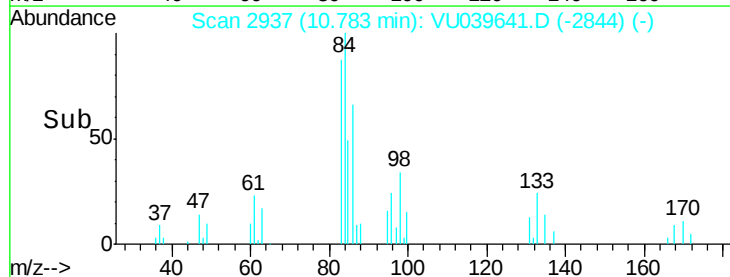
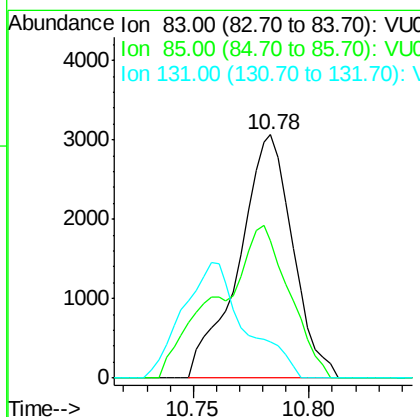
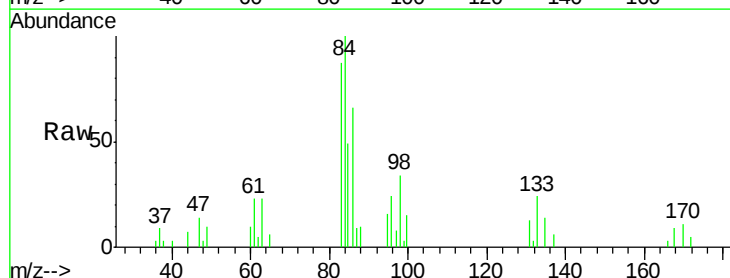
RT: 10.78 min Scan# 2937

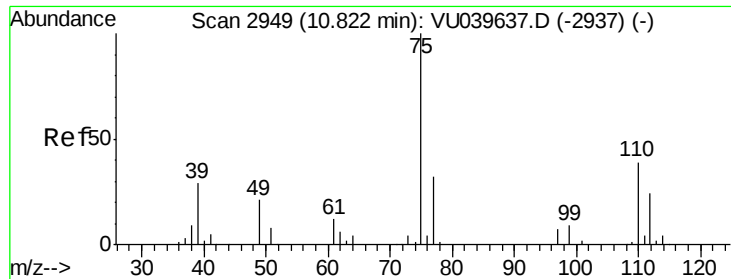
Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion:	83	Resp:	4946
Ion Ratio	Lower	Upper	
83	100		
85	56.6	46.4	86.2
131	14.9	7.8	11.6#





