

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039653.D
 Acq On : 23 Jul 2020 22:00
 Operator : SY/MD
 Sample : MDL07
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:11 AM

Quant Time: Jul 28 09:34:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM072320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 27 06:24:08 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	192533	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	182368	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	85051	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	51597	41.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.32%
7) Chloroethane-d5	1.92	69	62102	41.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.68%
11) 1,1-Dichloroethene-d2	2.58	63	87831	33.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.20%
21) 2-Butanone-d5	4.65	46	130478	90.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.17%
24) Chloroform-d	5.08	84	122286	43.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.76%
26) 1,2-Dichloroethane-d4	5.72	65	88163	43.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.54%
32) Benzene-d6	5.75	84	233801	46.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.34%
36) 1,2-Dichloropropane-d6	6.71	67	75705	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.18%
41) Toluene-d8	7.91	98	210662	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	8.19	79	36529	43.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.16%
47) 2-Hexanone-d5	8.64	63	83433	92.11	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.11%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	112669	42.85	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	85.70%
64) 1,2-Dichlorobenzene-d4	12.19	152	84672	45.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.06%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.39	85	2505	1.910 ug/L	98
3) Chloromethane	1.53	50	2806	2.059 ug/L	100
5) Vinyl chloride	1.61	62	3010	2.174 ug/L #	76
6) Bromomethane	1.87	94	2552	2.453 ug/L	84
8) Chloroethane	1.94	64	2684	2.180 ug/L	99
9) Trichlorofluoromethane	2.15	101	4365	1.784 ug/L	91
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2979	2.529 ug/L #	59
12) 1,1-Dichloroethene	2.59	96	2668	2.429 ug/L #	1
13) Acetone	2.65	43	3535	3.671 ug/L	70
14) Carbon disulfide	2.81	76	6836	1.945 ug/L	99
15) Methyl Acetate	2.97	43	3472	2.013 ug/L #	87
16) Methylene chloride	3.06	84	2759	2.098 ug/L	96
17) trans-1,2-Dichloroethene	3.37	96	2253	1.843 ug/L	85
18) Methyl tert-butyl Ether	3.39	73	7234	1.832 ug/L #	91
19) 1,1-Dichloroethane	3.89	63	4806	2.015 ug/L #	89
20) cis-1,2-Dichloroethene	4.69	96	2540	1.819 ug/L	90
22) 2-Butanone	4.75	43	5514m	4.063 ug/L	

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

23) Bromochloromethane	4.99	128	1270m	1.809	uq/L	
25) Chloroform	5.11	83	9735	3.680	uq/L	95
27) 1,2-Dichloroethane	5.81	62	4331	1.974	uq/L #	91
29) Cyclohexane	5.41	56	4107	2.073	uq/L #	69
30) 1,1,1-Trichloroethane	5.34	97	4259	1.951	uq/L	95
31) Carbon tetrachloride	5.55	117	3936	2.173	uq/L #	79
33) Benzene	5.79	78	10274	2.044	uq/L	100
34) Trichloroethene	6.56	95	2815	2.117	uq/L	88
35) Methylcyclohexane	6.78	83	3972	1.932	uq/L	94
37) 1,2-Dichloropropane	6.81	63	2684	1.972	uq/L #	89
38) Bromodichloromethane	7.12	83	3344	1.850	uq/L	88
39) cis-1,3-Dichloropropene	7.62	75	4014	1.974	uq/L	99
40) 4-Methyl-2-pentanone	7.80	43	8660	3.653	uq/L	97
42) Toluene	7.98	91	9985	1.806	uq/L	99
44) trans-1,3-Dichloropropene	8.21	75	3862	1.939	uq/L #	80
45) 1,1,2-Trichloroethane	8.41	97	2670	2.058	uq/L	85
46) Tetrachloroethene	8.56	164	1914	1.903	uq/L	81
48) 2-Hexanone	8.69	43	11412	5.908	uq/L	99
49) Dibromochloromethane	8.82	129	2472	1.687	uq/L	98
50) 1,2-Dibromoethane	8.93	107	2767	1.917	uq/L #	99
51) Chlorobenzene	9.45	112	6218	1.763	uq/L	89
52) Ethylbenzene	9.57	91	11341	1.857	uq/L	95
53) m,p-Xylene	9.69	106	4002	1.738	uq/L	98
54) o-xylene	10.10	106	3820	1.729	uq/L	82
55) Styrene	10.12	104	5721	1.496	uq/L	96
56) Isopropylbenzene	10.48	105	10780	1.797	uq/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	4236	1.791	uq/L #	98
59) 1,2,3-Trichloropropane	10.82	75	3278	1.660	uq/L	94
61) Bromoform	10.29	173	1653	1.643	uq/L #	90
62) 1,3-Dichlorobenzene	11.74	146	4902	1.882	uq/L	95
63) 1,4-Dichlorobenzene	11.83	146	5376	2.060	uq/L	95
65) 1,2-Dichlorobenzene	12.21	146	5576	2.118	uq/L	96
66) 1,2-Dibromo-3-chloropropan	12.99	75	827m	1.570	uq/L	
67) 1,3,5-Trichlorobenzene	13.21	180	3375	1.796	uq/L	98
68) 1,2,4-trichlorobenzene	13.83	180	3036	1.904	uq/L	90
69) Naphthalene	14.08	128	7522	1.573	uq/L #	94
70) 1,2,3-Trichlorobenzene	14.32	180	2760	1.713	uq/L	97

