

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039652.D
 Acq On : 23 Jul 2020 21:37
 Operator : SY/MD
 Sample : MDL06
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:21 AM

Quant Time: Jul 29 15:55:09 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M

Quant Title : VOC Analysis

QLast Update : Fri Jul 24 03:36:18 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.27	114	185661	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	178756	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	82791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52166	43.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.32%
7) Chloroethane-d5	1.92	69	52120	35.98	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	71.96%
11) 1,1-Dichloroethene-d2	2.58	63	86891	33.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.92%
21) 2-Butanone-d5	4.65	46	127333	91.25	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.25%
24) Chloroform-d	5.08	84	120245	44.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.48%
26) 1,2-Dichloroethane-d4	5.72	65	87398	44.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.98%
32) Benzene-d6	5.75	84	231810	46.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	6.70	67	78083	47.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.94%
41) Toluene-d8	7.91	98	212380	45.47	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.94%
43) trans-1,3-Dichloropropene-	8.19	79	35265	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
47) 2-Hexanone-d5	8.64	63	79288	89.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	114094	44.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.52%
64) 1,2-Dichlorobenzene-d4	12.19	152	84643	46.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.50%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2283	1.805 ug/L	97
3) Chloromethane	1.53	50	3069	2.336 ug/L	100
5) Vinyl chloride	1.61	62	2765	2.071 ug/L #	73
6) Bromomethane	1.86	94	2471	2.463 ug/L	84
8) Chloroethane	1.94	64	2069	1.742 ug/L #	76
9) Trichlorofluoromethane	2.15	101	4998	2.118 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2757	2.428 ug/L	85
12) 1,1-Dichloroethene	2.59	96	3068	2.897 ug/L #	1
13) Acetone	2.65	43	3620m	3.898 ug/L	
14) Carbon disulfide	2.81	76	6361	1.877 ug/L #	93
15) Methyl Acetate	2.97	43	3181	1.912 ug/L	97
16) Methylene chloride	3.06	84	2753	2.170 ug/L	92
17) trans-1,2-Dichloroethene	3.38	96	2269	1.925 ug/L	89
18) Methyl tert-butyl Ether	3.39	73	7566	1.987 ug/L	97
19) 1,1-Dichloroethane	3.90	63	4548	1.977 ug/L	99
20) cis-1,2-Dichloroethene	4.69	96	2675	1.986 ug/L	95
22) 2-Butanone	4.73	43	4713	3.601 ug/L #	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.99	128	1345	1.987	ug/L	88
25) Chloroform	5.11	83	9807	3.844	ug/L	99
27) 1,2-Dichloroethane	5.81	62	4616	2.182	ug/L #	91
29) Cyclohexane	5.41	56	3844	1.979	ug/L #	80
30) 1,1,1-Trichloroethane	5.34	97	4388	2.050	ug/L	94
31) Carbon tetrachloride	5.54	117	3563m	2.007	ug/L	
33) Benzene	5.79	78	10262	2.083	ug/L	100
34) Trichloroethene	6.56	95	2664	2.044	ug/L	93
35) Methylcyclohexane	6.78	83	3808	1.890	ug/L #	83
37) 1,2-Dichloropropane	6.81	63	2856	2.141	ug/L #	89
38) Bromodichloromethane	7.12	83	3643	2.057	ug/L #	93
39) cis-1,3-Dichloropropene	7.62	75	4007	2.010	ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	8849	3.808	ug/L	100
42) Toluene	7.98	91	11376	2.100	ug/L	96
44) trans-1,3-Dichloropropene	8.21	75	3434	1.759	ug/L	94
45) 1,1,2-Trichloroethane	8.41	97	2425	1.906	ug/L	88
46) Tetrachloroethene	8.56	164	1802	1.828	ug/L	94
48) 2-Hexanone	8.69	43	11105	5.865	ug/L	96
49) Dibromochloromethane	8.82	129	2559	1.782	ug/L	97
50) 1,2-Dibromoethane	8.93	107	2939	2.077	ug/L #	86
51) Chlorobenzene	9.45	112	7082	2.049	ug/L	90
52) Ethylbenzene	9.57	91	12134	2.027	ug/L	90
53) m,p-Xylene	9.70	106	4266	1.890	ug/L	88
54) o-xylene	10.10	106	3978	1.837	ug/L	100
55) Styrene	10.12	104	6575	1.754	ug/L	94
56) Isopropylbenzene	10.48	105	9922	1.688	ug/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4730	2.040	ug/L	99
59) 1,2,3-Trichloropropane	10.82	75	3813	1.970	ug/L	96
61) Bromoform	10.29	173	1765	1.802	ug/L #	88
62) 1,3-Dichlorobenzene	11.74	146	4994	1.969	ug/L	100
63) 1,4-Dichlorobenzene	11.83	146	5252	2.067	ug/L	94
65) 1,2-Dichlorobenzene	12.21	146	5515	2.152	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	907m	1.769	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3601	1.969	ug/L	95
68) 1,2,4-trichlorobenzene	13.83	180	2841	1.830	ug/L	96
69) Naphthalene	14.08	128	7300	1.568	ug/L	95
70) 1,2,3-Trichlorobenzene	14.32	180	3071	1.959	ug/L	90

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

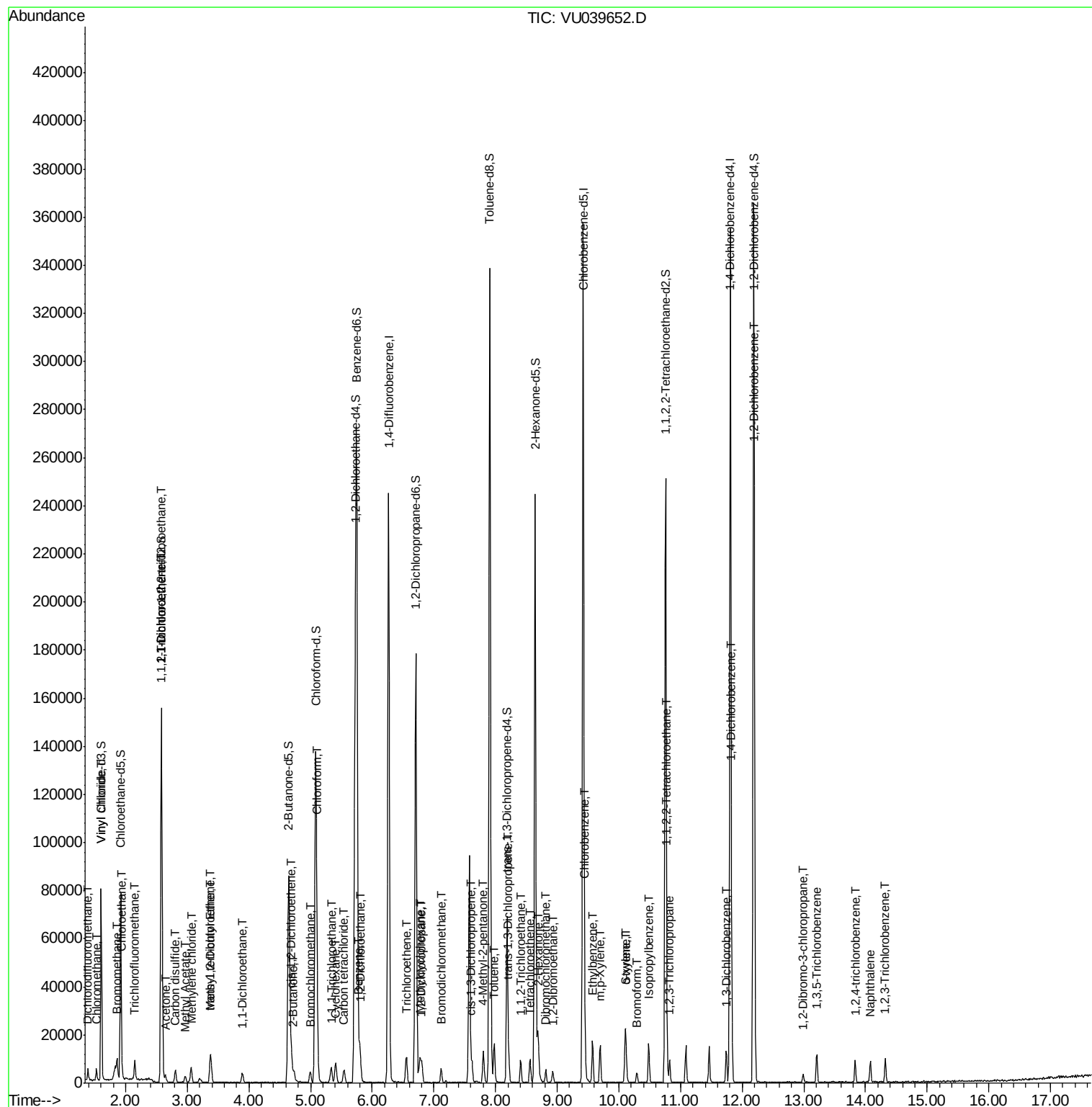
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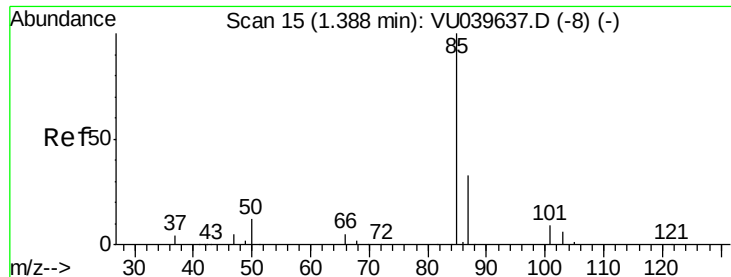
Instrument :
MSVOA_U
ClientSampled :
MDL06

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#2

Dichlorodifluoromethane

Concen: 1.805 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 85 Resp: 2283

Ion Ratio Lower Upper

85 100

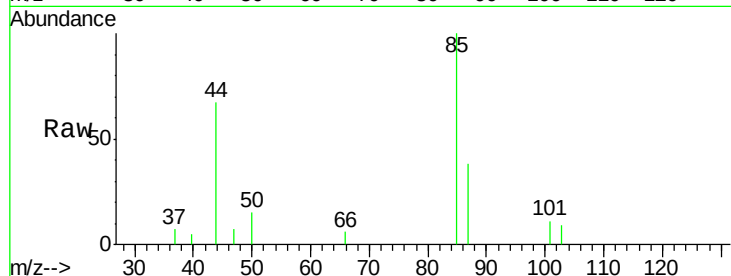
87 34.4 26.2 39.4

Manual Integrations

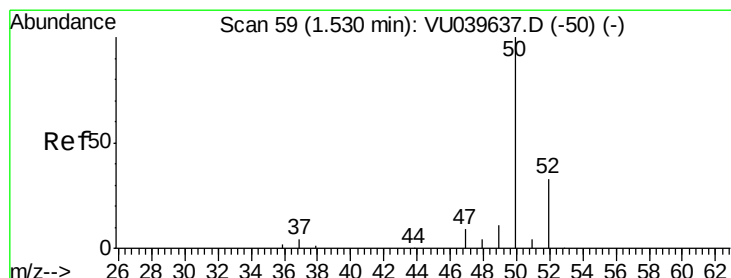
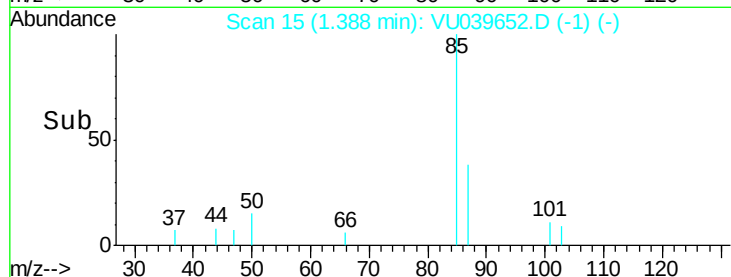
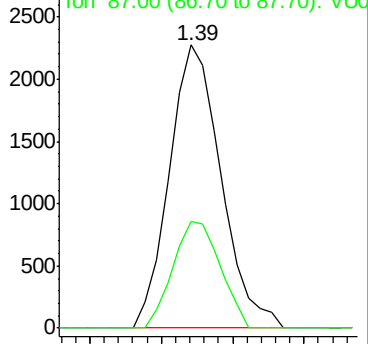
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Abundance Ion 85.00 (84.70 to 85.70): VU039637.D (-8) (-)



#3

Chloromethane

Concen: 2.336 ug/L

RT: 1.53 min Scan# 59

Delta R.T. -0.00 min

Lab File: VU039652.D

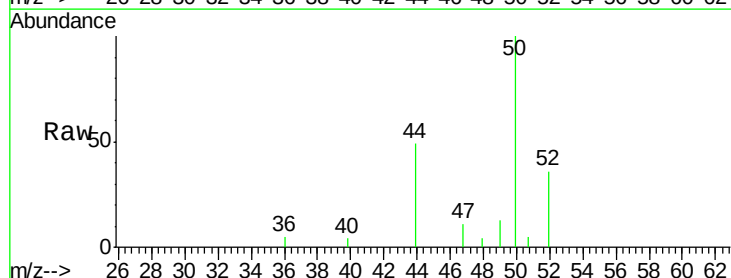
Acq: 23 Jul 2020 21:37

Tgt Ion: 50 Resp: 3069

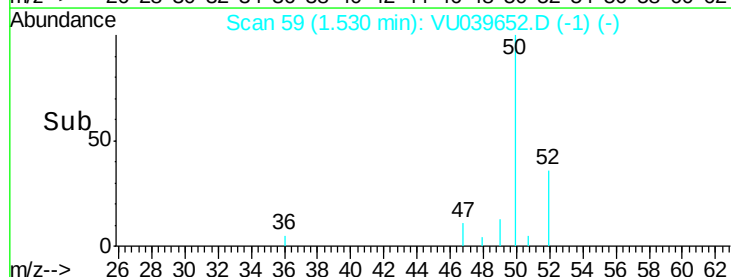
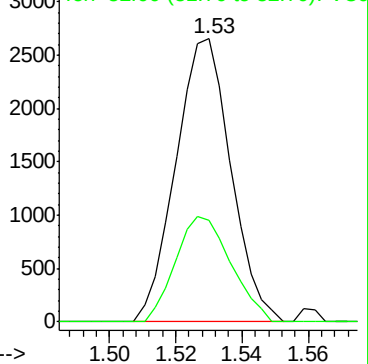
Ion Ratio Lower Upper

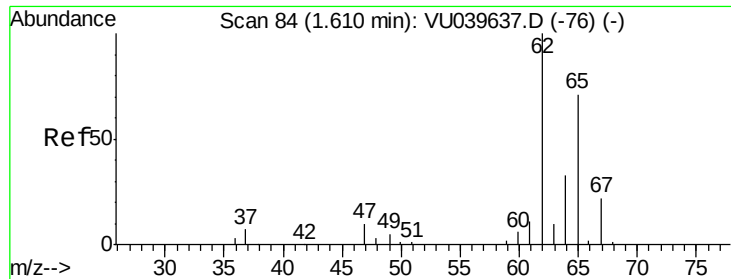
50 100

52 34.1 24.0 44.6



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





#5

Vinyl chloride

Concen: 2.071 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 62 Resp: 2765

Ion Ratio Lower Upper

62 100

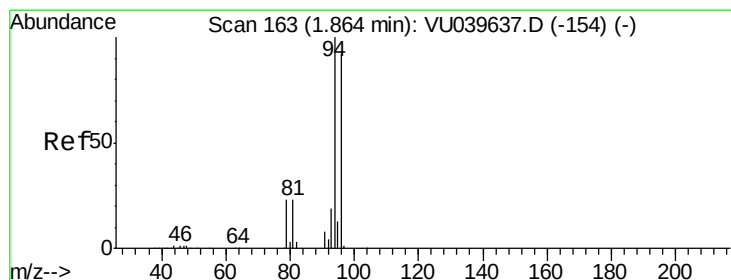
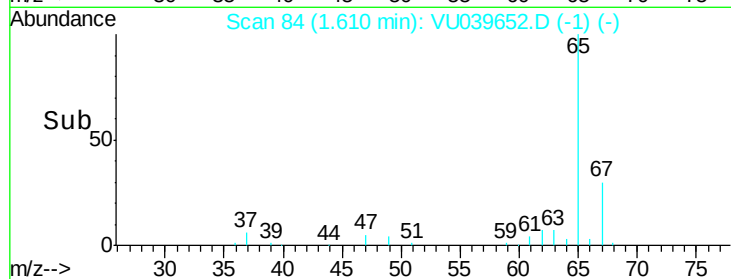
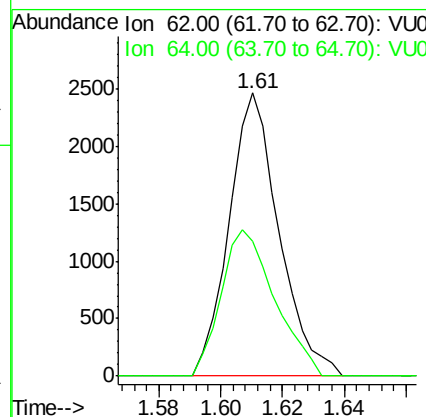
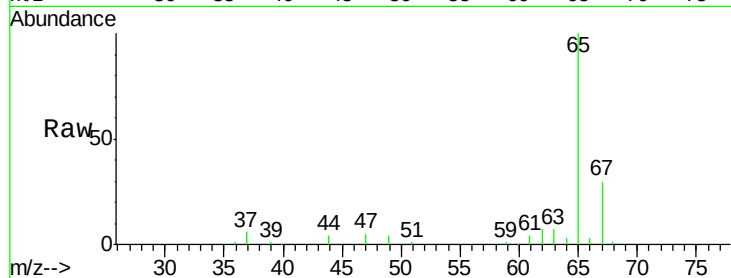
64 47.6 22.8 42.4#

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#6

Bromomethane

Concen: 2.463 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039652.D

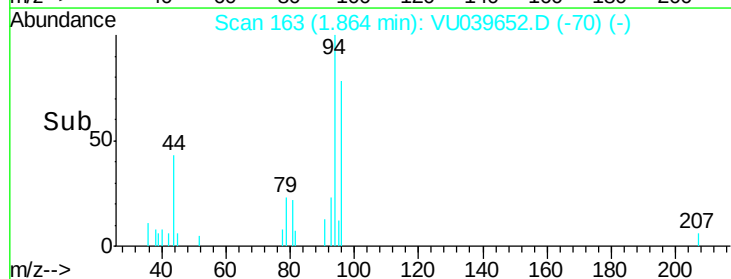
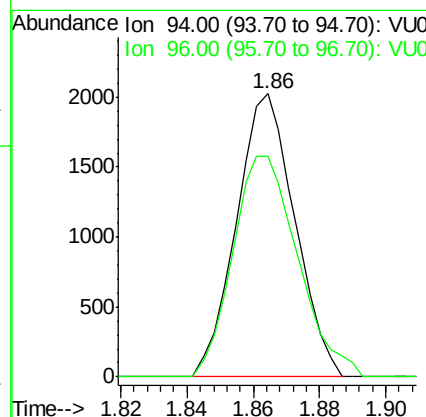
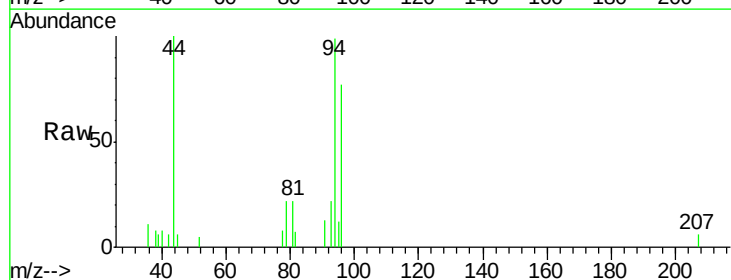
Acq: 23 Jul 2020 21:37