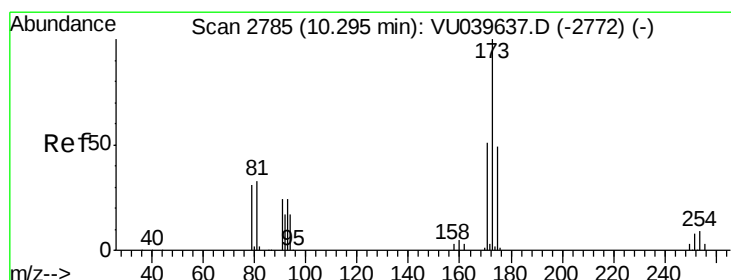
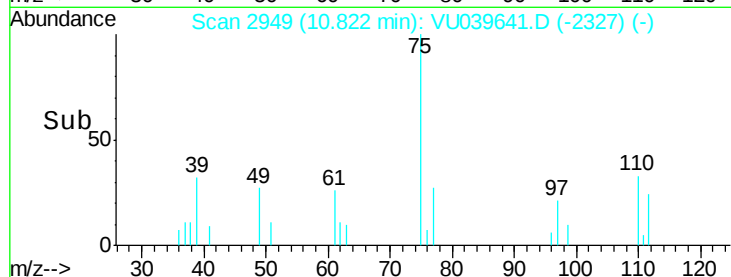
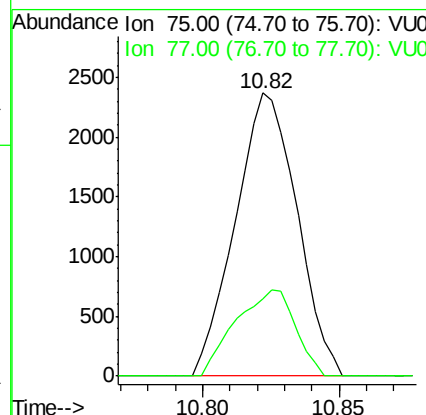
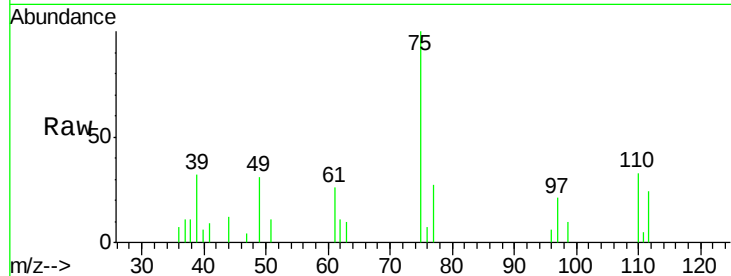
#59
 1,2,3-Trichloropropane
 Concen: 1.890 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion: 75 Resp: 3711
 Ion Ratio Lower Upper
 75 100
 77 29.6 25.4 38.2

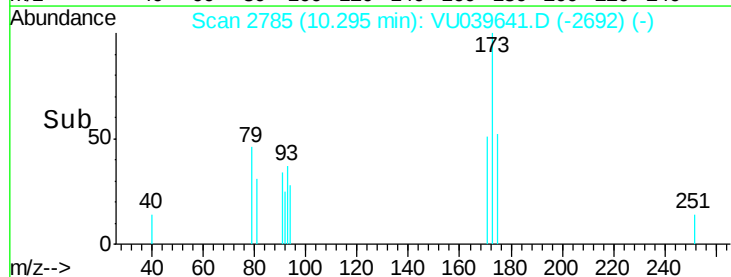
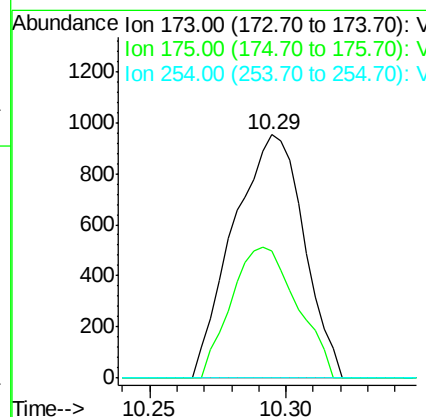
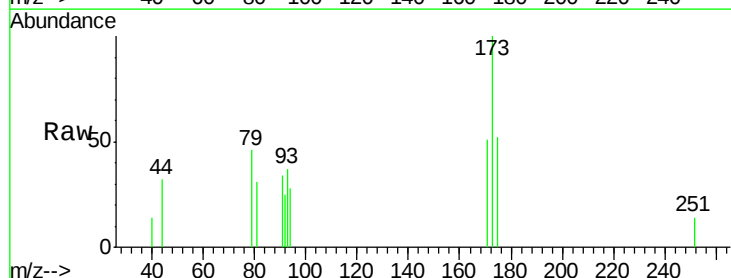
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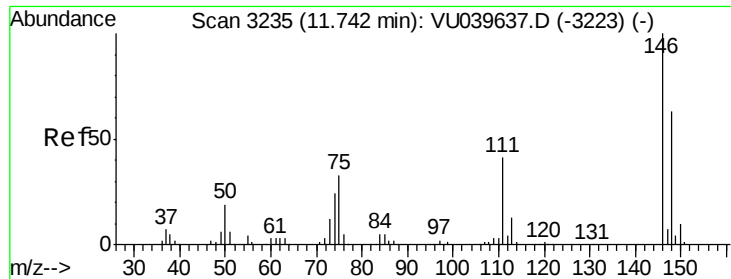
sam
 7/30/2020 2:58:36 AM