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

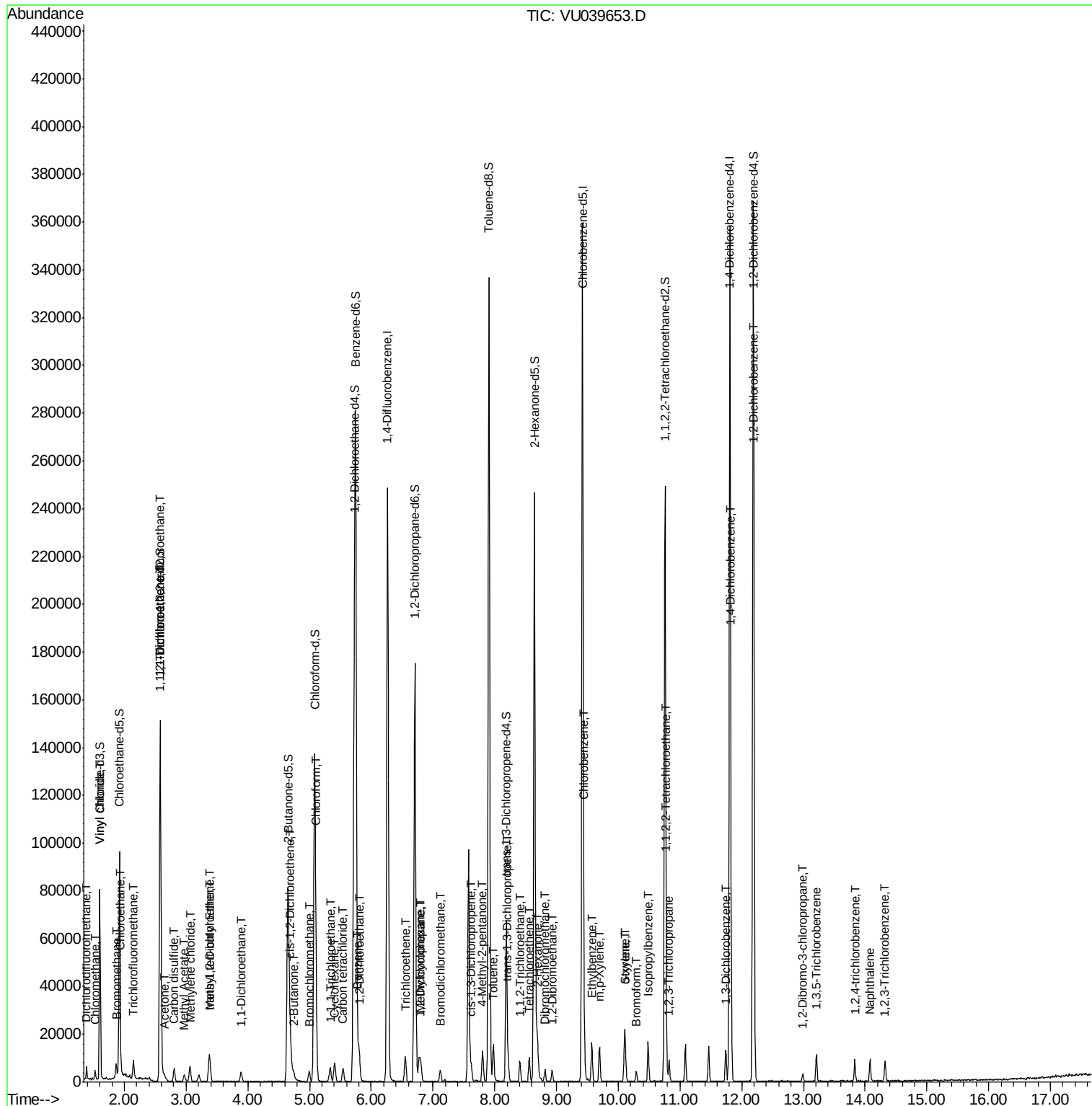
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072320\
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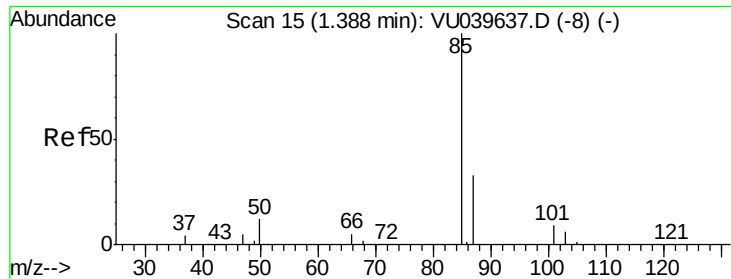
Instrument :
MSVOA_U
ClientSampleId :
MDL07