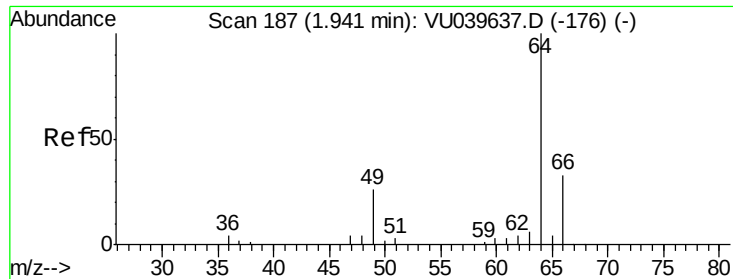
Tgt Ion: 94 Resp: 2471

Ion Ratio Lower Upper

94 100

96 78.2 65.7 122.1





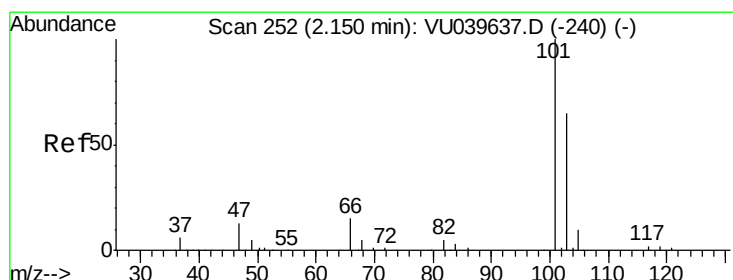
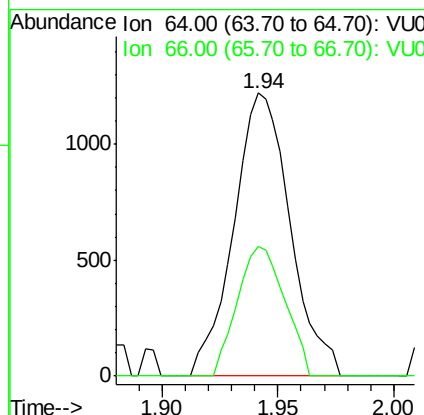
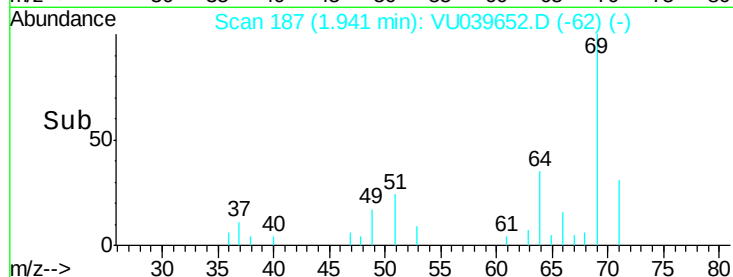
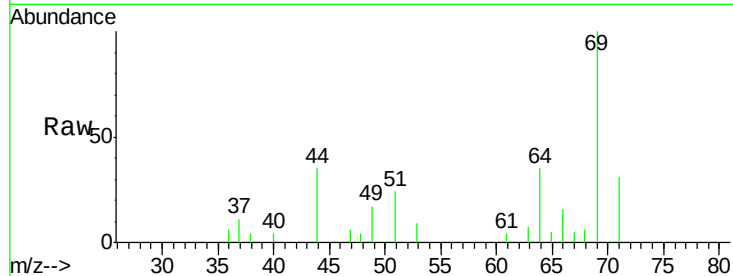
#8
Chloroethane
Concen: 1.742 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion: 64 Resp: 2069
Ion Ratio Lower Upper
64 100
66 45.7 22.7 42.1#

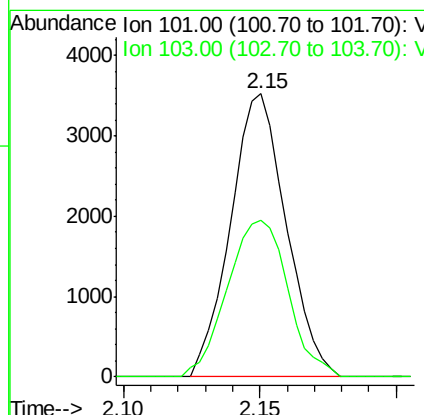
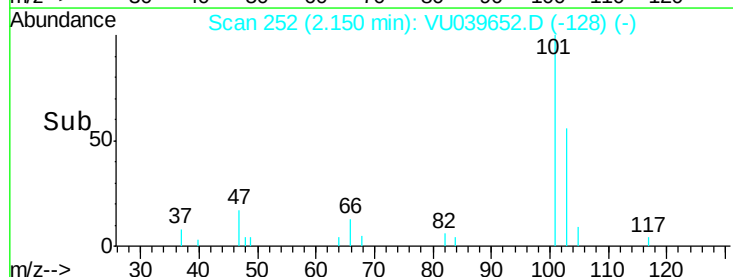
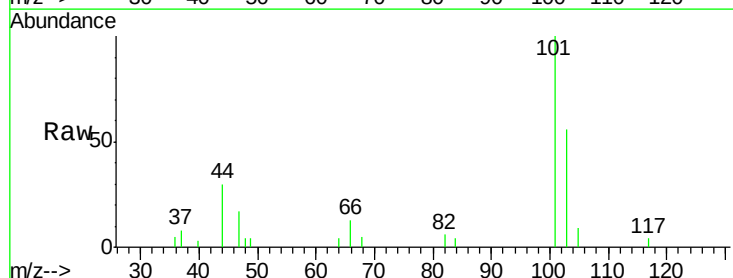
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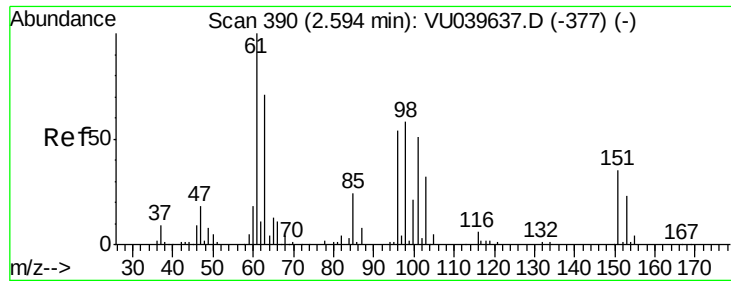
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#9
Trichlorofluoromethane
Concen: 2.118 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 101 Resp: 4998
Ion Ratio Lower Upper
101 100
103 60.2 52.8 79.2





#10

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

Concen: 2.428 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

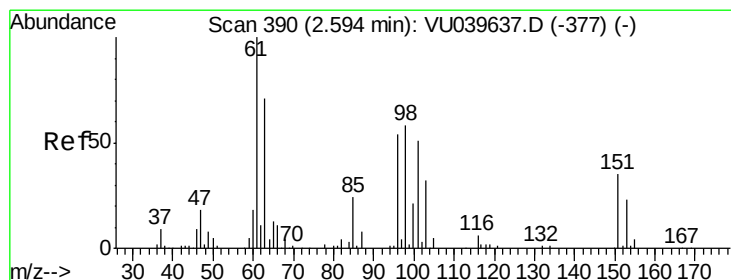
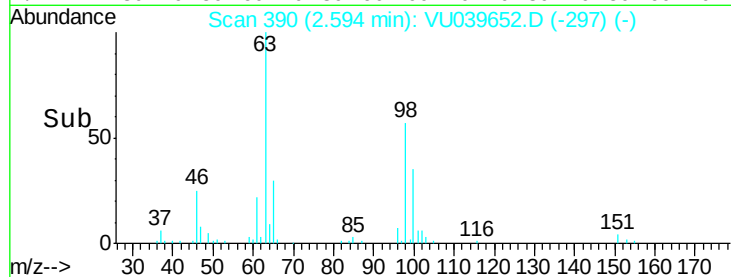
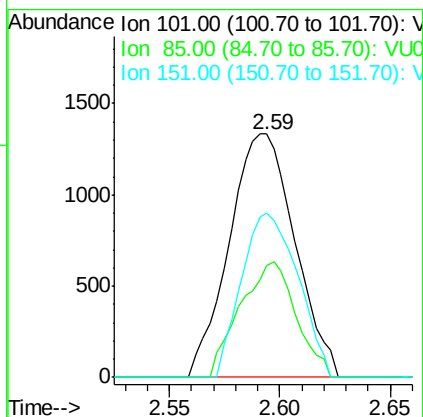
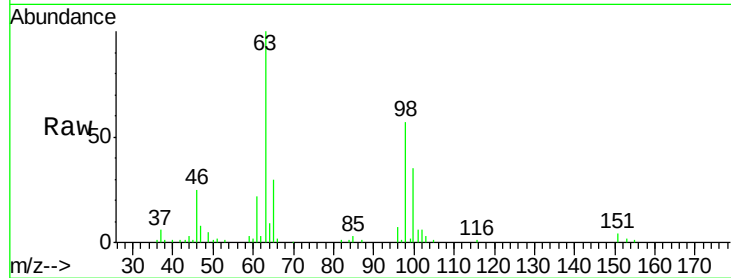
ClientSampled :

MDL06

Tot Ion:	101	Resp:	2757
Ion Ratio	Lower	Upper	
101	100		
85	40.4	39.7	59.5
151	58.0	57.4	86.2

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#12

1,1-Dichloroethene

Concen: 2.897 ug/L

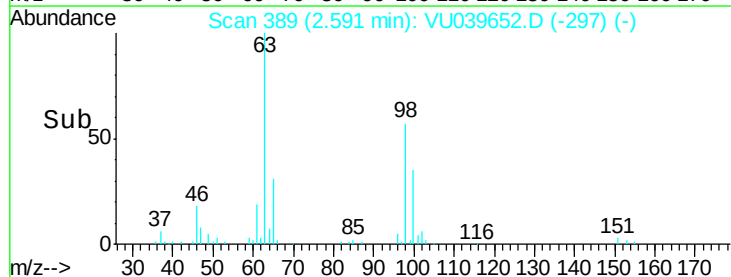
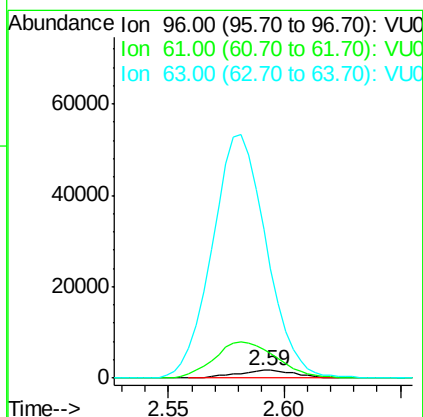
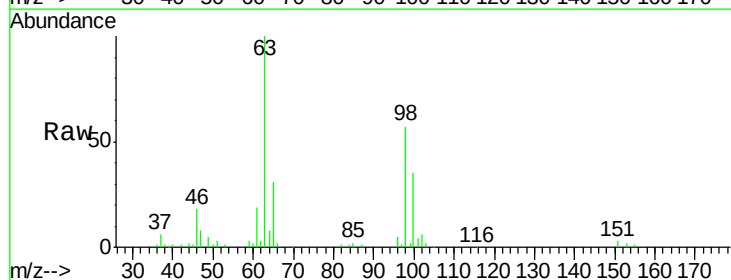
RT: 2.59 min Scan# 389

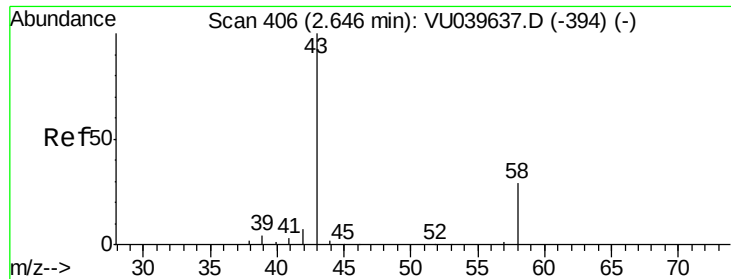
Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Tgt Ion:	96	Resp:	3068
Ion Ratio	Lower	Upper	
96	100		
61	360.6	136.6	253.6#
63	1860.4	97.2	180.6#





#13

Acetone

Concen: 3.898 ug/L m

RT: 2.65 min Scan# 406

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 43 Resp: 3620

Ion Ratio Lower Upper

43 100

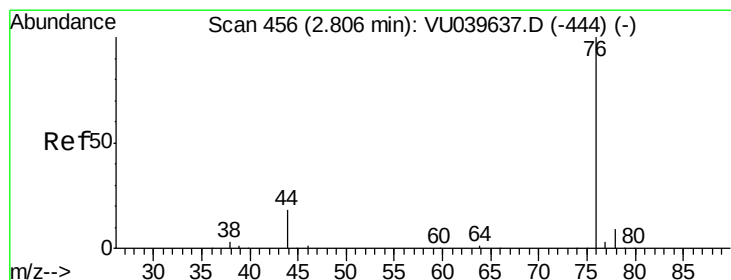
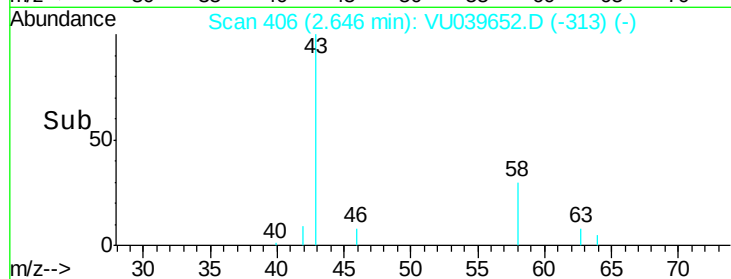
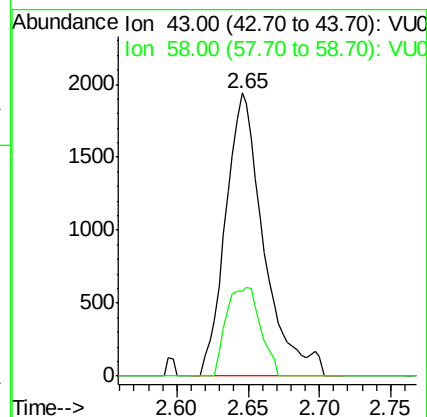
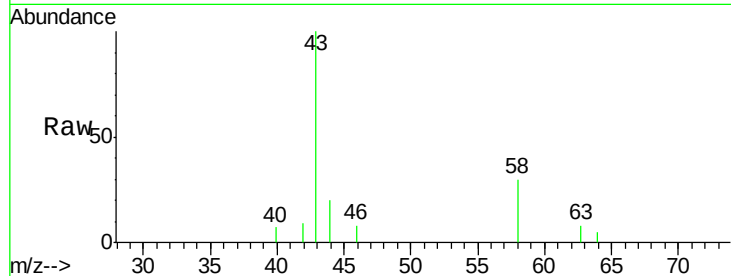
58 28.0 0.0 59.4

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#14

Carbon disulfide

Concen: 1.877 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039652.D

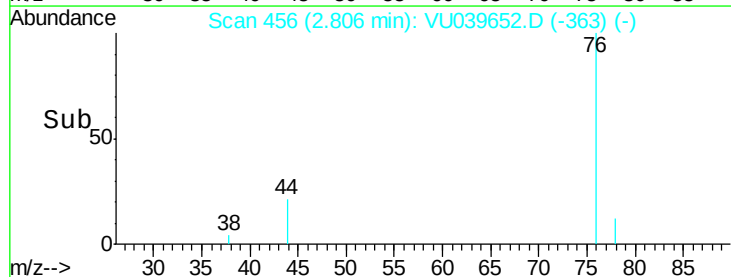
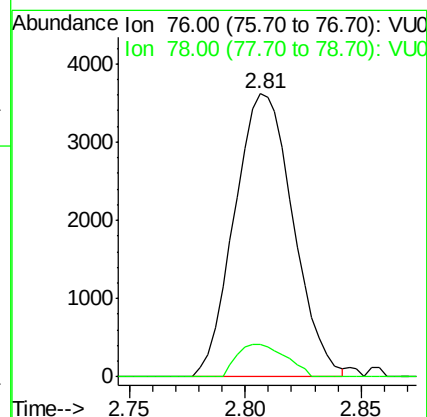
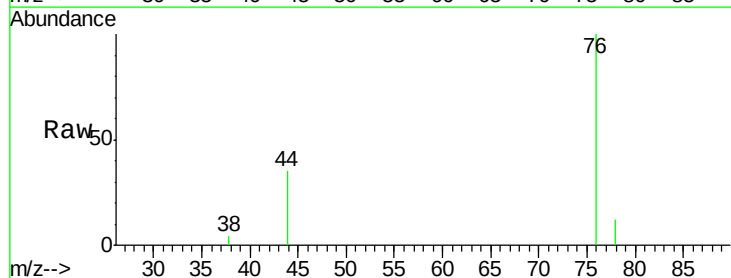
Acq: 23 Jul 2020 21:37

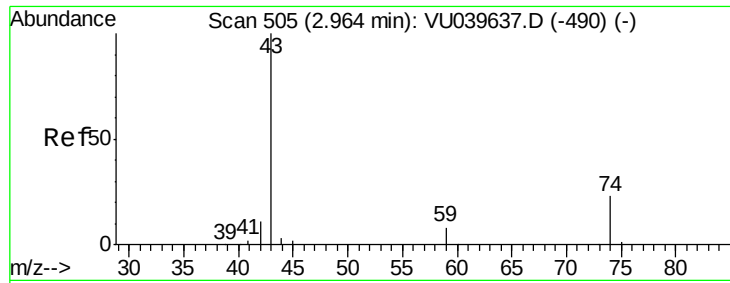
Tgt Ion: 76 Resp: 6361

Ion Ratio Lower Upper

76 100

78 11.6 7.3 10.9#





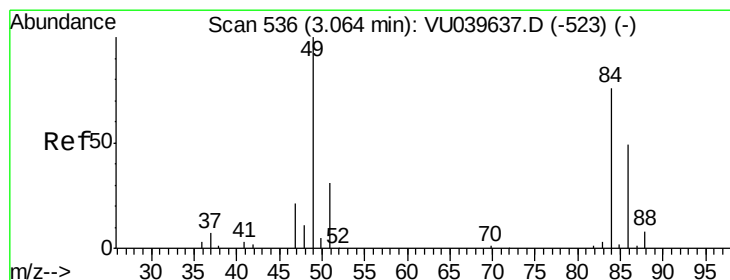
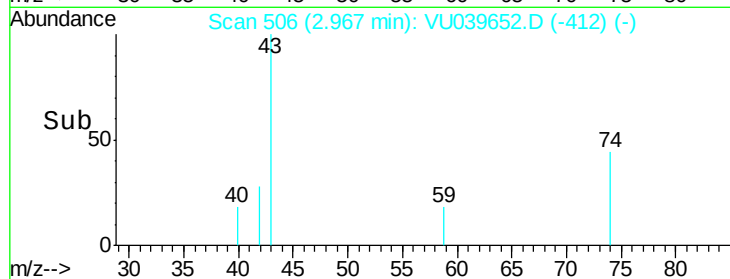
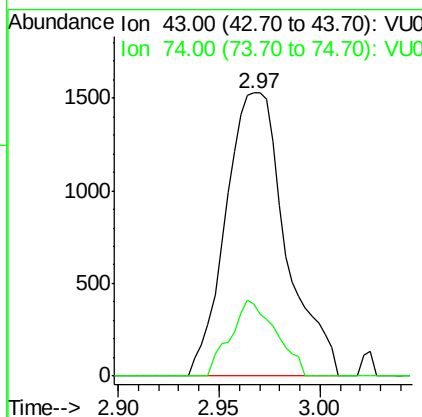
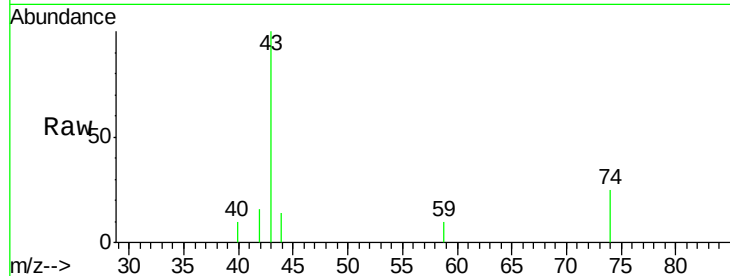
#15
Methvl Acetate
Concen: 1.912 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
74 20.4 17.4 26.0