#61
 Bromoform
 Concen: 1.694 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion: 173 Resp: 1705
 Ion Ratio Lower Upper
 173 100
 175 50.3 38.4 57.6
 254 0.0 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 1.709 ug/L

RT: 11.74 min Scan# 3235

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

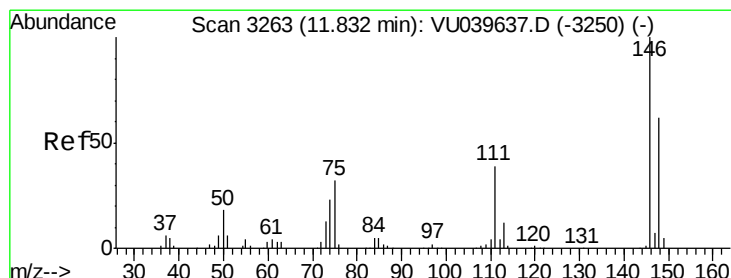
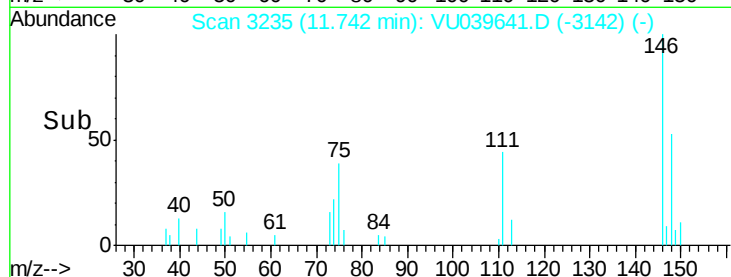
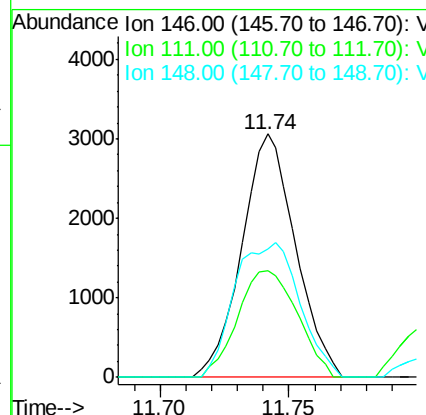
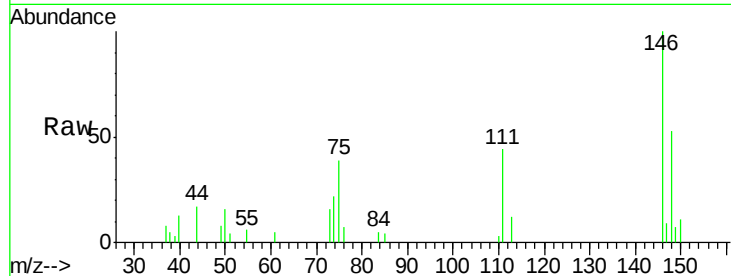
ClientSampled :

MDL02

Tot Ion:	146	Resp:	4455
Ion Ratio	Lower	Upper	
146	100		
111	43.6	29.3	54.3
148	52.9	46.1	85.5