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.910 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 85 Resp: 2505

Ion Ratio Lower Upper

85 100

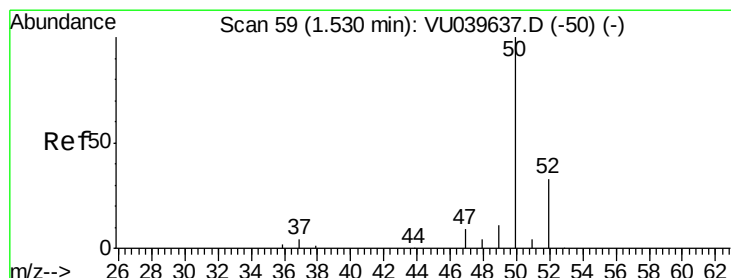
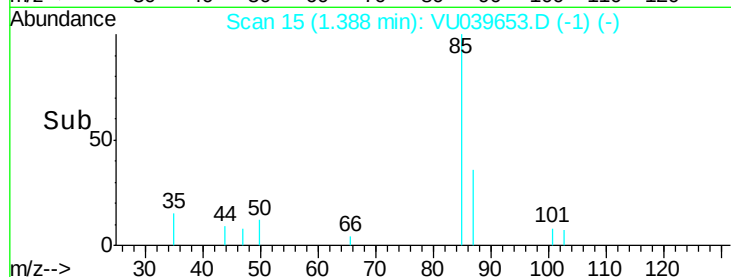
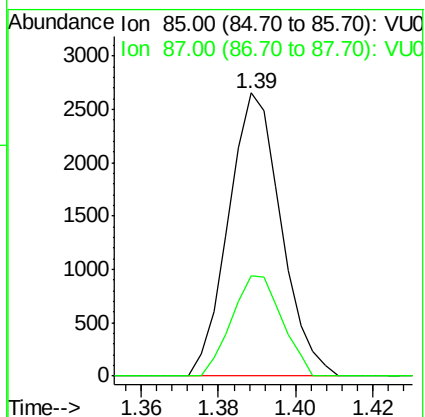
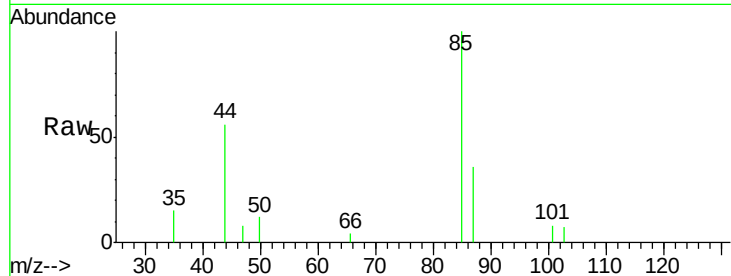
87 34.0 26.2 39.4