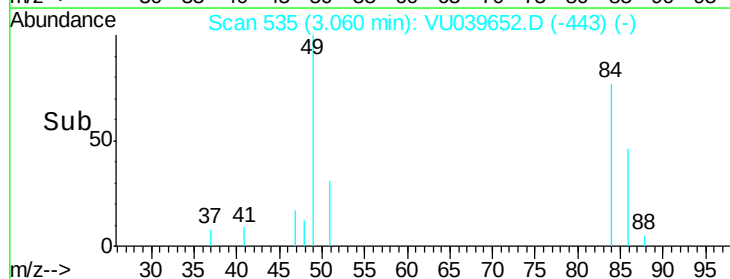
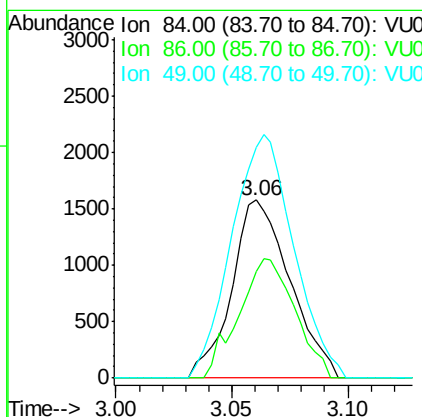
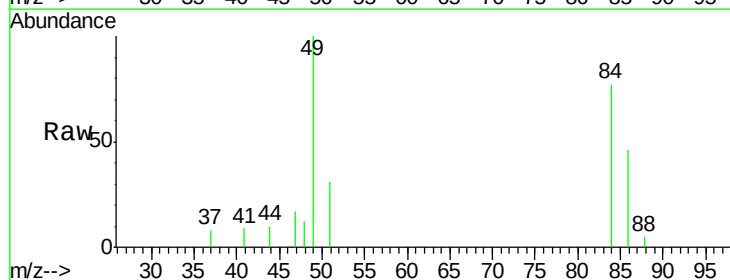
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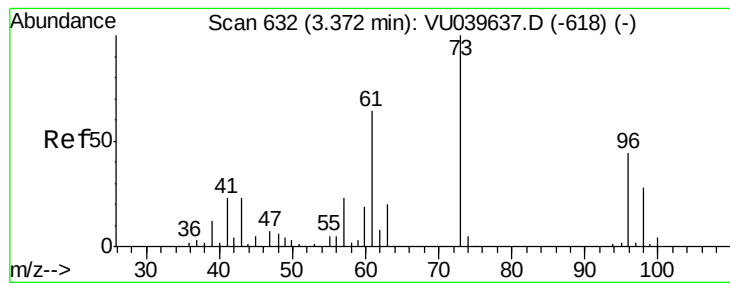
sam
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#16
Methylene chloride
Concen: 2.170 ug/L
RT: 3.06 min Scan# 535
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 84 Resp: 2753
Ion Ratio Lower Upper
84 100
86 59.9 46.2 85.8
49 129.8 97.3 180.7





#17

trans-1,2-Dichloroethene

Concen: 1.925 ug/L

RT: 3.38 min Scan# 633

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

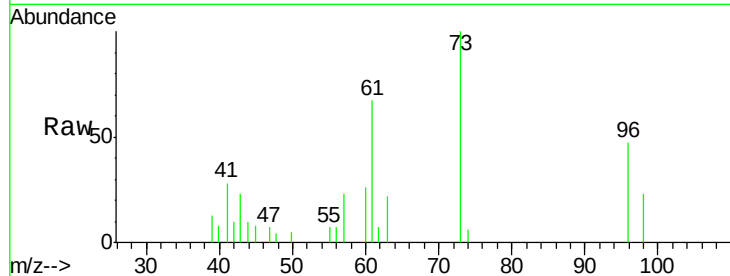
ClientSampled :

MDL06

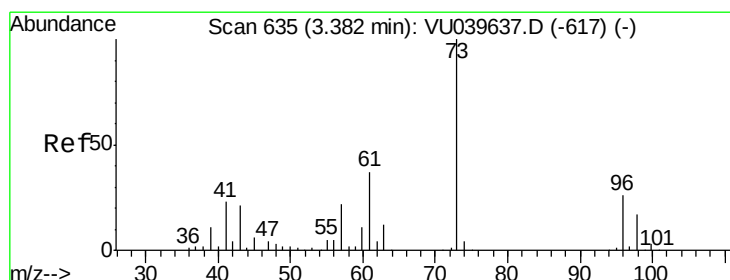
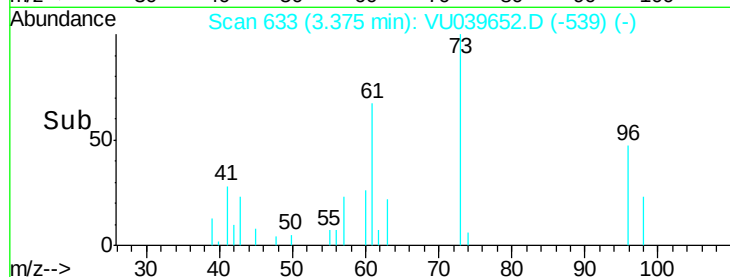
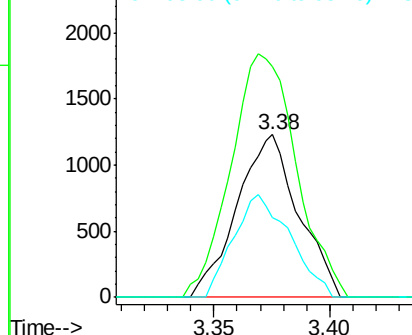
Tot Ion:	96	Resp:	2269
Ion	Ratio	Lower	Upper
96	100		
61	142.1	106.7	198.1
98	49.3	44.3	82.3

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Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 1.987 ug/L

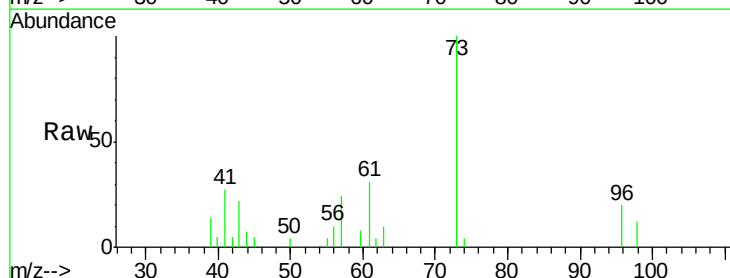
RT: 3.39 min Scan# 636

Delta R.T. 0.00 min

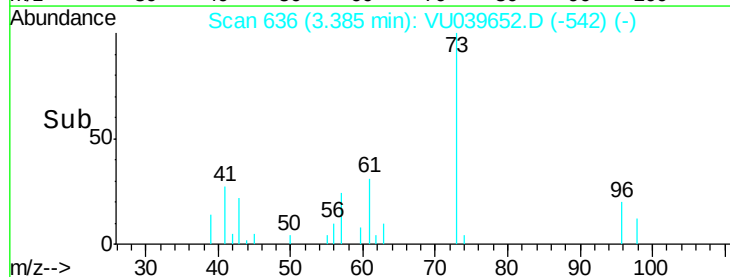
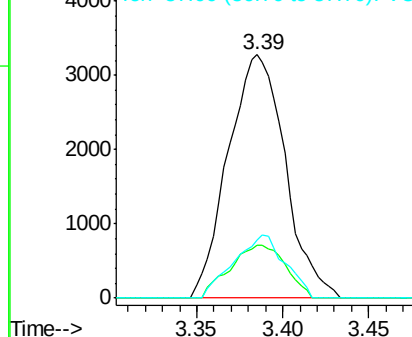
Lab File: VU039652.D

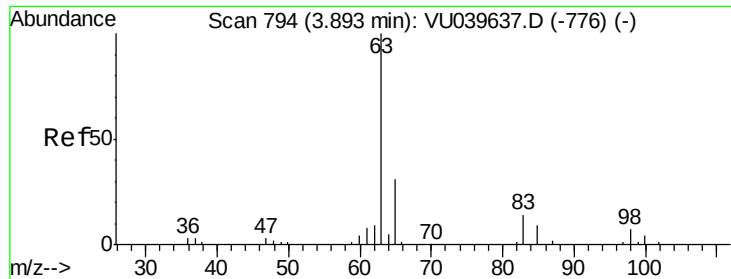
Acq: 23 Jul 2020 21:37

Tgt Ion:	73	Resp:	7566
Ion	Ratio	Lower	Upper
73	100		
43	21.2	18.2	27.2
57	23.3	17.4	26.2



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





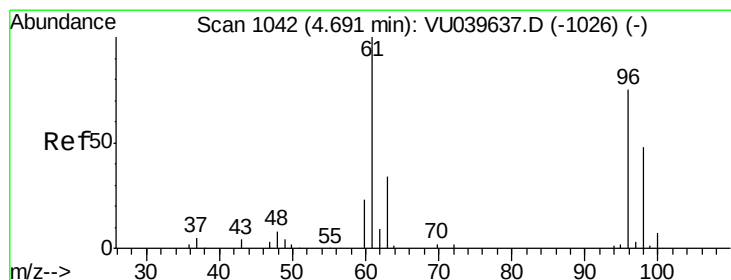
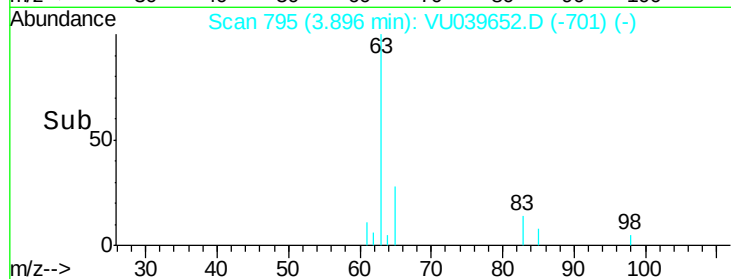
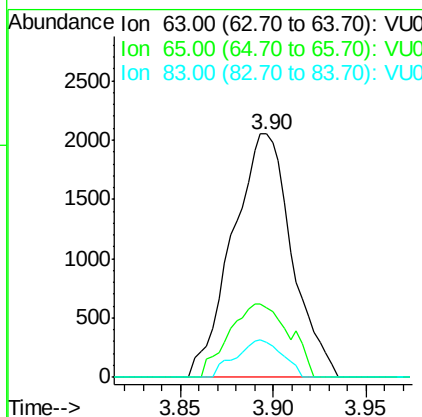
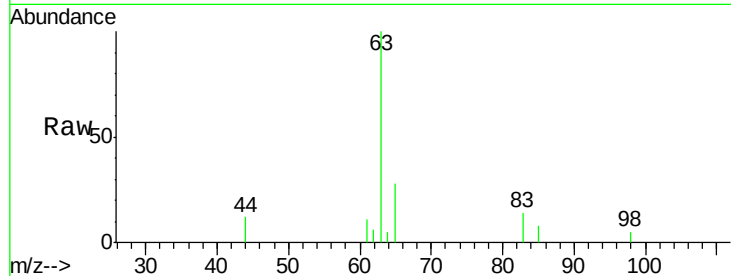
#19
 1,1-Dichloroethane
 Concen: 1.977 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.3	20.4	38.0
83	14.2	9.7	18.1

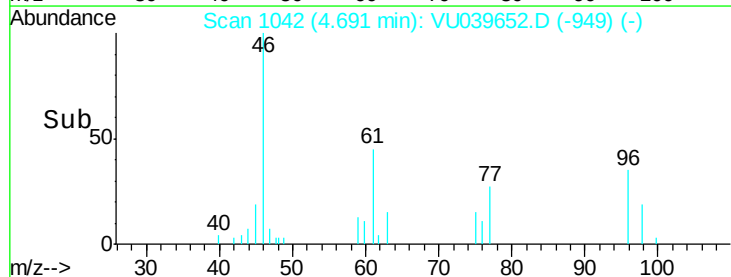
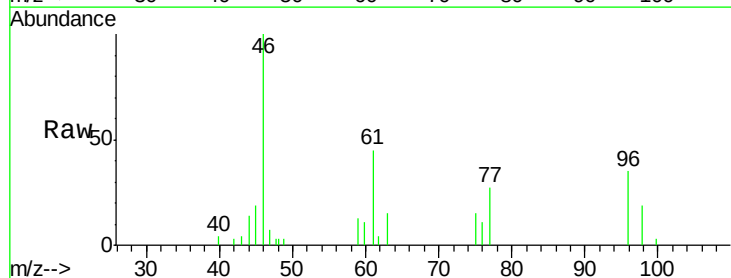
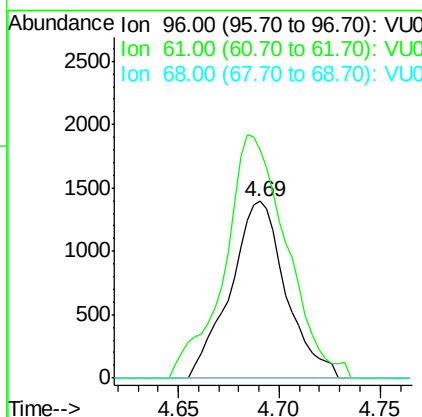
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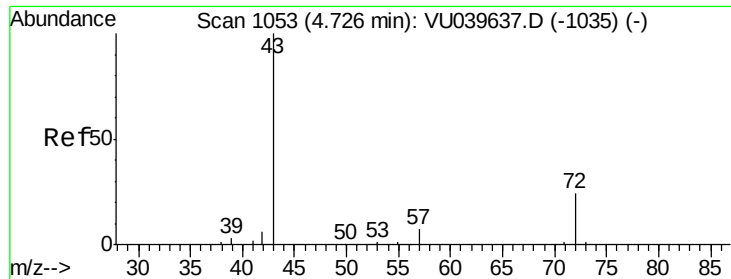
sam
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#20
 cis-1,2-Dichloroethene
 Concen: 1.986 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.7	94.0	174.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 3.601 ug/L

RT: 4.73 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampled :

MDL06

Tot Ion: 43 Resp: 4713

Ion Ratio Lower Upper

43 100

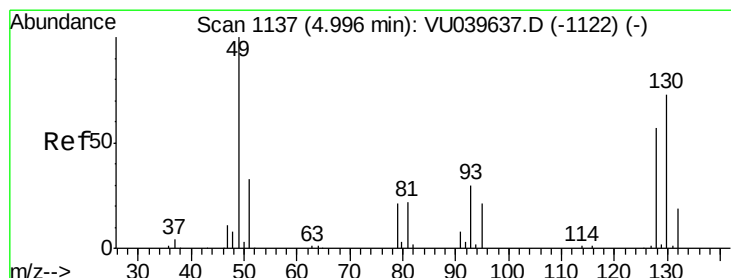
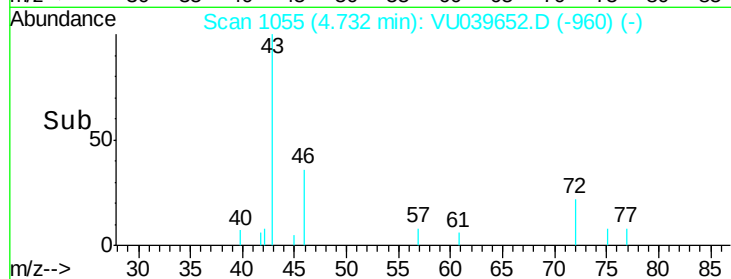
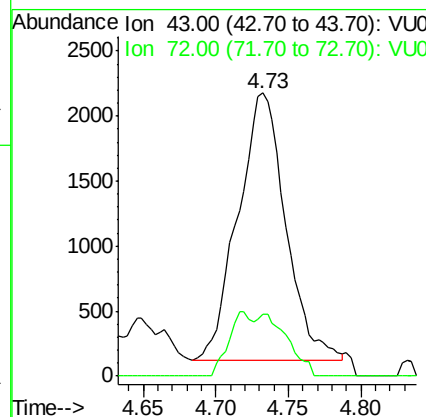
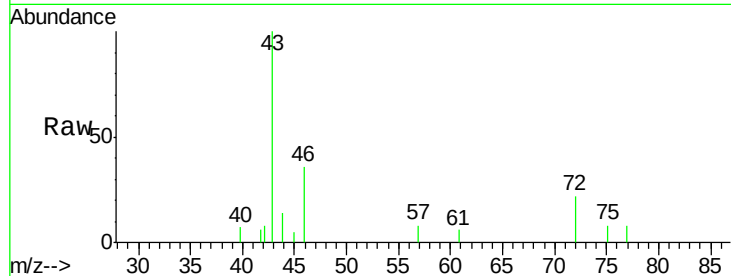
72 12.2 12.8 38.3#

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#23

Bromochloromethane

Concen: 1.987 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Tgt Ion: 128 Resp: 1345

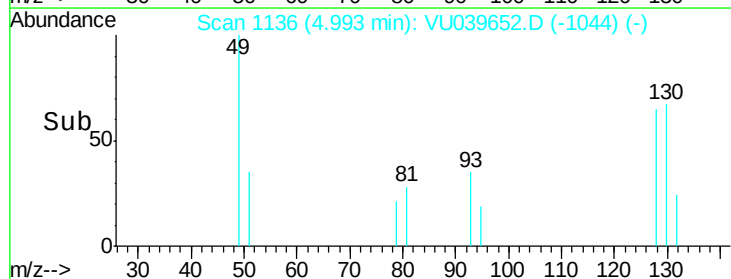
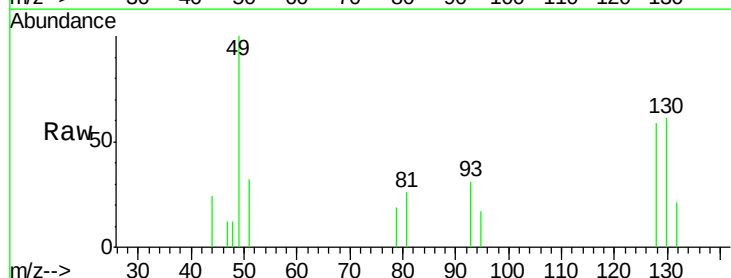
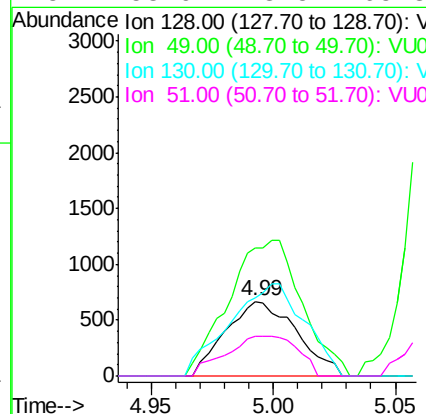
Ion Ratio Lower Upper