Manual Integrations
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#63

1,4-Dichlorobenzene

Concen: 1.911 ug/L

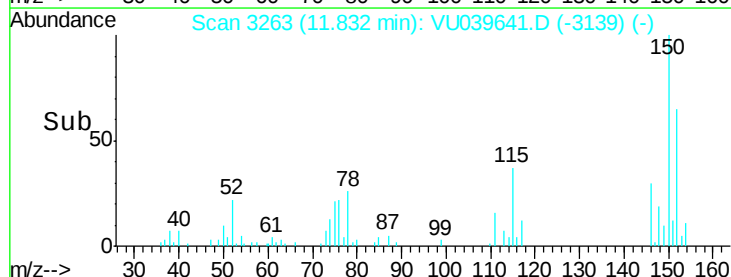
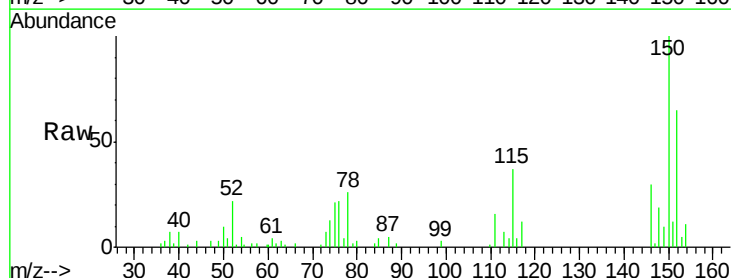
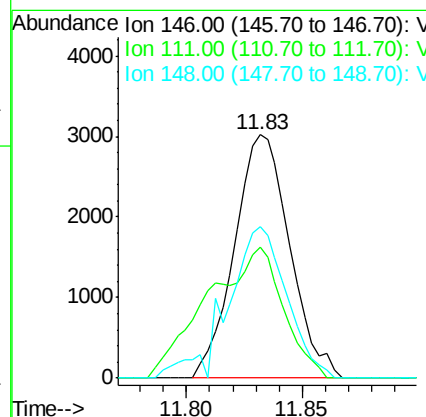
RT: 11.83 min Scan# 3263

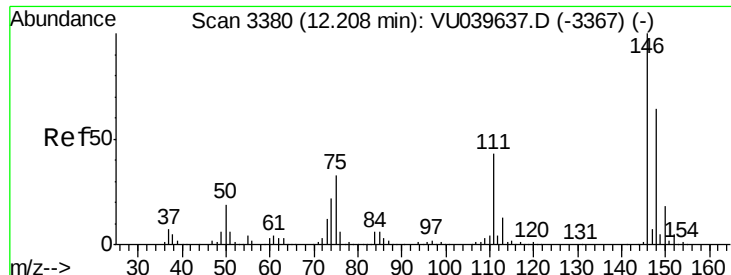
Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion:	146	Resp:	4990
Ion Ratio	Lower	Upper	
146	100		
111	54.0	27.8	51.6#
148	62.3	44.7	83.1





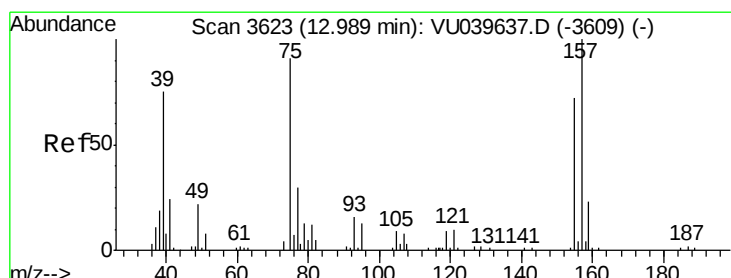
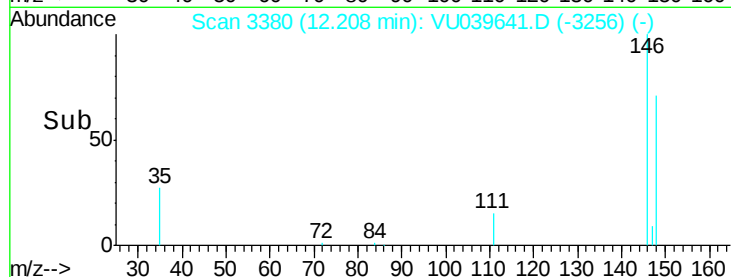
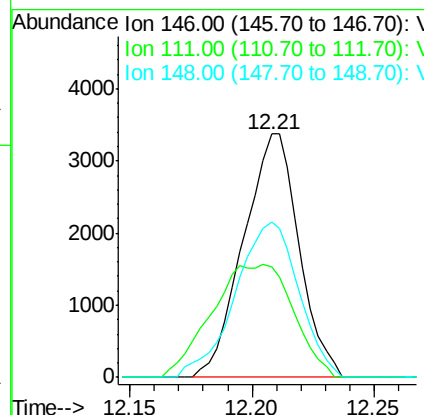
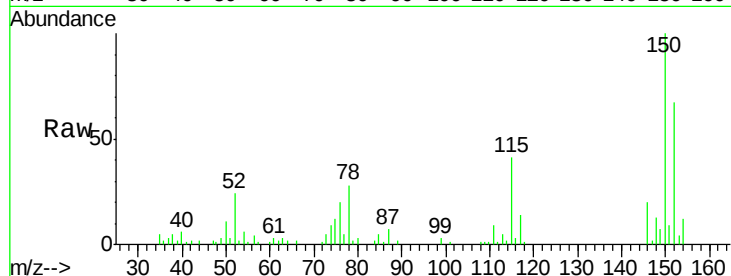
#65
 1,2-Dichlorobenzene
 Concen: 2.021 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.6	34.8	52.2
148	63.6	52.5	78.7