Manual Integrations

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#3

Chloromethane

Concen: 2.059 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU039653.D

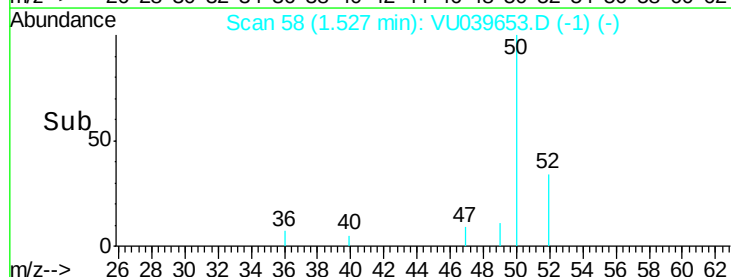
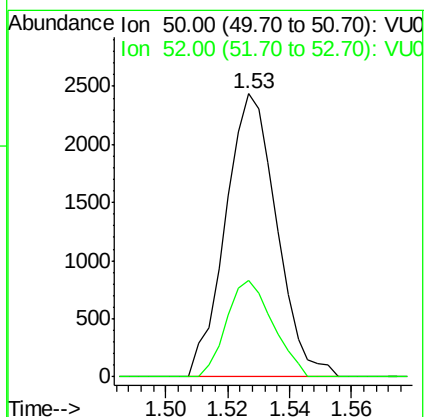
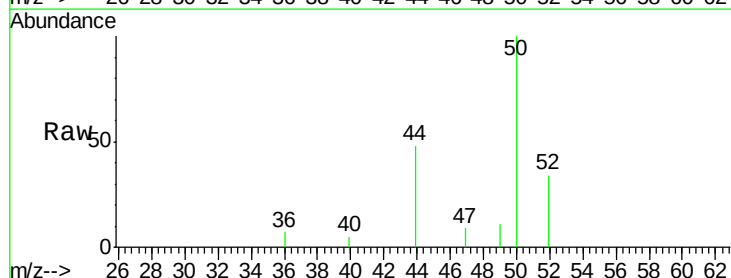
Acq: 23 Jul 2020 22:00

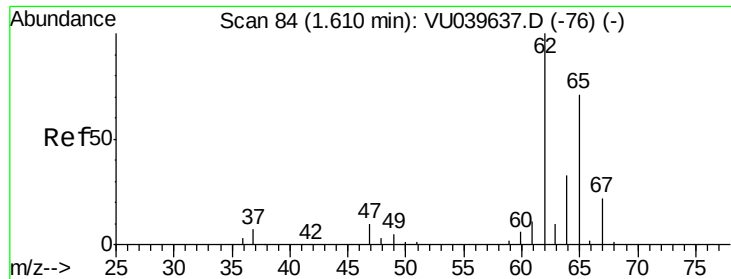
Tgt Ion: 50 Resp: 2806

Ion Ratio Lower Upper

50 100

52 34.1 24.0 44.6





#5

Vinyl chloride

Concen: 2.174 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 62 Resp: 3010

Ion Ratio Lower Upper

62 100

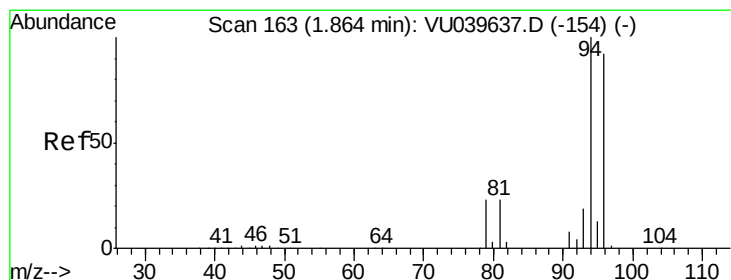
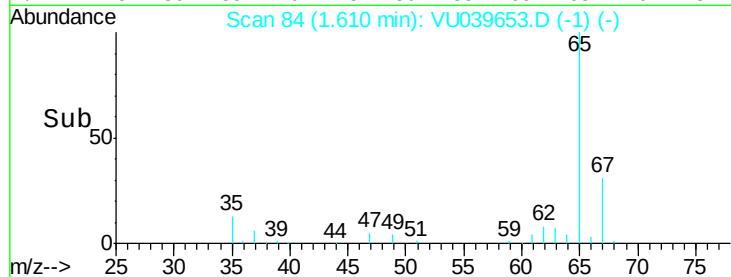
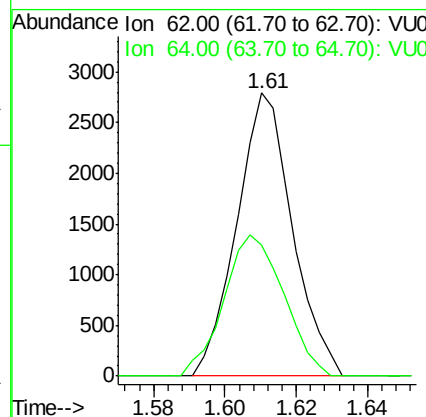
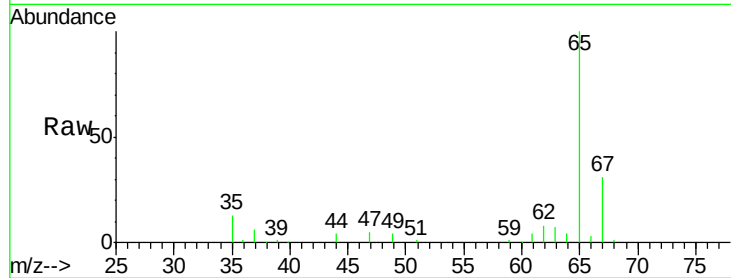
64 46.3 22.8 42.4#