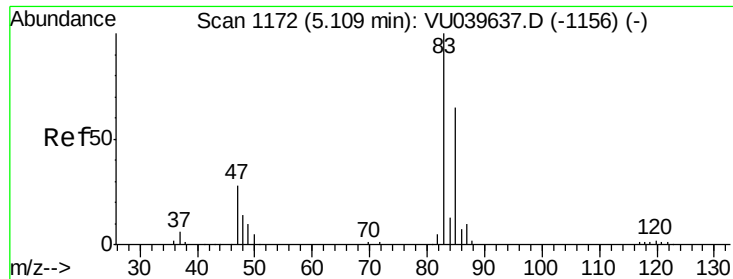
128 100

49 170.9 124.5 231.3

130 104.2 94.4 175.2

51 53.9 43.5 65.3





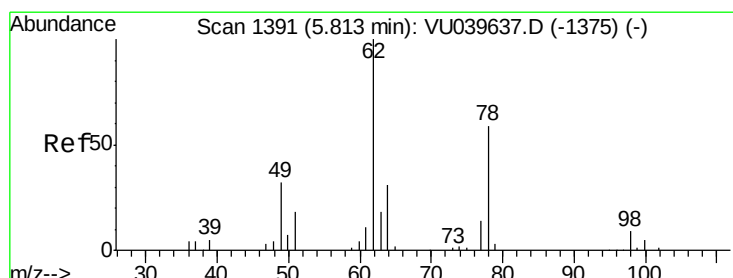
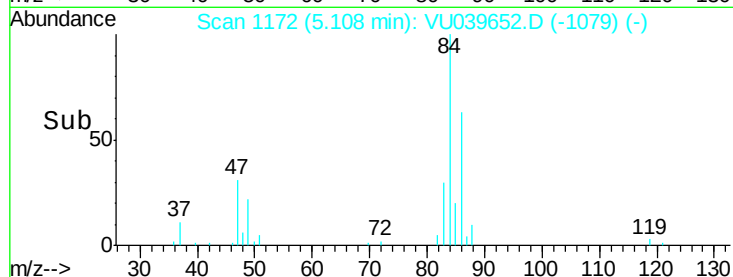
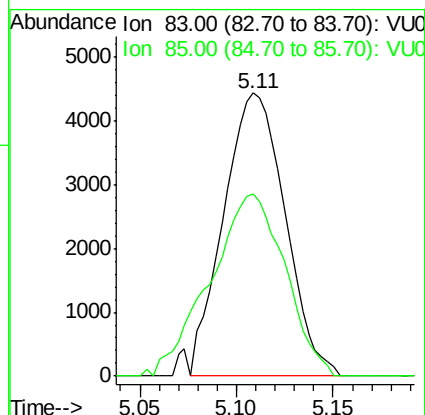
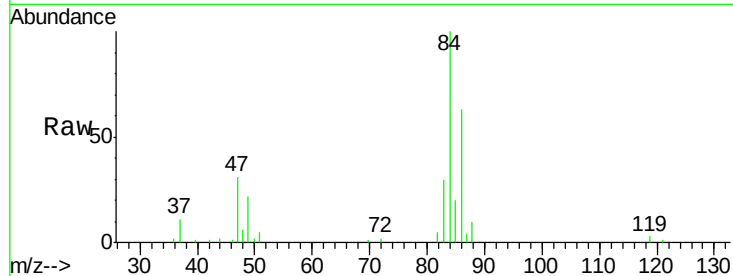
#25
Chloroform
Concen: 3.844 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion: 83 Resp: 9807
Ion Ratio Lower Upper
83 100
85 64.5 45.6 84.6

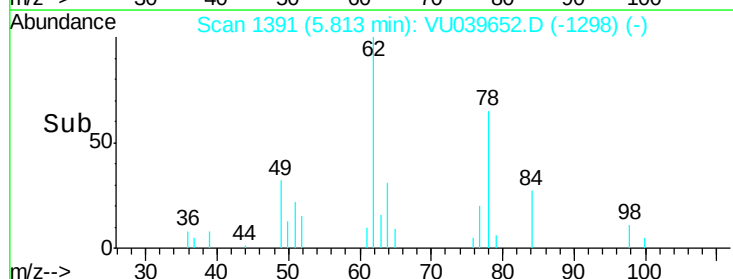
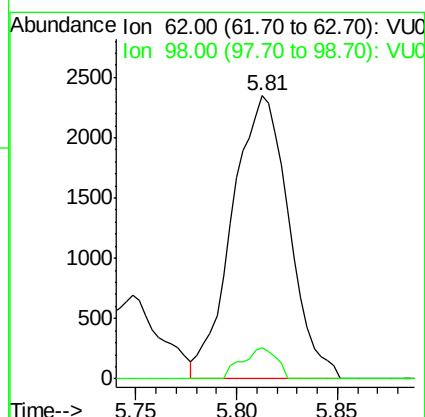
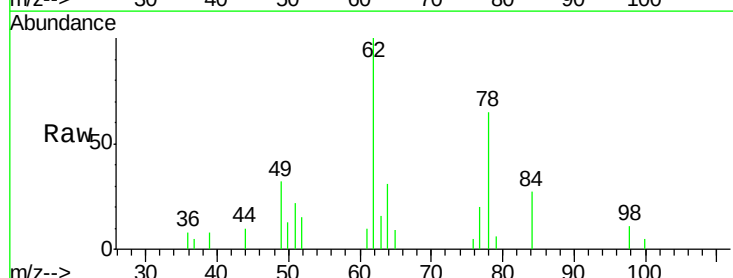
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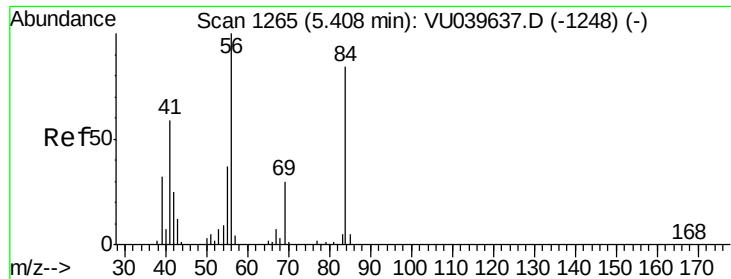
sam
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#27
1,2-Dichloroethane
Concen: 2.182 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion: 62 Resp: 4616
Ion Ratio Lower Upper
62 100
98 11.1 6.4 9.6#





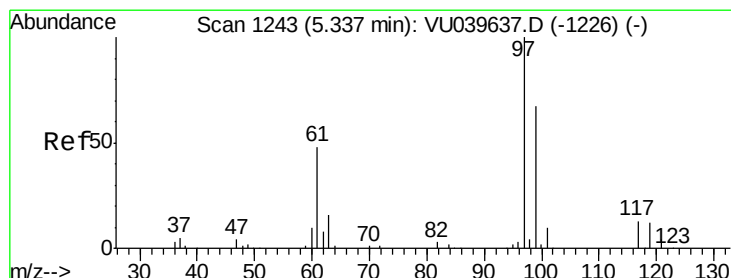
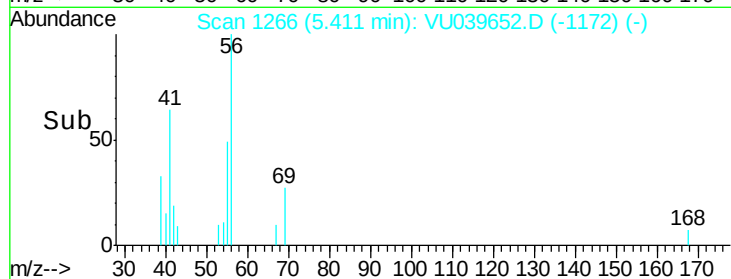
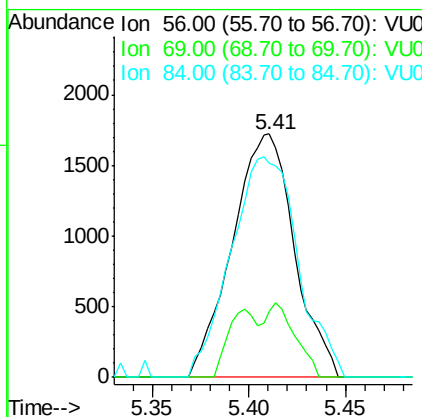
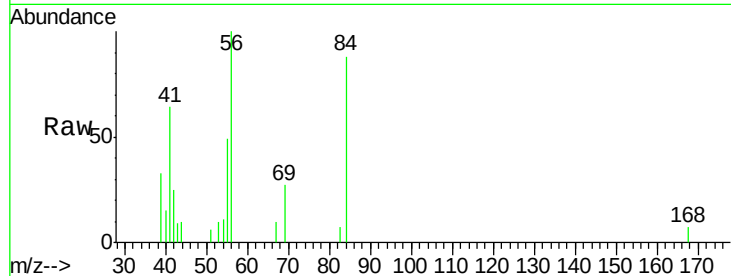
#29
Cyclohexane
Concen: 1.979 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
56	100		
69	15.3	23.9	35.9#
84	97.9	65.8	98.8

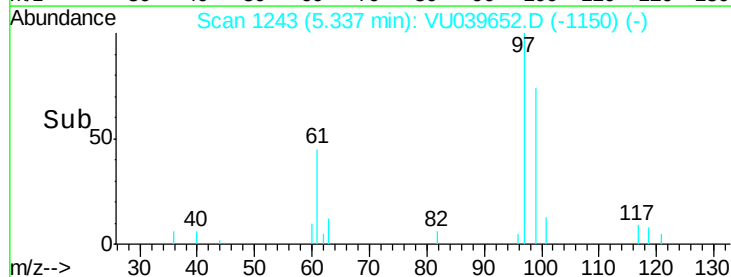
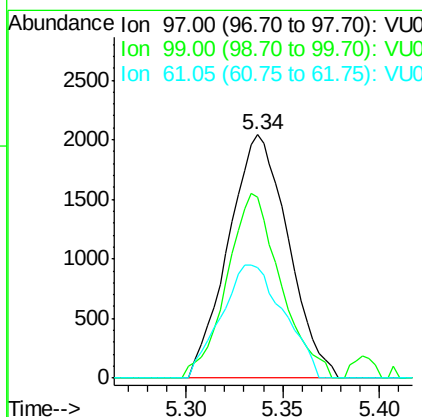
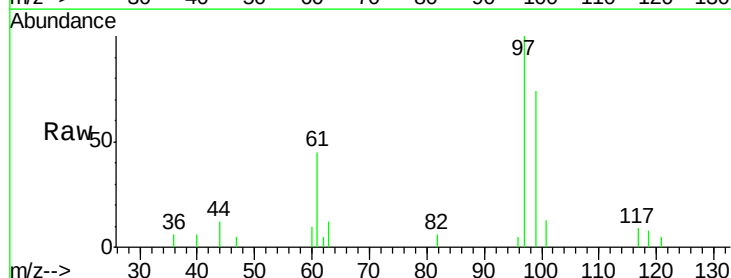
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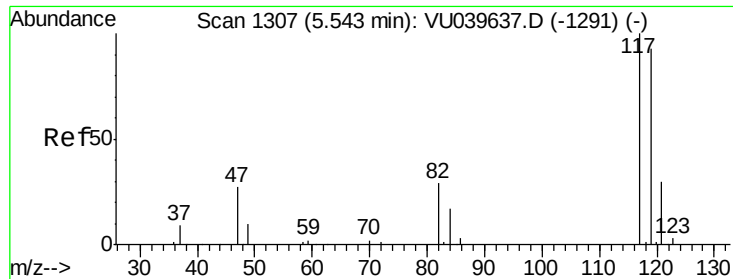
sam
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#30
1,1,1-Trichloroethane
Concen: 2.050 ug/L
RT: 5.34 min Scan# 1243
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.3	50.3	75.5
61	48.6	36.0	54.0





#31

Carbon tetrachloride

Concen: 2.007 ug/L m

RT: 5.54 min Scan# 1306

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion:117 Resp: 3563

Ion Ratio Lower Upper

117 100

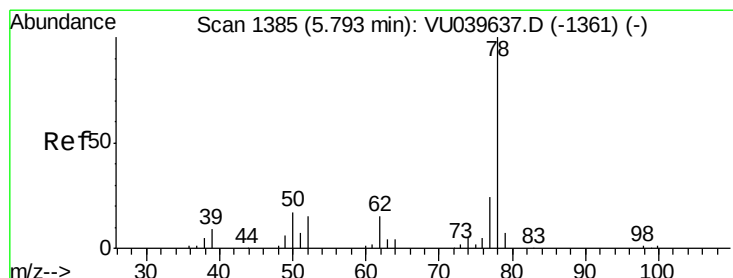
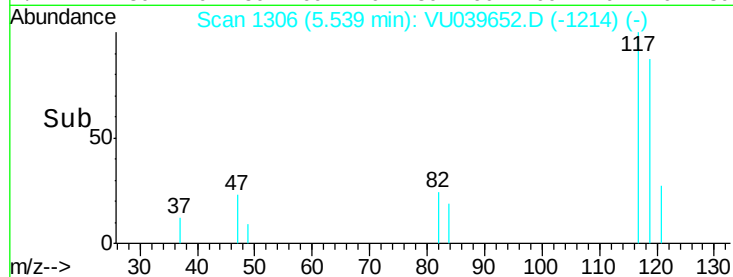
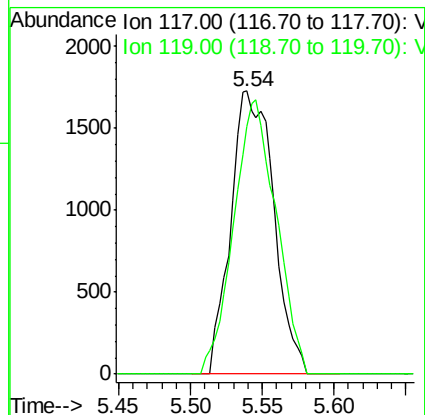
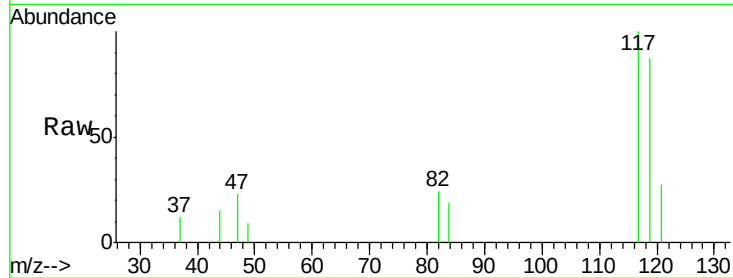
119 6.4 78.2 117.4#

Manual Integrations

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#33

Benzene

Concen: 2.083 ug/L

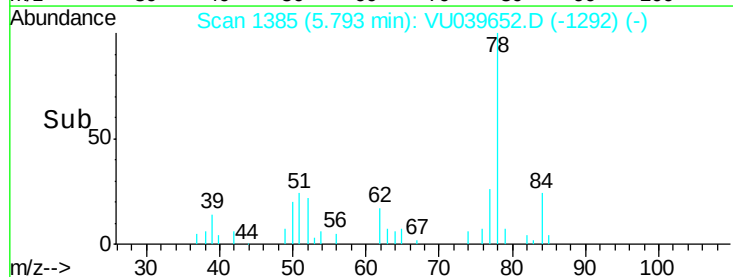
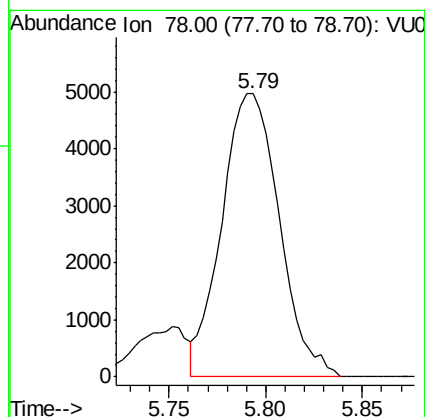
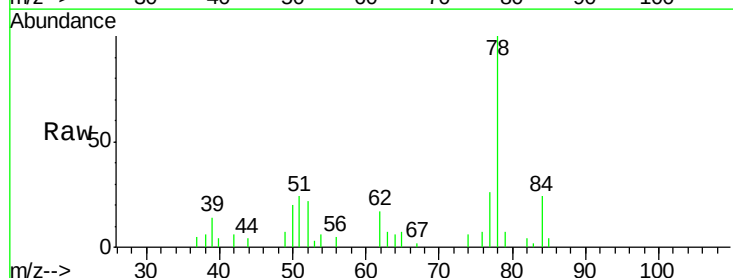
RT: 5.79 min Scan# 1385

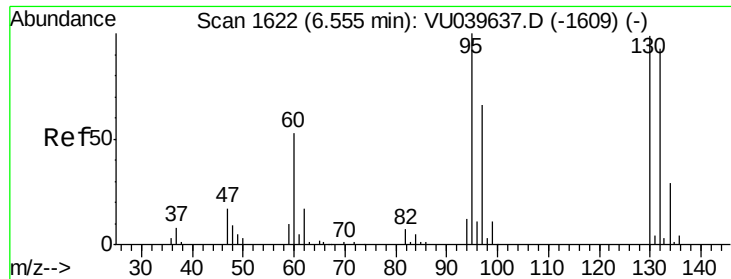
Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Tgt Ion: 78 Resp: 10262





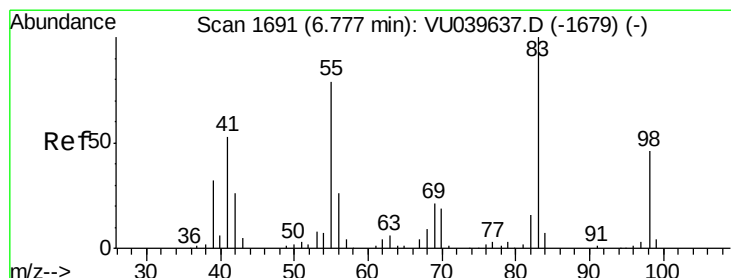
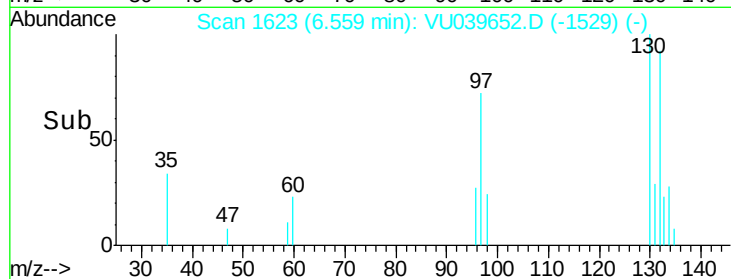
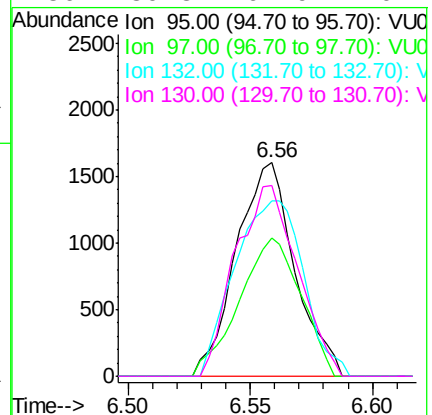
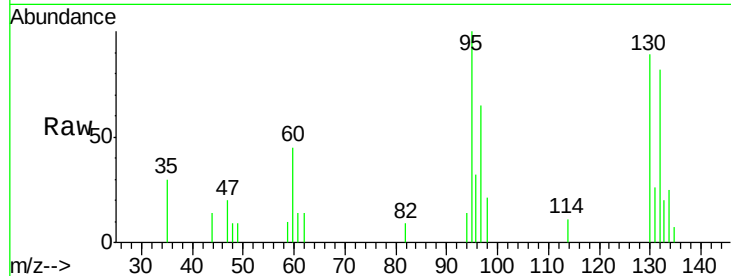
#34
 Trichloroethene
 Concen: 2.044 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion:	95	Resp:	2664
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.5	84.5
132	82.1	65.0	120.6
130	89.3	67.9	126.1