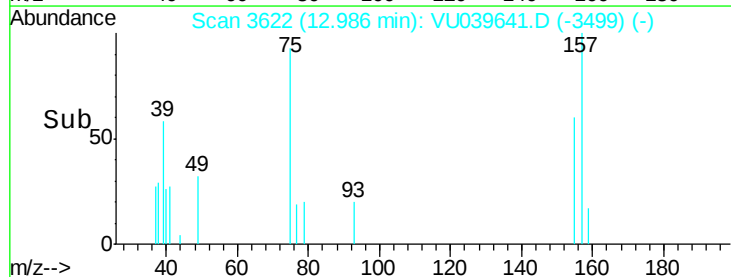
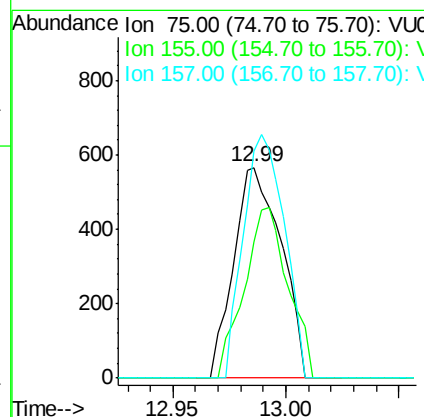
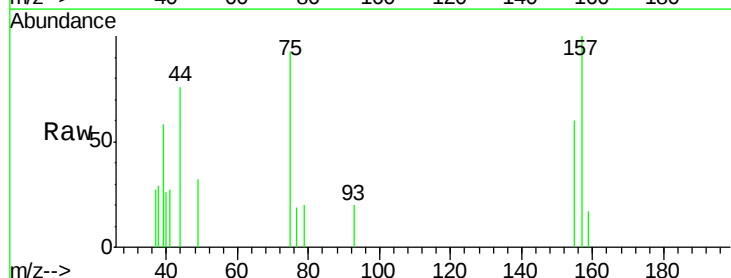
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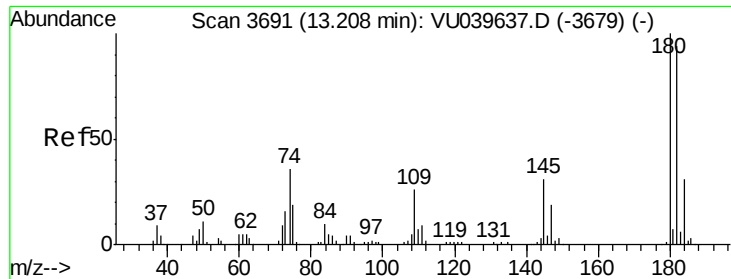
sam
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.567 ug/L m
 RT: 12.99 min Scan# 3622
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.6	62.4	93.6
157	107.8	78.9	118.3