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#6

Bromomethane

Concen: 2.453 ug/L

RT: 1.87 min Scan# 165

Delta R.T. 0.00 min

Lab File: VU039653.D

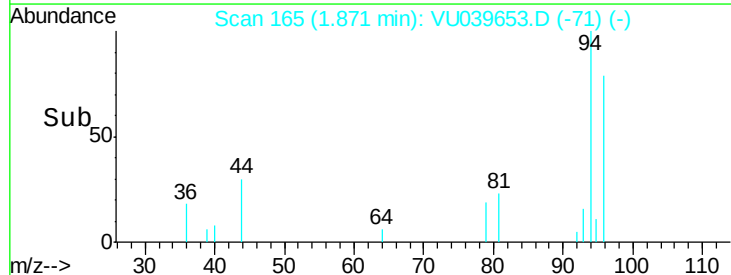
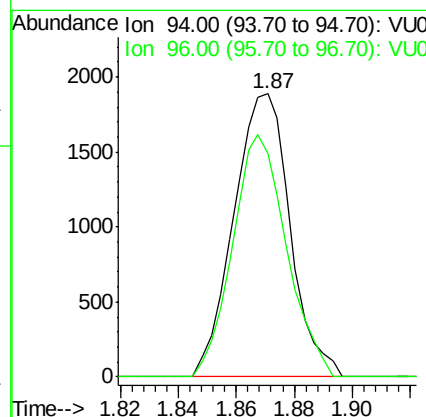
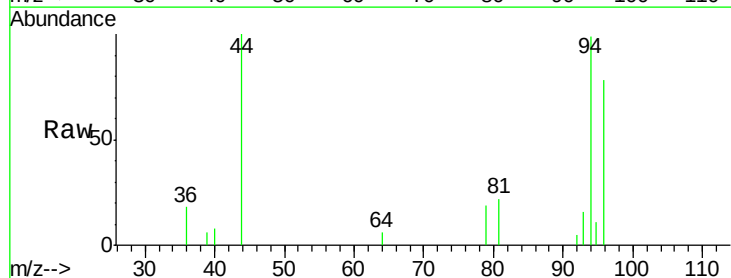
Acq: 23 Jul 2020 22:00