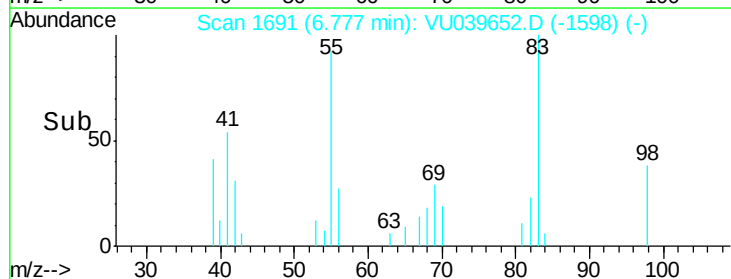
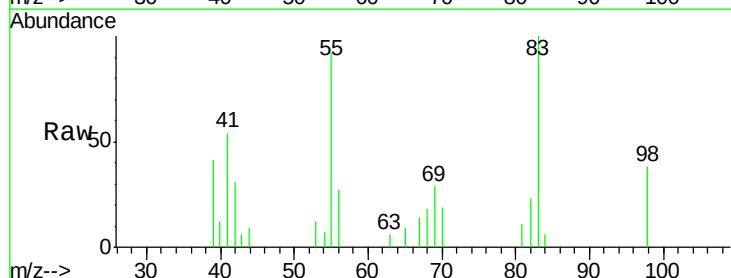
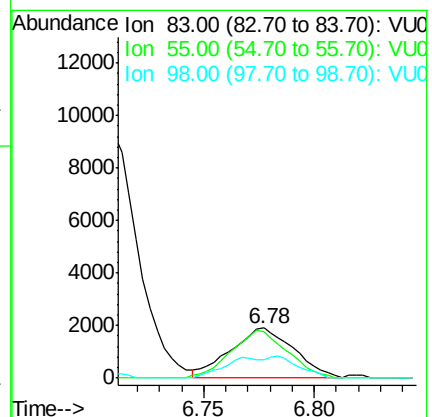
Manual Integrations
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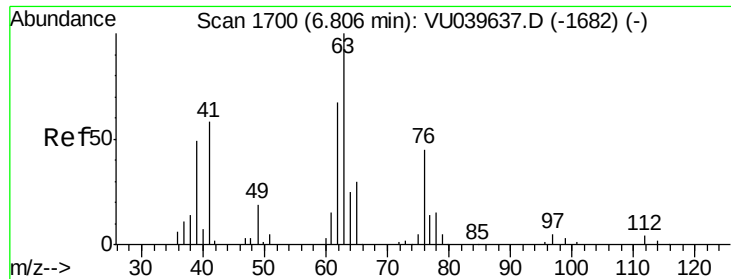
sam
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#35
 Methylcyclohexane
 Concen: 1.890 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:	83	Resp:	3808
Ion	Ratio	Lower	Upper
83	100		
55	84.6	62.9	94.3
98	22.2	36.3	54.5#





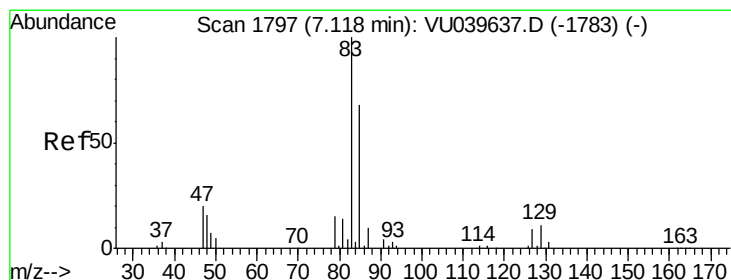
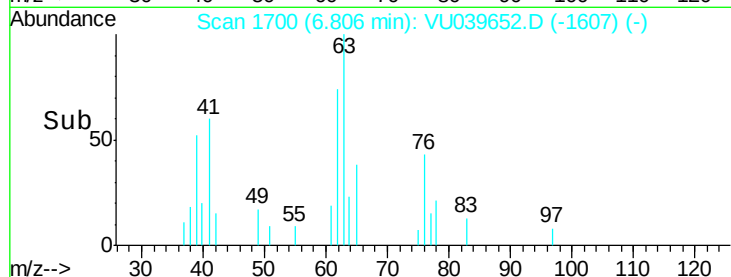
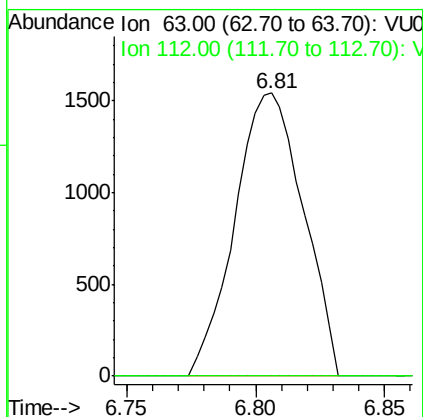
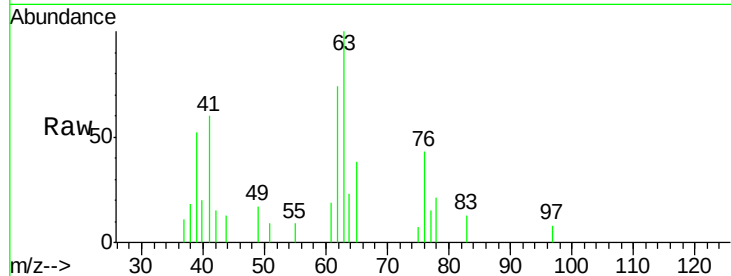
#37
 1,2-Dichloropropane
 Concen: 2.141 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 63 Resp: 2856
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#

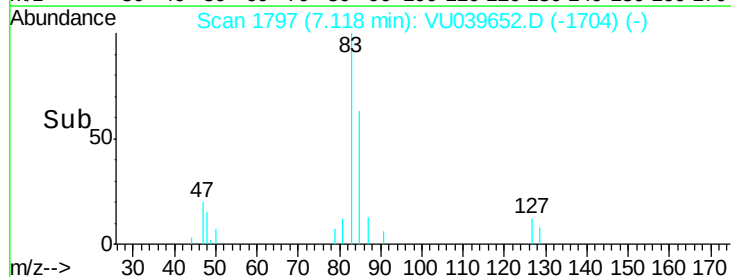
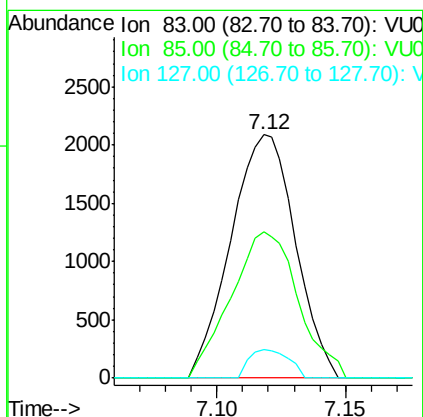
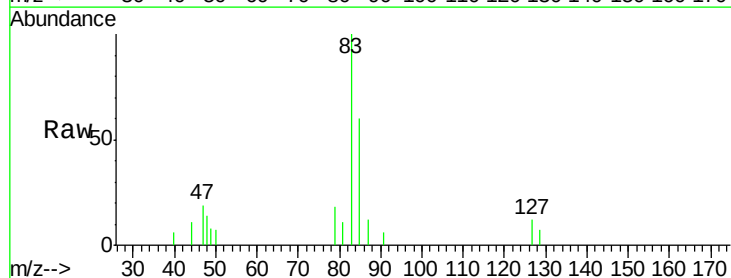
Manual Integrations
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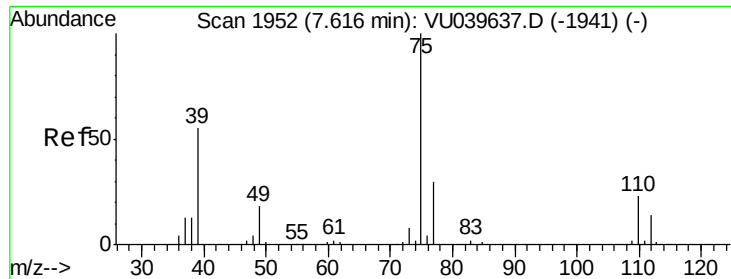
sam
 7/30/2020 2:57:21 AM



#38
 Bromodichloromethane
 Concen: 2.057 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 83 Resp: 3643
 Ion Ratio Lower Upper
 83 100
 85 59.9 45.9 85.3
 127 11.7 7.4 11.2#





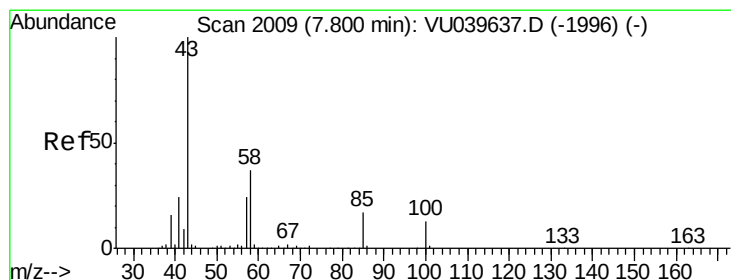
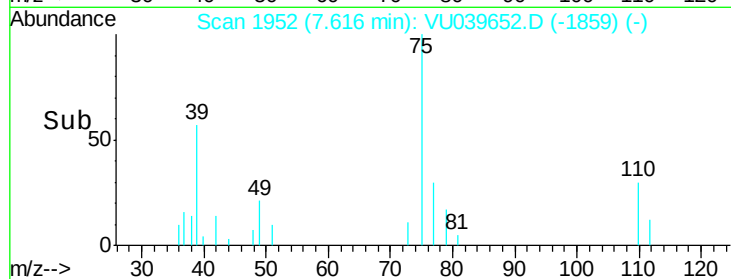
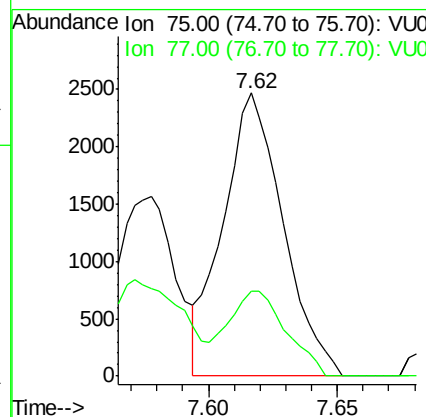
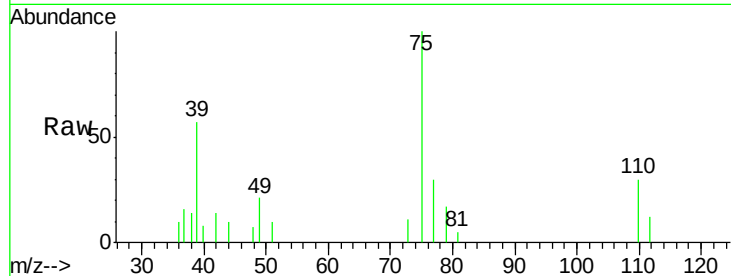
#39
 cis-1,3-Dichloropropene
 Concen: 2.010 ug/L
 RT: 7.62 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 4007
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.8 40.6

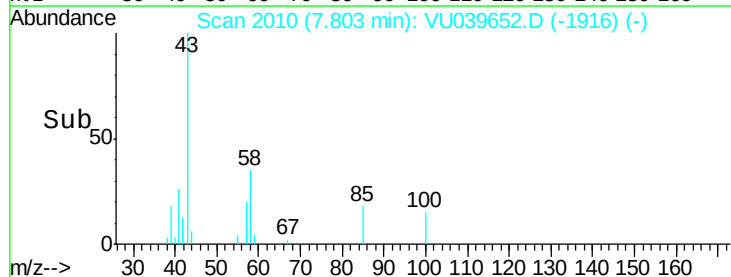
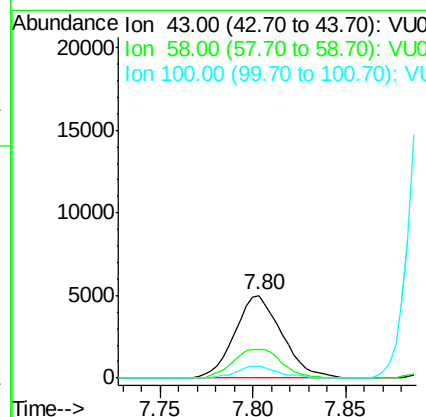
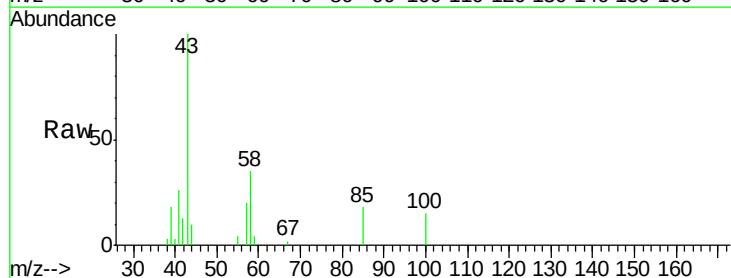
Manual Integrations
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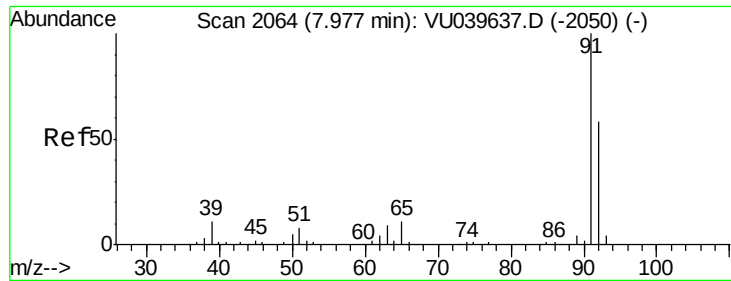
sam
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#40
 4-Methyl-2-pentanone
 Concen: 3.808 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 43 Resp: 8849
 Ion Ratio Lower Upper
 43 100
 58 36.5 29.1 43.7
 100 12.8 10.6 16.0





#42

Toluene

Concen: 2.100 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 11376

Ion Ratio Lower Upper

91 100

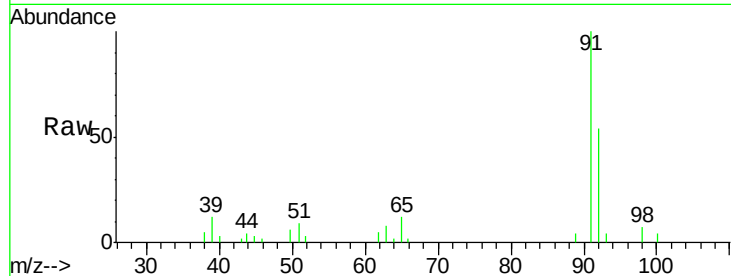
92 54.3 40.1 74.5

Manual Integrations

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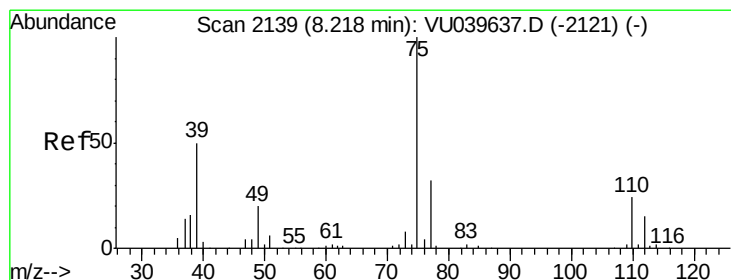
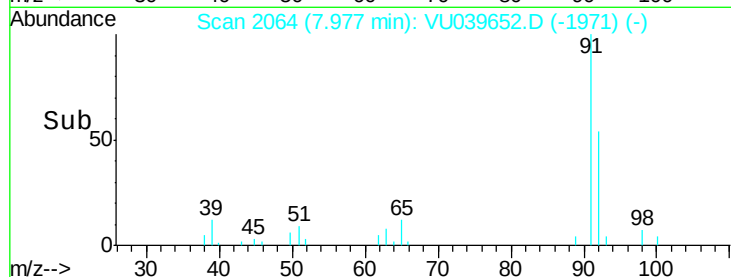
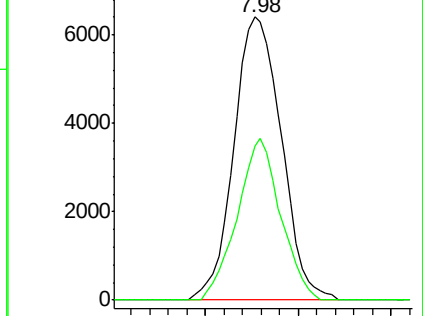
sam

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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) (-)



#44

trans-1,3-Dichloropropene

Concen: 1.759 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039652.D

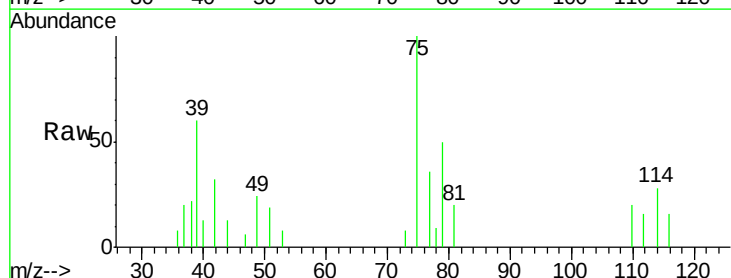
Acq: 23 Jul 2020 21:37

Tgt Ion: 75 Resp: 3434

Ion Ratio Lower Upper

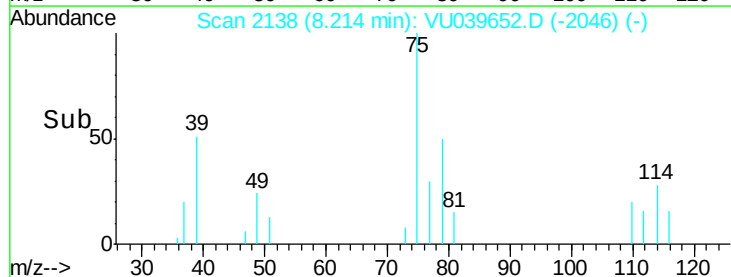
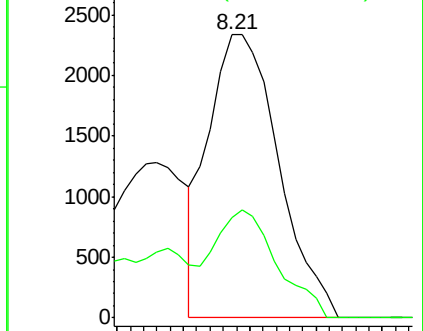
75 100