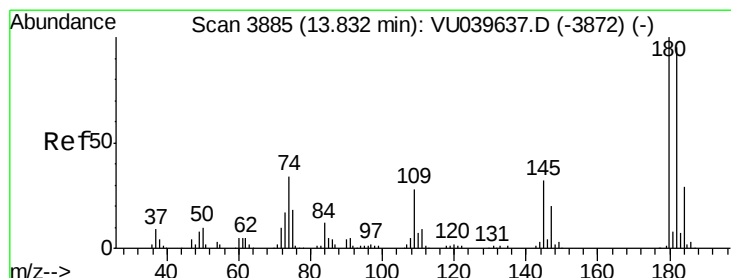
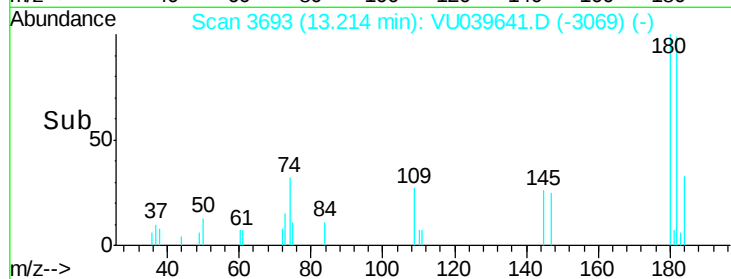
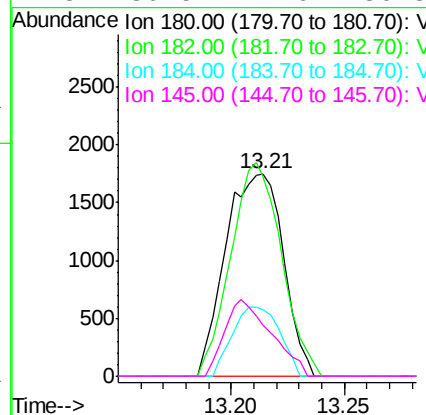
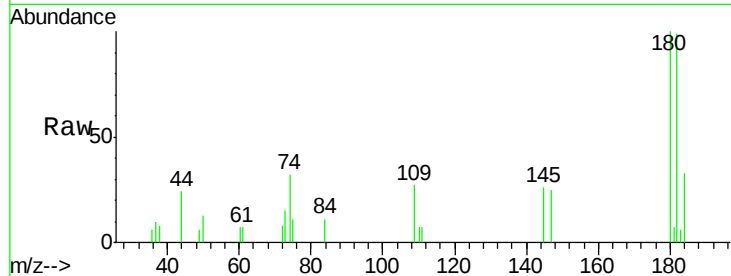
#67
 1,3,5-Trichlorobenzene
 Concen: 1.645 ug/L m
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.01 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.9	75.7	113.5
184	28.2	24.2	36.2
145	30.5	24.6	36.8

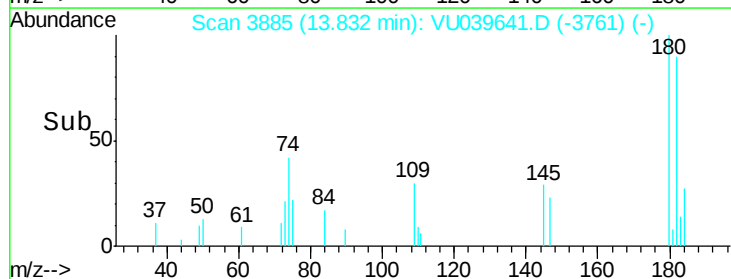
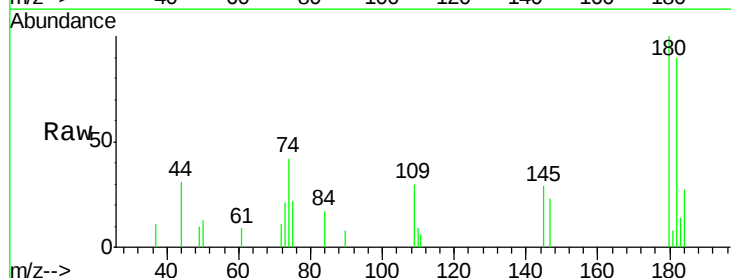
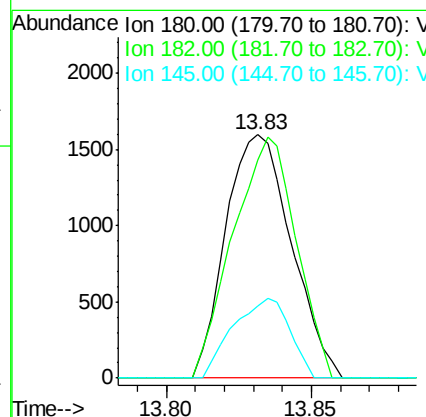
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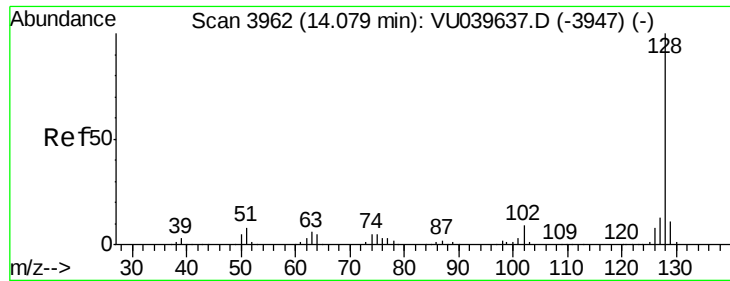
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#68
 1,2,4-trichlorobenzene
 Concen: 1.573 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039641.D
 Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	74.4	111.6
145	28.4	24.8	37.2