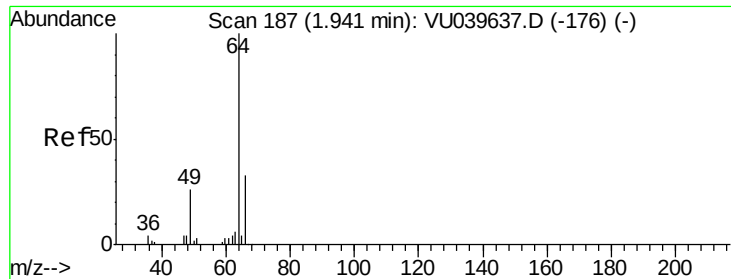
Tgt Ion: 94 Resp: 2552

Ion Ratio Lower Upper

94 100

96 78.7 65.7 122.1





#8

Chloroethane

Concen: 2.180 ug/L

RT: 1.94 min Scan# 188

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 64 Resp: 2684

Ion Ratio Lower Upper

64 100

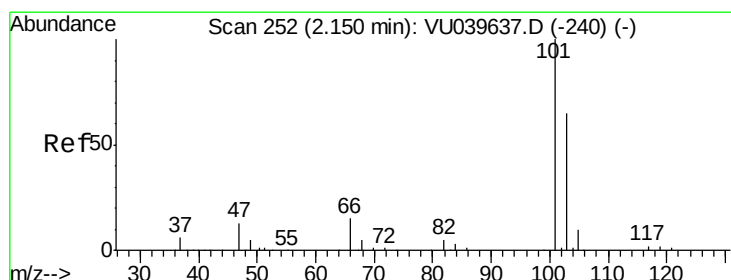
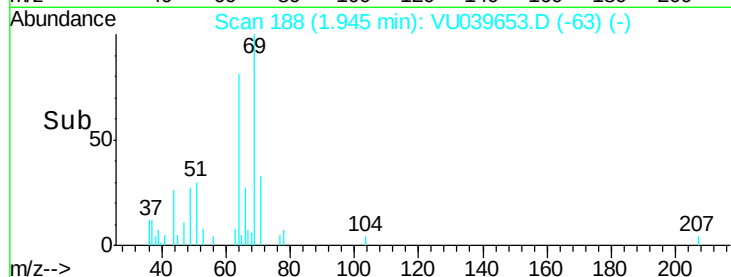
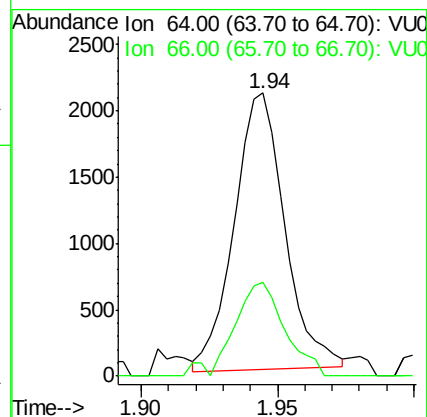
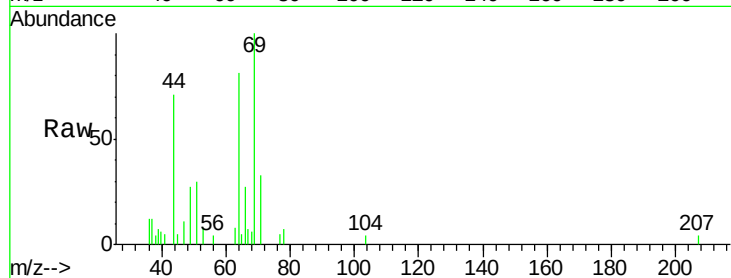
66 33.0 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 1.784 ug/L

RT: 2.15 min Scan# 251

Delta R.T. 0.00 min

Lab File: VU039653.D

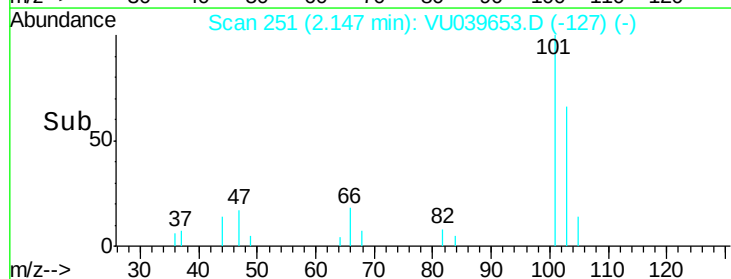
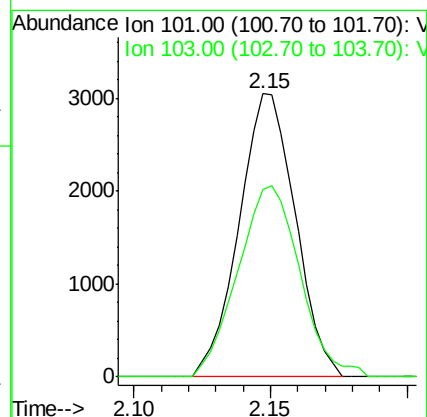
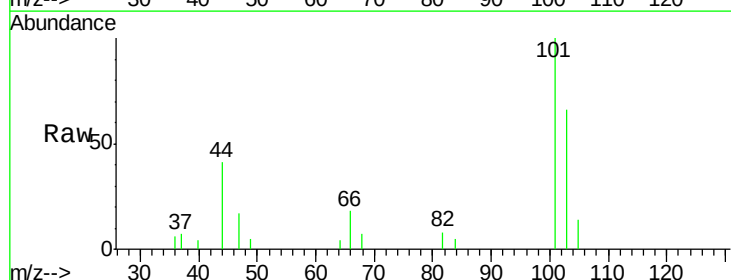
Acq: 23 Jul 2020 22:00

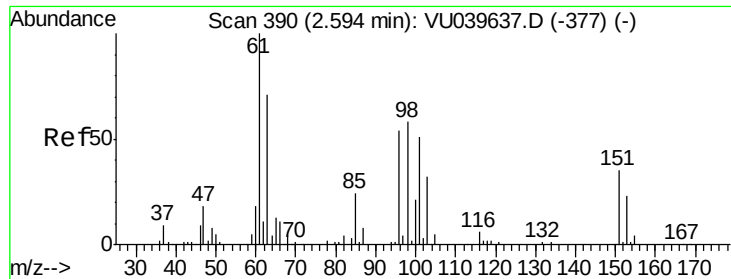
Tgt Ion: 101 Resp: 4365

Ion Ratio Lower Upper

101 100

103 73.5 52.8 79.2





#10

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

Concen: 2.529 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampled :