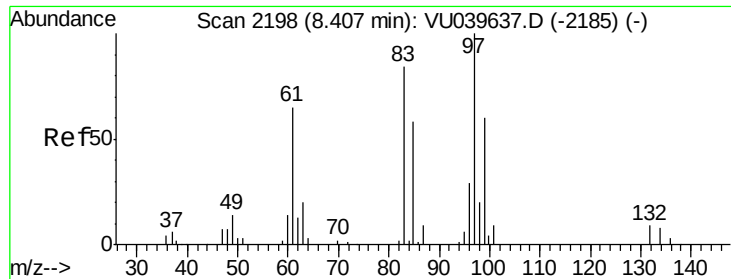
77 35.6 22.7 42.1



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

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





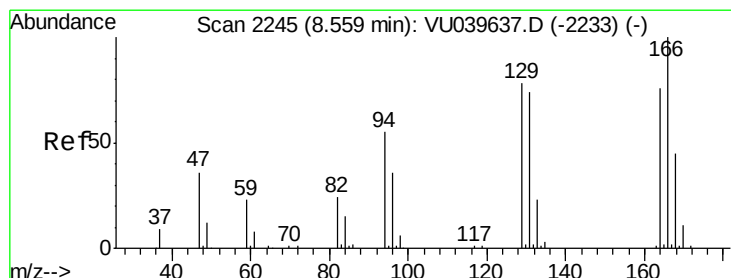
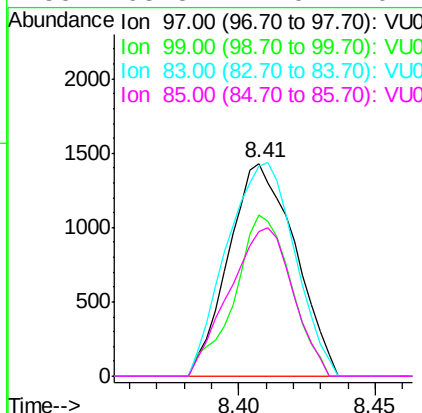
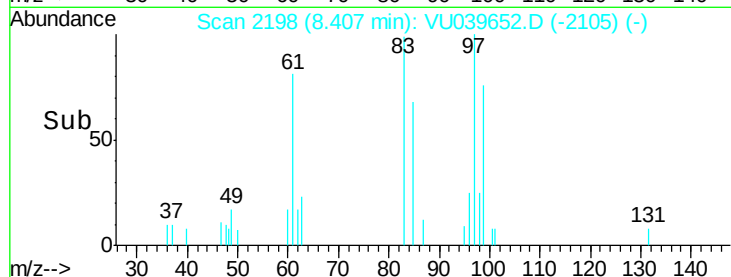
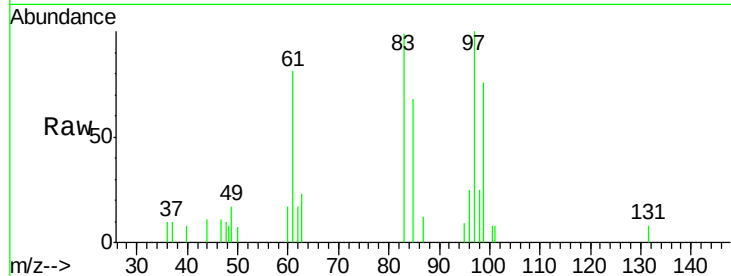
#45
 1,1,2-Trichloroethane
 Concen: 1.906 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL06

Tot Ion:	97	Resp:	2425
Ion	Ratio	Lower	Upper
97	100		
99	75.9	45.1	83.9
83	98.9	62.7	116.5
85	68.3	41.0	76.2

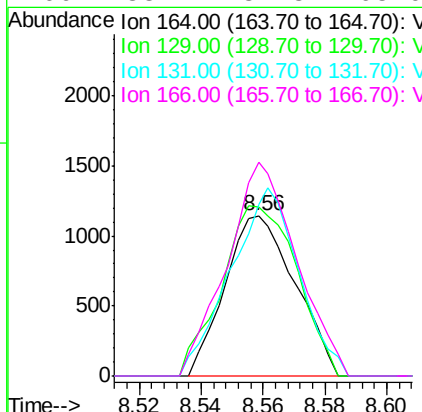
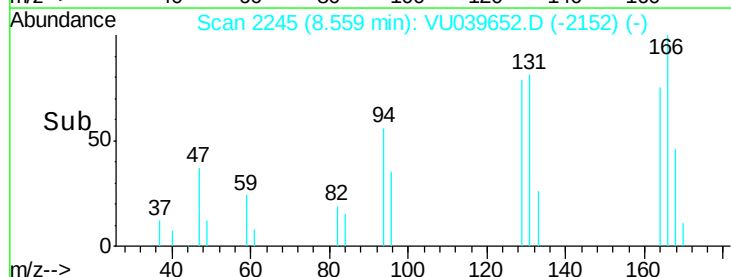
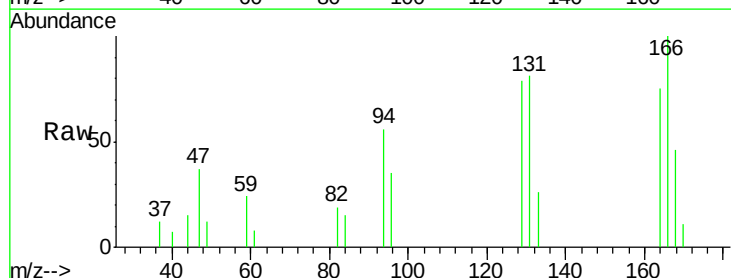
Manual Integrations
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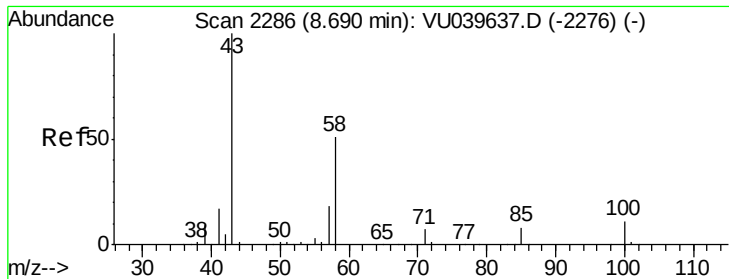
sam
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#46
 Tetrachloroethene
 Concen: 1.828 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion:	164	Resp:	1802
Ion	Ratio	Lower	Upper
164	100		
129	105.6	71.1	132.1
131	107.2	70.3	130.5
166	133.1	87.8	163.0





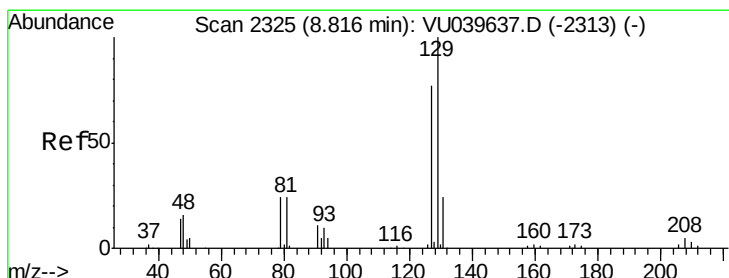
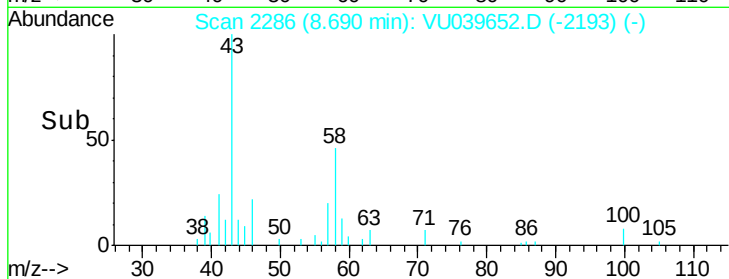
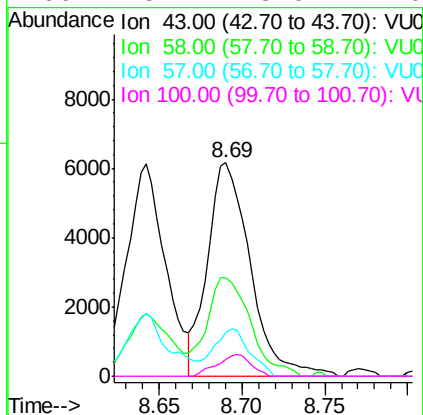
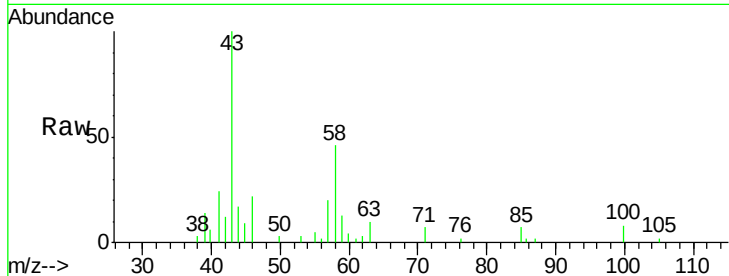
#48
2-Hexanone
Concen: 5.865 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	46.9	40.6	61.0	
57	18.2	14.5	21.7	
100	8.1	8.0	12.0	

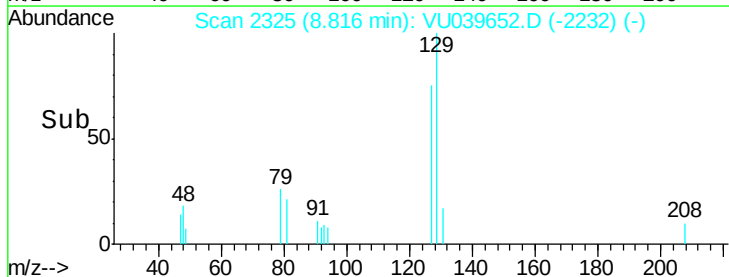
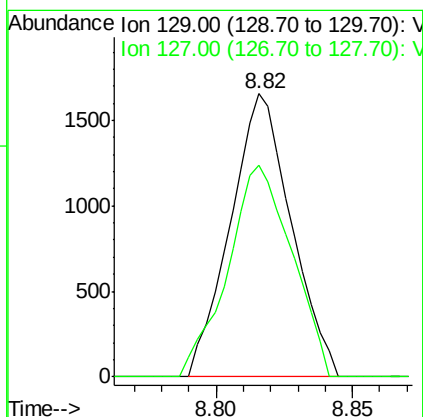
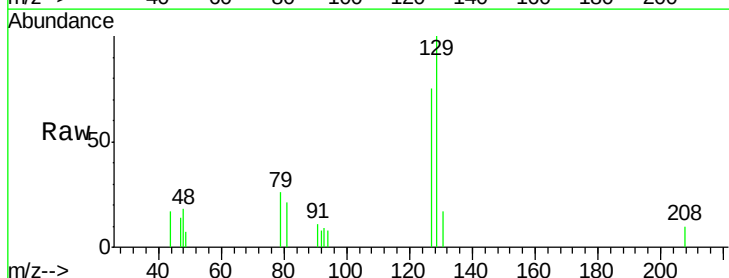
Manual Integrations
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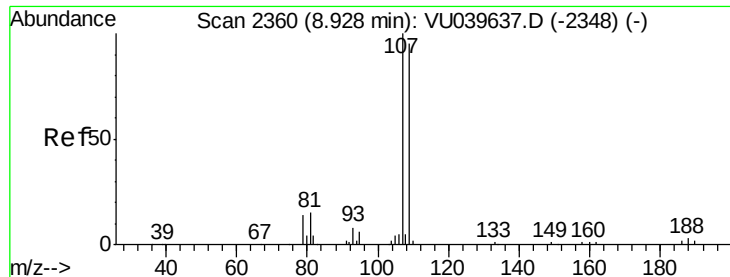
Sam
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#49
Dibromochloromethane
Concen: 1.782 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	75.0	54.3	100.9	





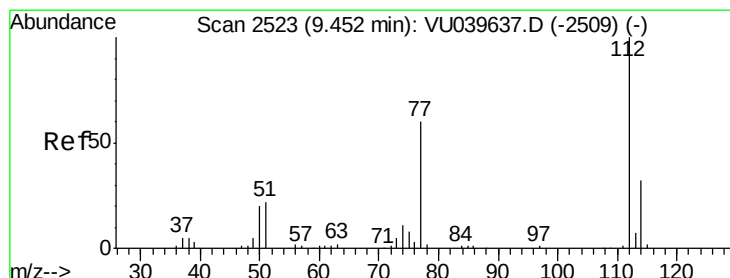
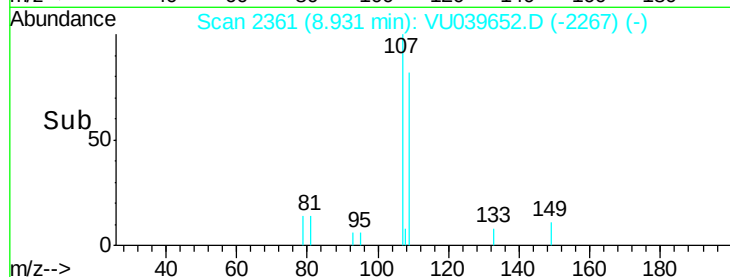
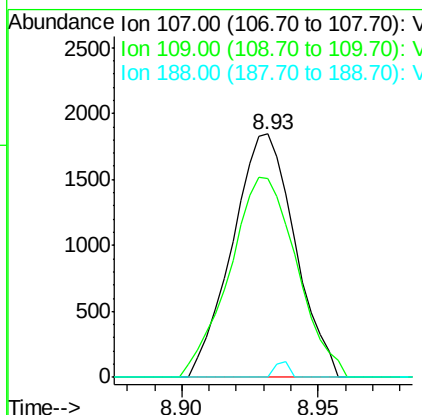
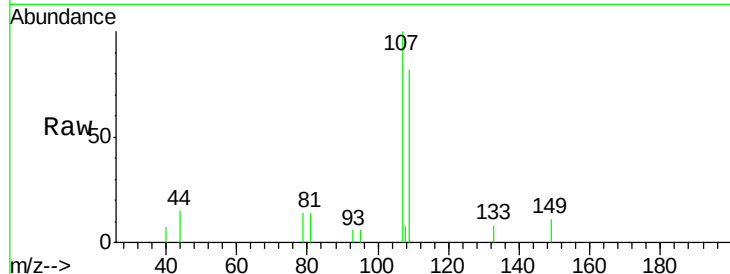
#50
1,2-Dibromoethane
Concen: 2.077 ug/L
RT: 8.93 min Scan# 2361
Delta R.T. 0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Instrument :
MSVOA_U
ClientSampled :
MDL06

Tot Ion	Ratio	Lower	Upper
107	100		
109	81.9	66.8	124.2
188	0.0	3.0	4.4#

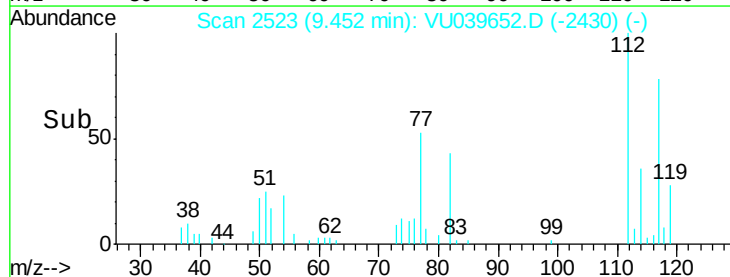
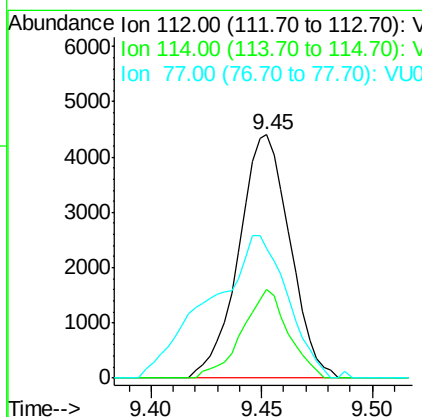
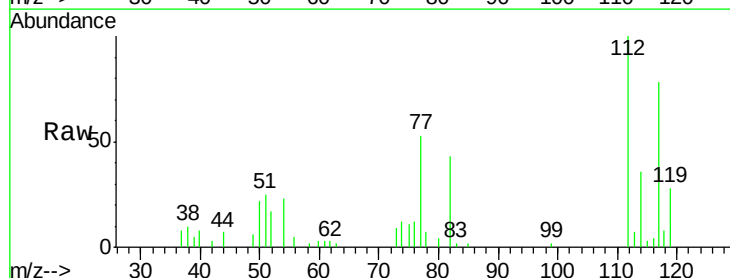
Manual Integrations
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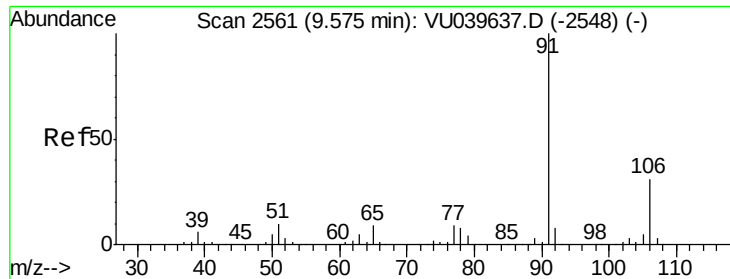
sam
7/30/2020 2:57:21 AM



#51
Chlorobenzene
Concen: 2.049 ug/L
RT: 9.45 min Scan# 2523
Delta R.T. -0.00 min
Lab File: VU039652.D
Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
112	100		
114	36.4	22.9	42.5
77	53.1	49.4	74.0





#52

Ethylbenzene

Concen: 2.027 ug/L

RT: 9.57 min Scan# 2561

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion: 91 Resp: 12134

Ion Ratio Lower Upper

91 100

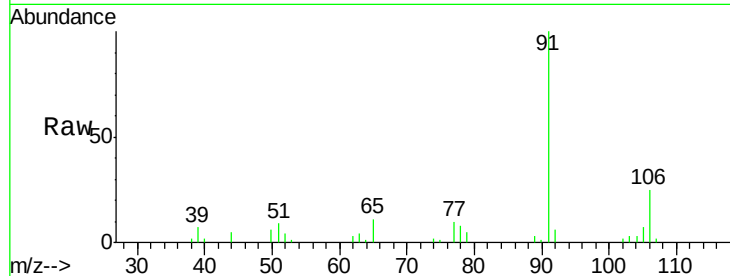
106 24.8 21.1 39.1

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VU039652.D (-2468) (-)

Ion 106.00 (105.70 to 106.70): VU039652.D (-2468) (-)

9.57

8000

6000

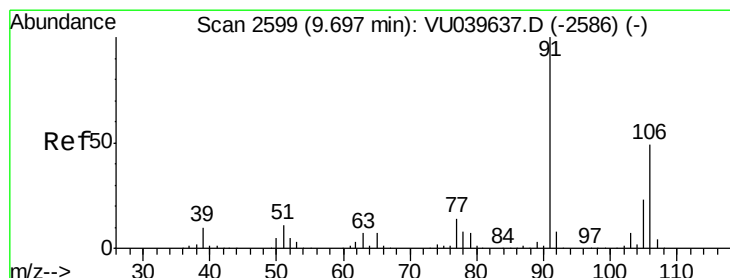
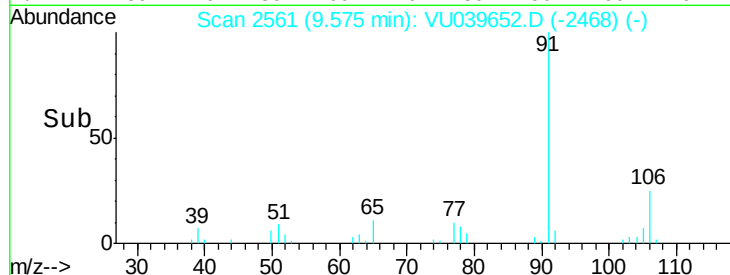
4000