#69

Naphthalene

Concen: 1.602 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Instrument :

MSVOA_U

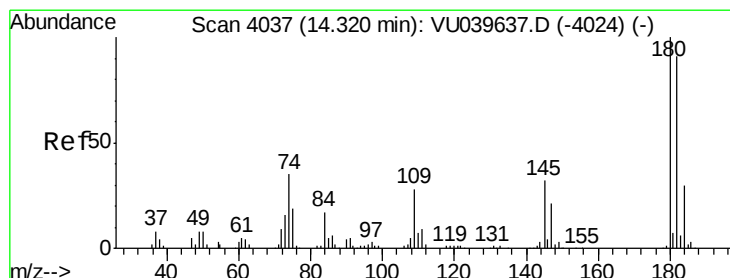
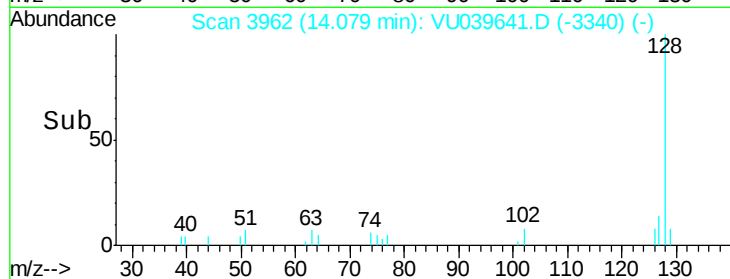
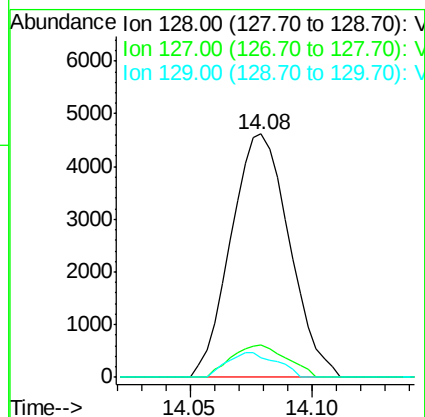
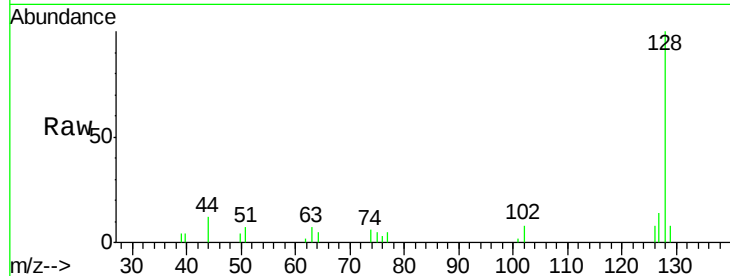
ClientSampleId :

MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.7	16.1
129	8.6	8.8	13.2

Manual Integrations
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#70

1,2,3-Trichlorobenzene

Concen: 1.680 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039641.D

Acq: 23 Jul 2020 17:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	76.6	114.8
145	33.2	27.0	40.4