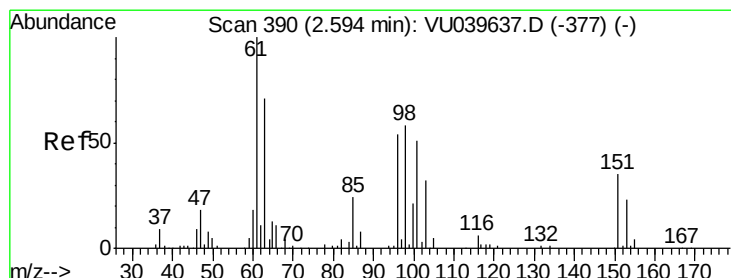
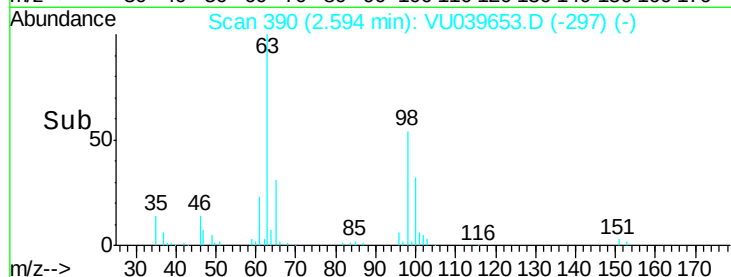
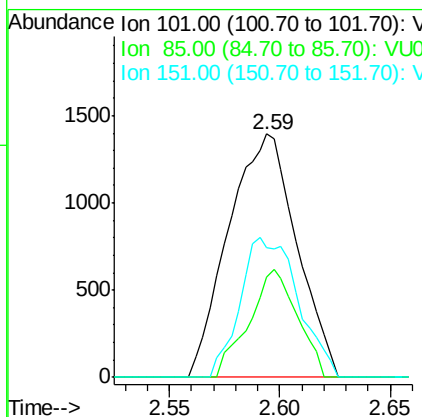
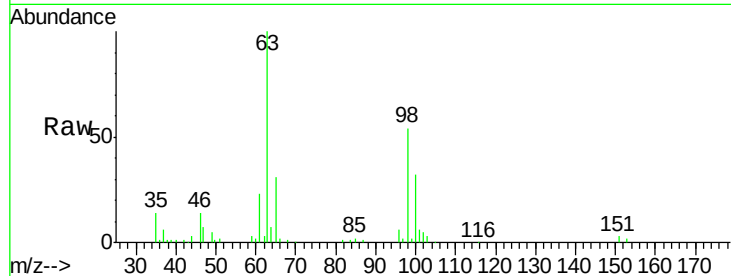
MDL07

Tot Ion:	101	Resp:	2979
Ion Ratio	Lower	Upper	
101	100		
85	31.5	39.7	59.5#
151	29.4	57.4	86.2#

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#12

1,1-Dichloroethene

Concen: 2.429 ug/L

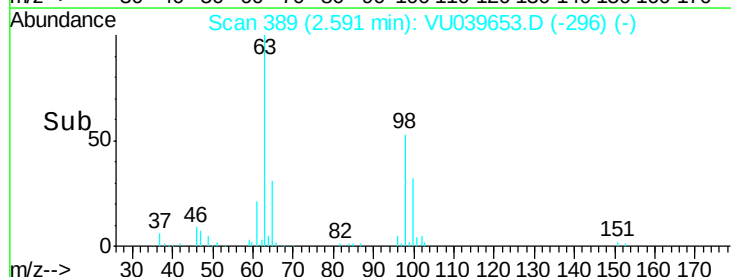
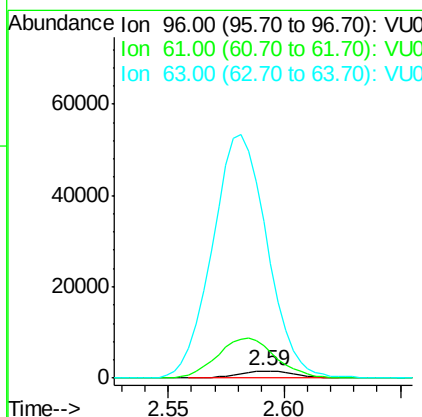
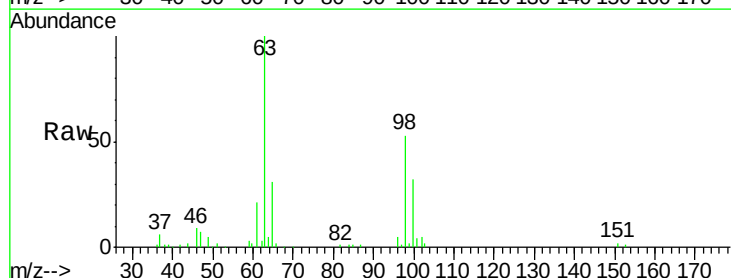
RT: 2.59 min Scan# 389