2000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 1.890 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039652.D

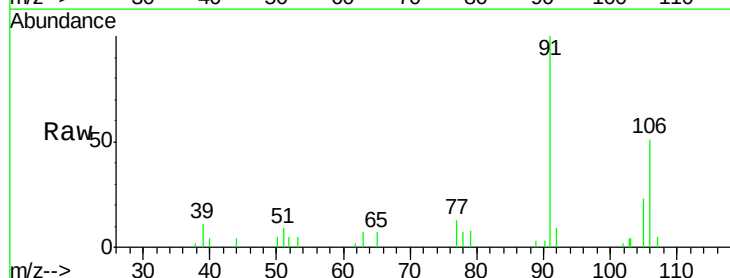
Acq: 23 Jul 2020 21:37

Tgt Ion: 106 Resp: 4266

Ion Ratio Lower Upper

106 100

91 194.4 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039652.D (-2506) (-)

Ion 91.00 (90.70 to 91.70): VU039652.D (-2506) (-)

9.70

6000

5000

4000

3000

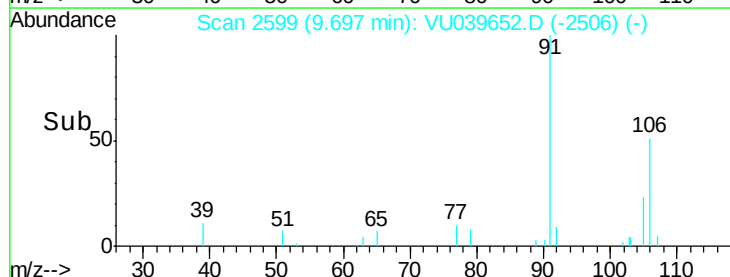
2000

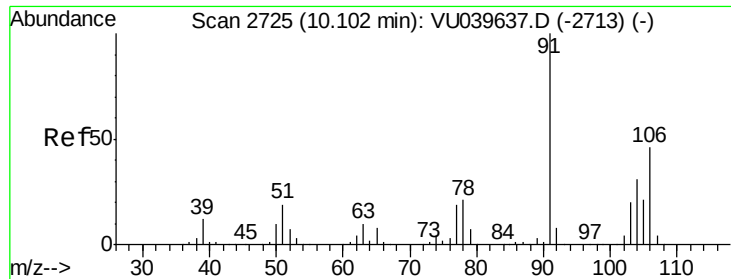
1000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 1.837 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

ClientSampleId :

MDL06

Tot Ion:106 Resp: 3978

Ion Ratio Lower Upper

106 100

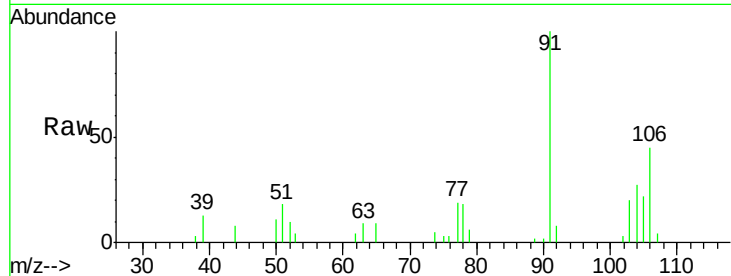
91 222.4 155.1 288.1

Manual Integrations

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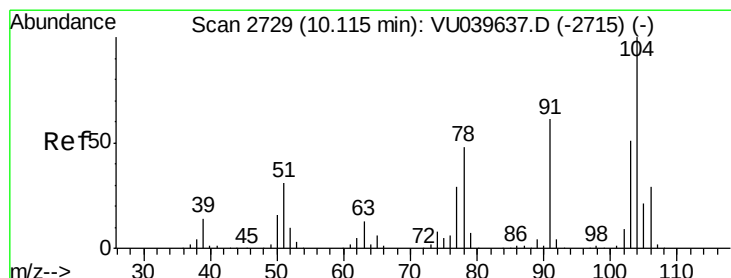
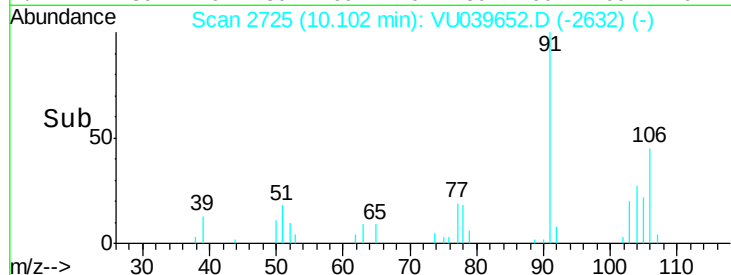
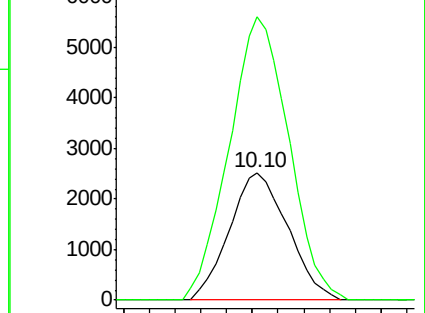
sam

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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: 1.754 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039652.D

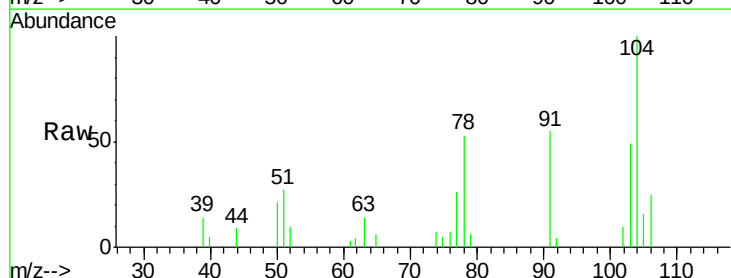
Acq: 23 Jul 2020 21:37

Tgt Ion:104 Resp: 6575

Ion Ratio Lower Upper

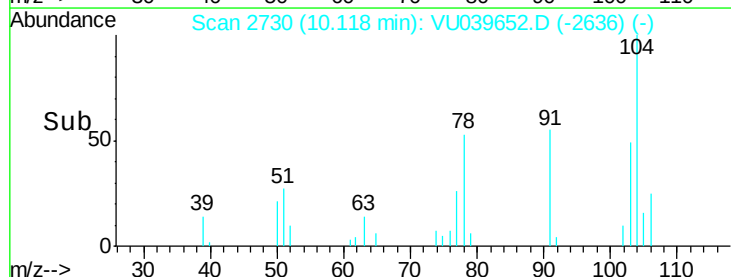
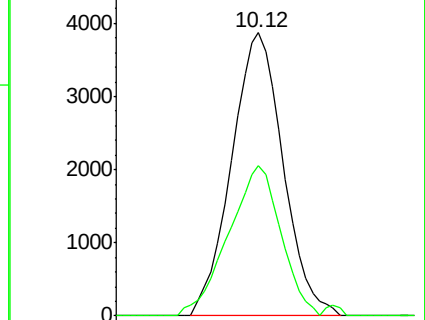
104 100

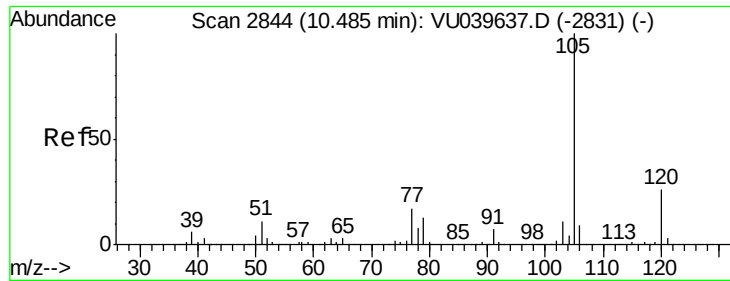
78 53.1 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.688 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

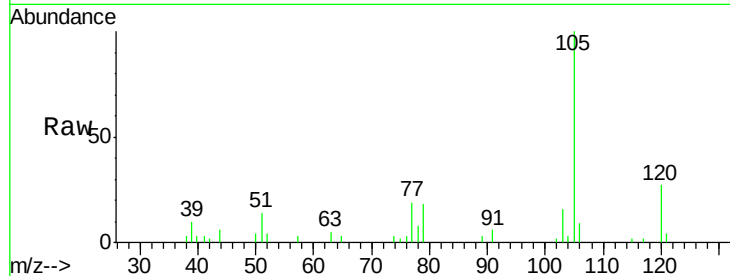
ClientSampled :

MDL06

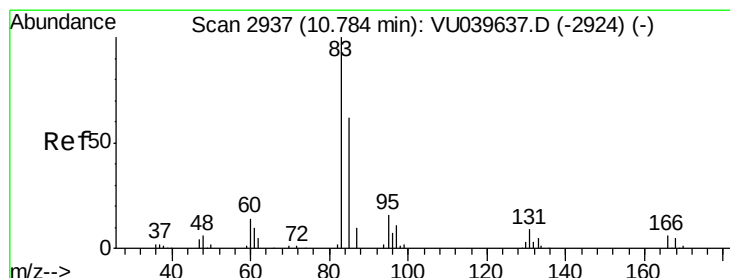
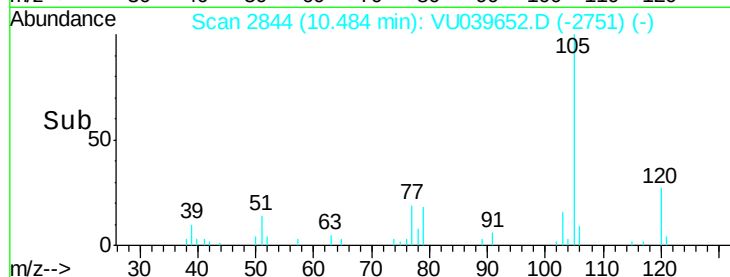
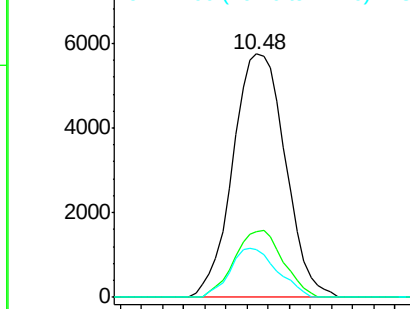
Tot Ion:	105	Resp:	9922
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.6	31.0
77	18.0	13.4	20.2

Manual Integrations
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sam
7/30/2020 2:57:21 AM



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 2.040 ug/L

RT: 10.78 min Scan# 2937

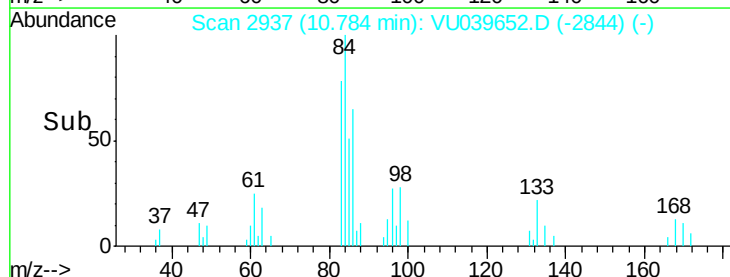
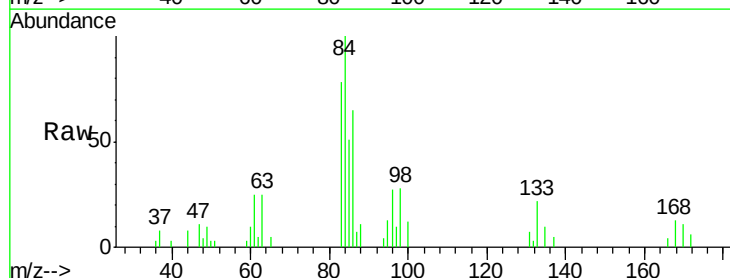
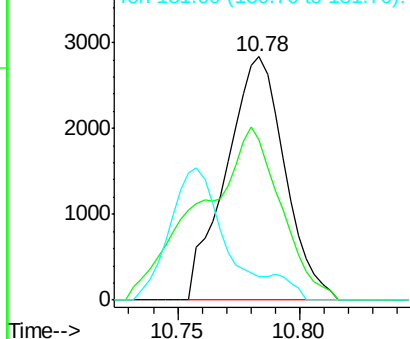
Delta R.T. -0.00 min

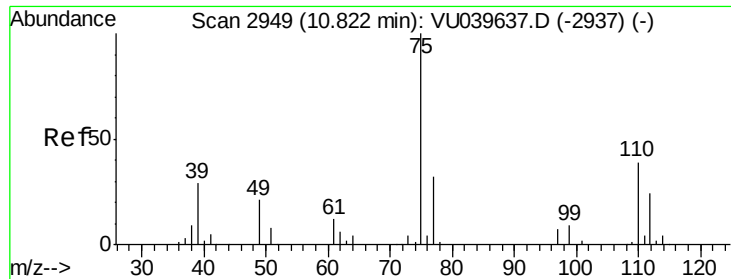
Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Tgt Ion:	83	Resp:	4730
Ion Ratio	Lower	Upper	
83	100		
85	65.8	46.4	86.2
131	9.5	7.8	11.6

Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 131.00 (130.70 to 131.70): V





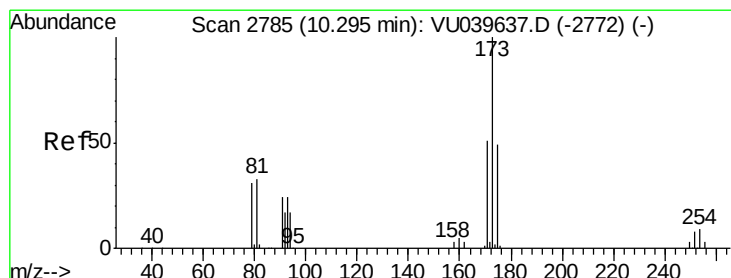
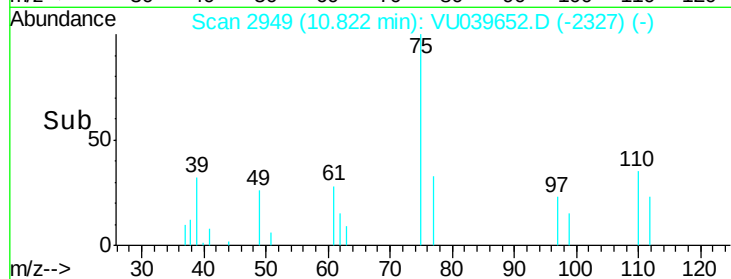
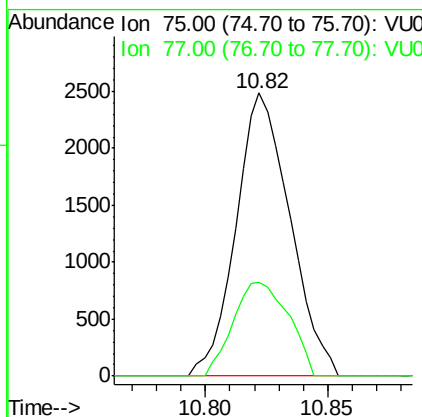
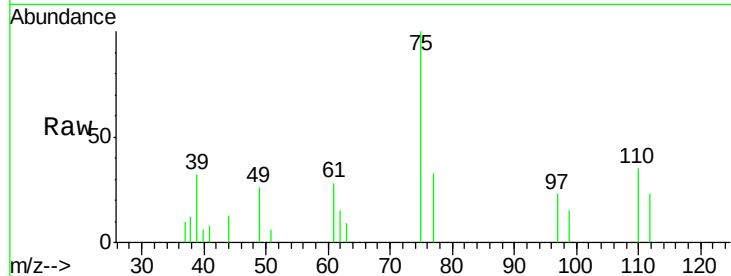
#59
 1,2,3-Trichloropropane
 Concen: 1.970 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion: 75 Resp: 3813
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.4 38.2

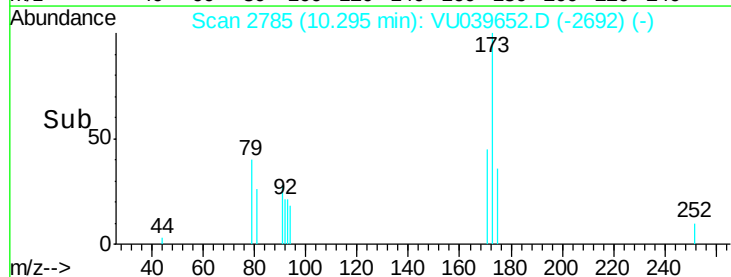
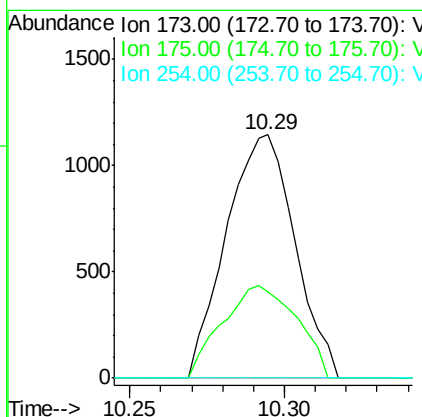
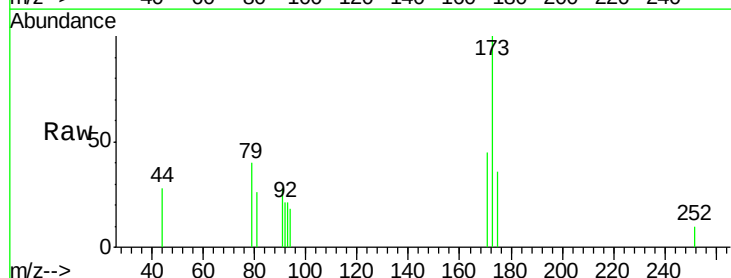
Manual Integrations
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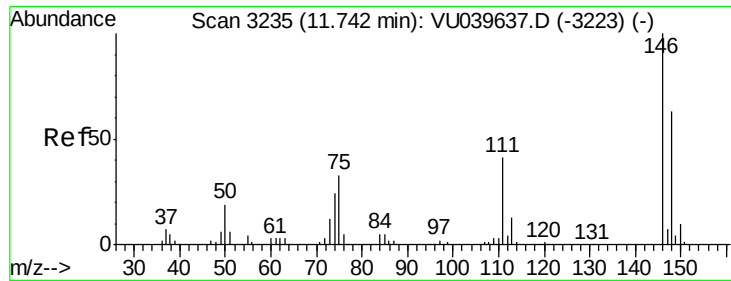
sam
 7/30/2020 2:57:21 AM



#61
 Bromoform
 Concen: 1.802 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion: 173 Resp: 1765
 Ion Ratio Lower Upper
 173 100
 175 41.1 38.4 57.6
 254 0.0 7.0 10.6#





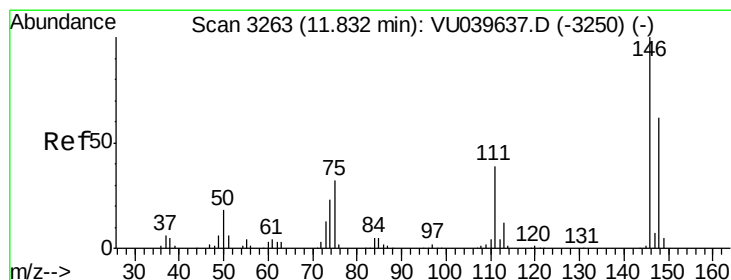
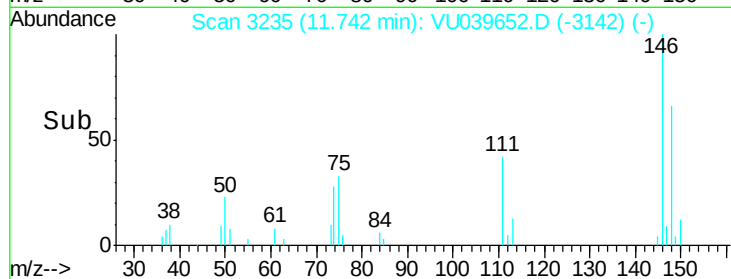
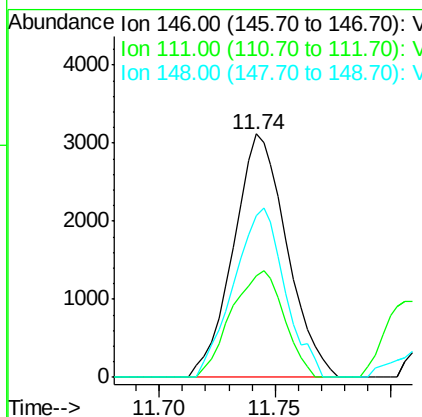
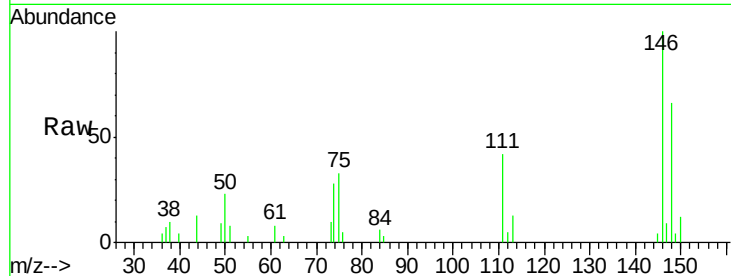
#62
 1,3-Dichlorobenzene
 Concen: 1.969 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	29.3	54.3
148	66.3	46.1	85.5

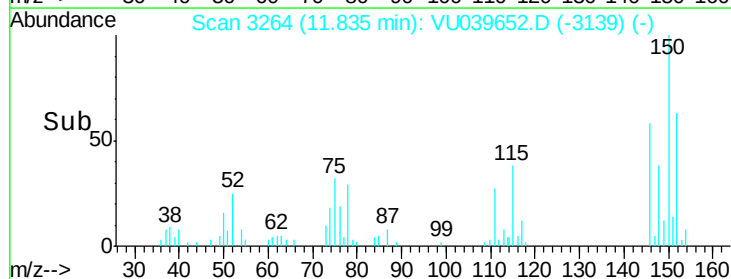
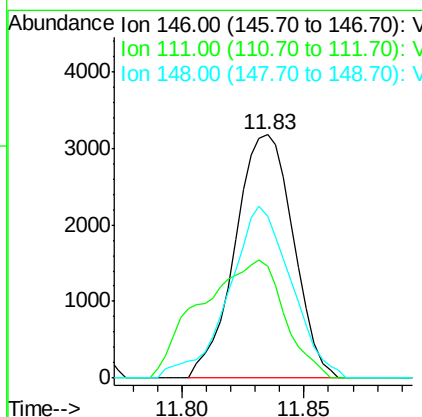
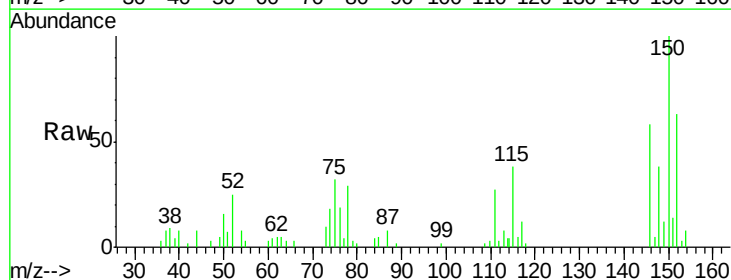
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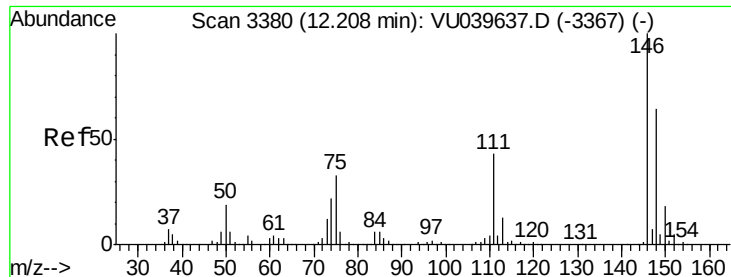
sam
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#63
 1,4-Dichlorobenzene
 Concen: 2.067 ug/L
 RT: 11.83 min Scan# 3264
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.0	27.8	51.6
148	66.3	44.7	83.1





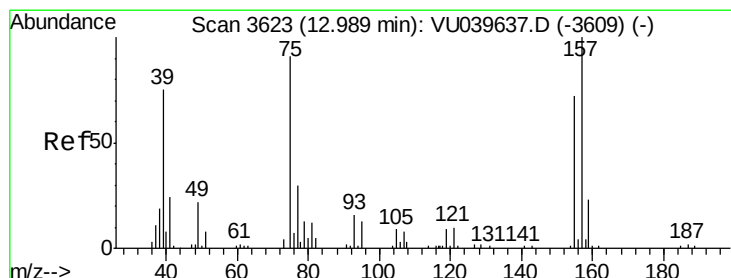
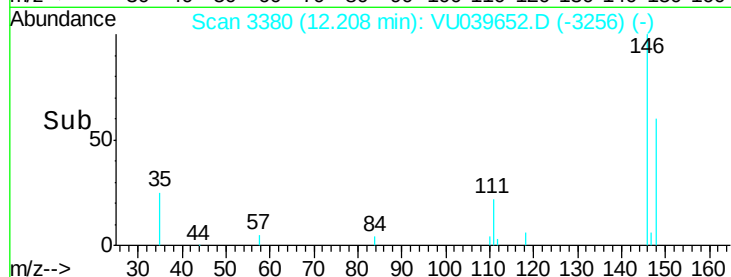
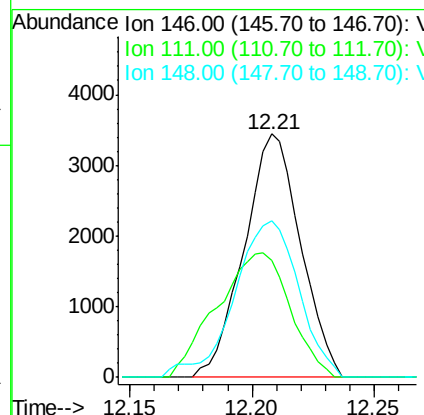
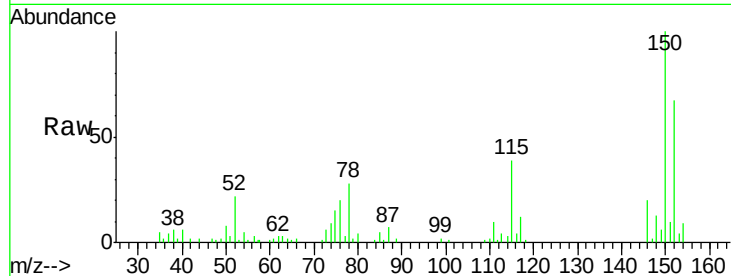
#65
 1,2-Dichlorobenzene
 Concen: 2.152 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	34.8	52.2
148	64.6	52.5	78.7

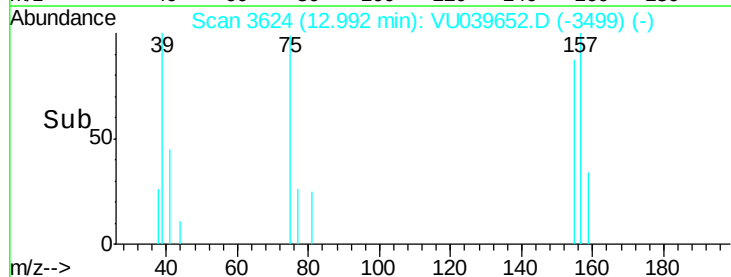
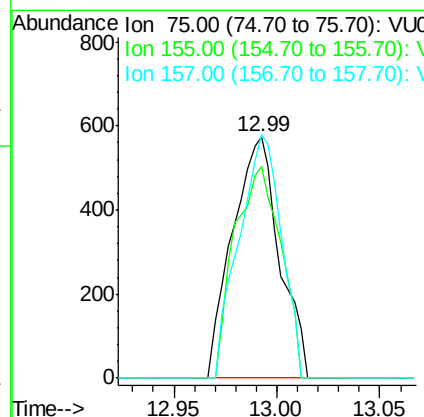
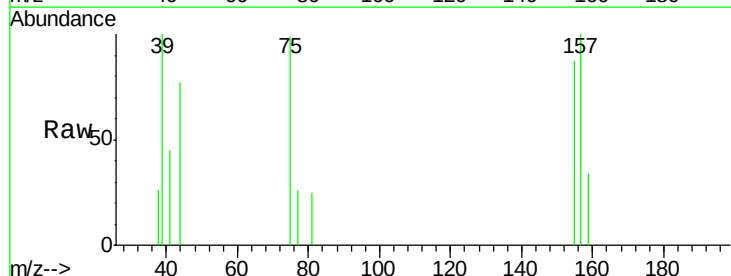
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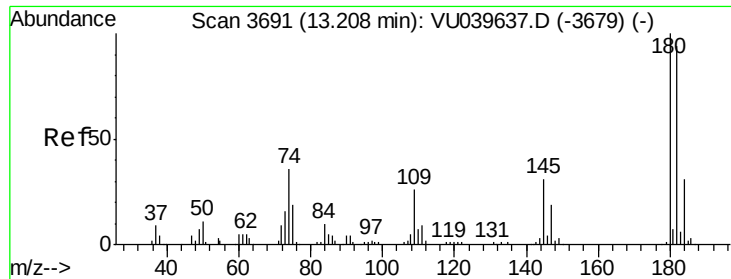
sam
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.769 ug/L m
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	62.4	93.6
157	100.9	78.9	118.3





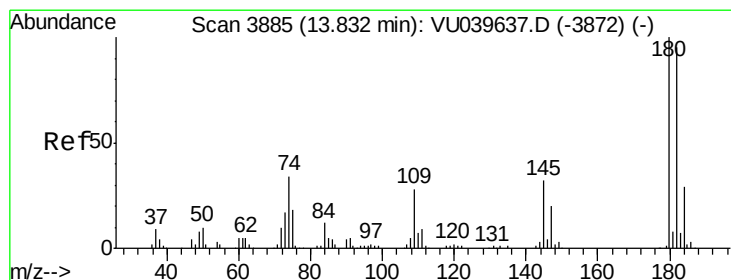
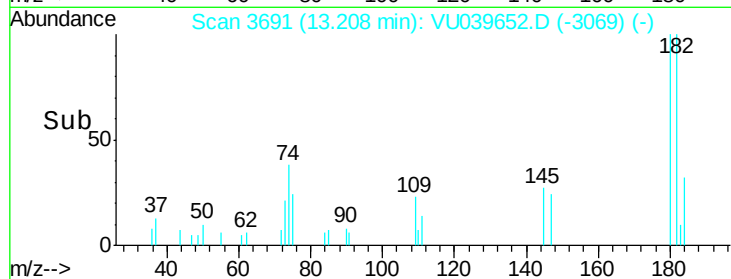
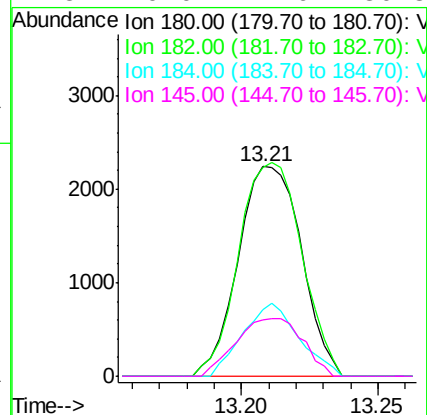
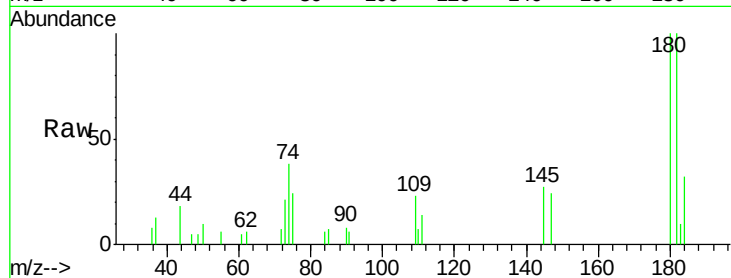
#67
 1,3,5-Trichlorobenzene
 Concen: 1.969 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Instrument :
 MSVOA_U
 ClientSampled :
 MDL06

Tot Ion	Ratio	Lower	Upper
180	100		
182	101.7	75.7	113.5
184	31.0	24.2	36.2
145	29.0	24.6	36.8

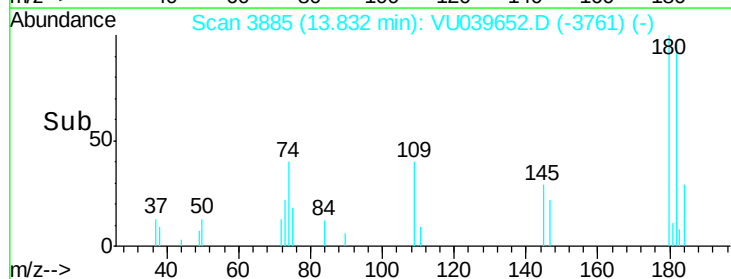
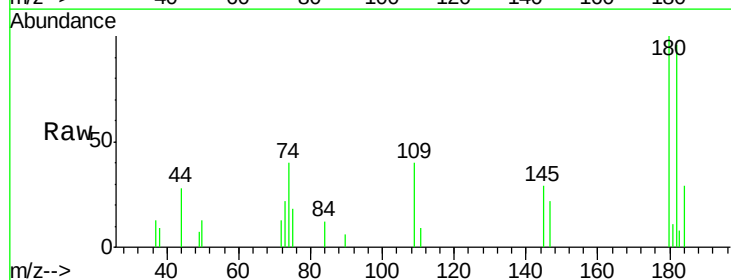
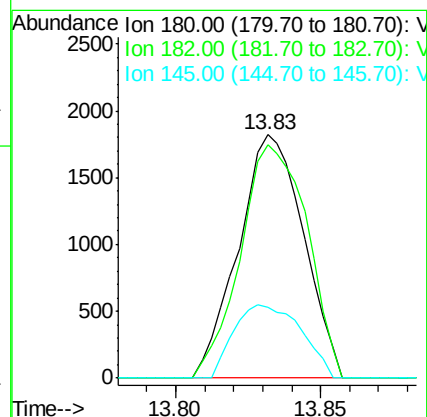
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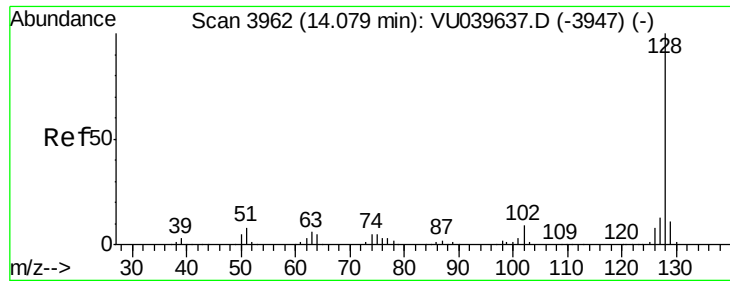
sam
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#68
 1,2,4-trichlorobenzene
 Concen: 1.830 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. -0.00 min
 Lab File: VU039652.D
 Acq: 23 Jul 2020 21:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	74.4	111.6
145	31.0	24.8	37.2





#69

Naphthalene

Concen: 1.568 ug/L

RT: 14.08 min Scan# 3963

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Instrument :

MSVOA_U

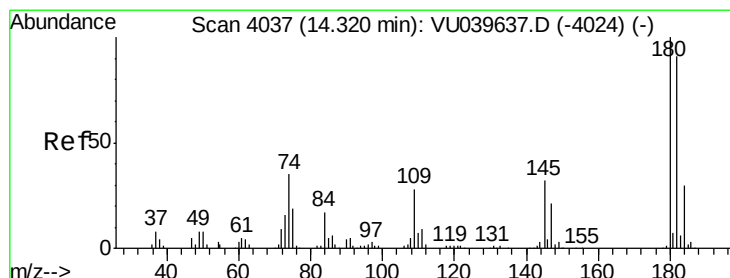
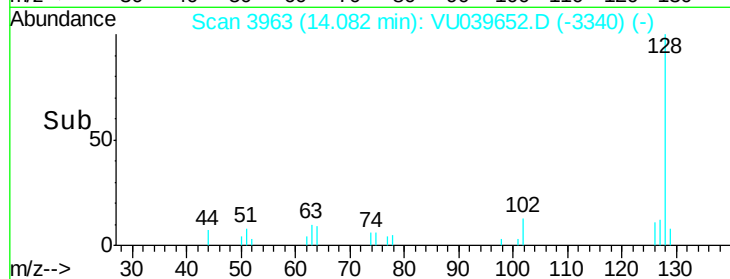
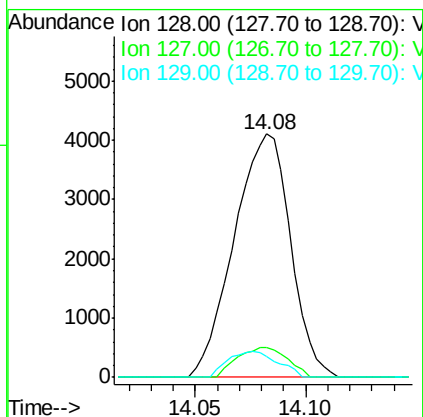
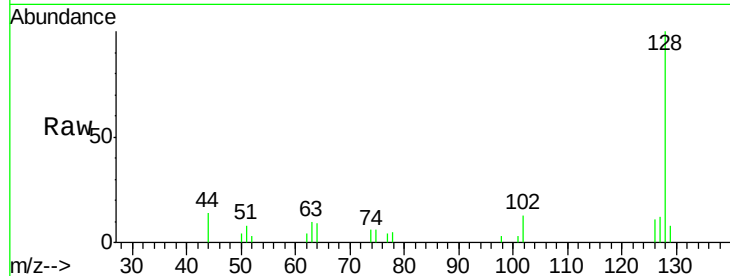
ClientSampled :

MDL06

Tot Ion:	128	Resp:	7300
Ion	Ratio	Lower	Upper
128	100		
127	10.9	10.7	16.1
129	9.5	8.8	13.2

Manual Integrations
APPROVED

sam
7/30/2020 2:57:21 AM



#70

1,2,3-Trichlorobenzene

Concen: 1.959 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039652.D

Acq: 23 Jul 2020 21:37

Tgt Ion:	180	Resp:	3071
Ion	Ratio	Lower	Upper
180	100		
182	84.3	76.6	114.8
145	35.9	27.0	40.4