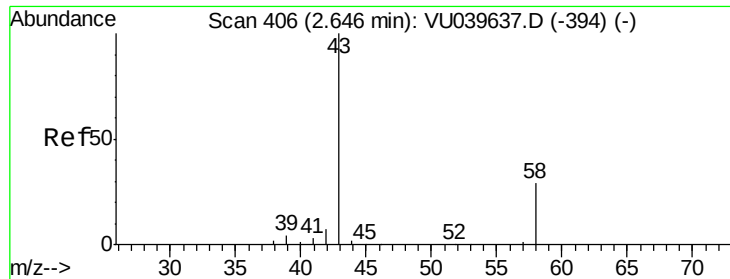
Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Tgt Ion:	96	Resp:	2668
Ion Ratio	Lower	Upper	
96	100		
61	453.8	136.6	253.6#
63	2192.7	97.2	180.6#





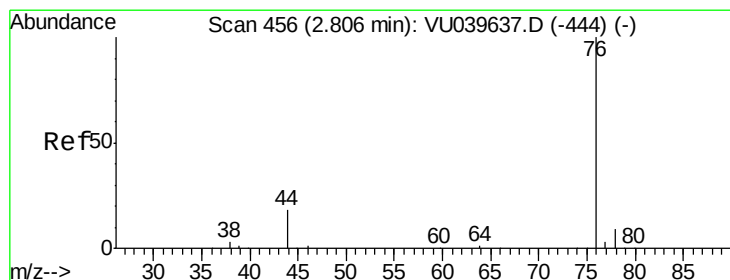
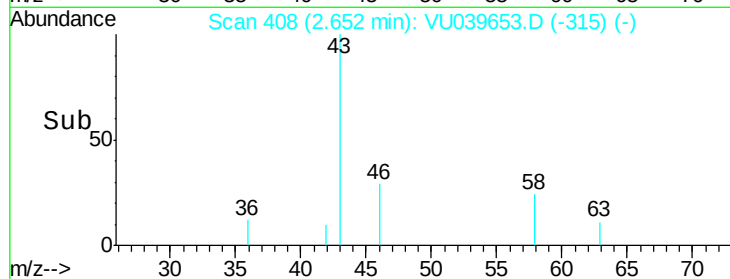
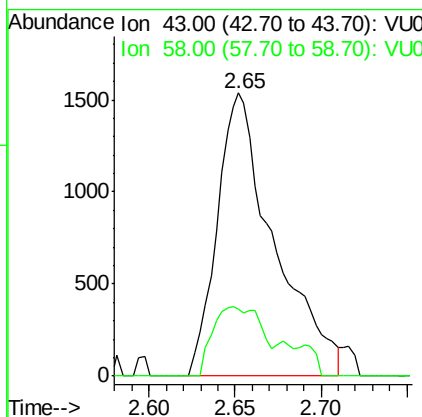
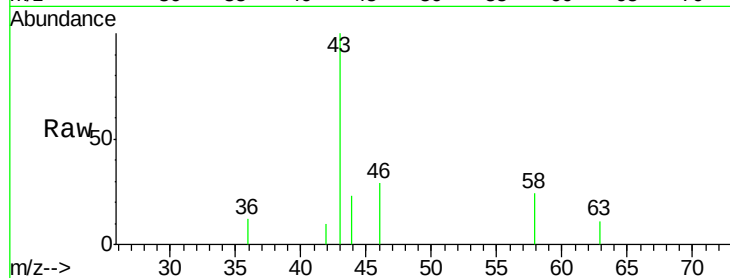
#13
Acetone
Concen: 3.671 ug/L
RT: 2.65 min Scan# 408
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 3535
Ion Ratio Lower Upper
43 100
58 13.6 0.0 59.4

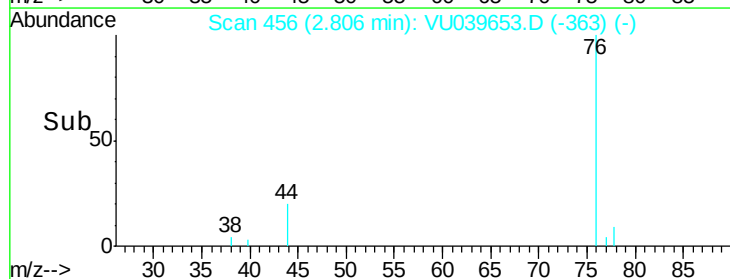
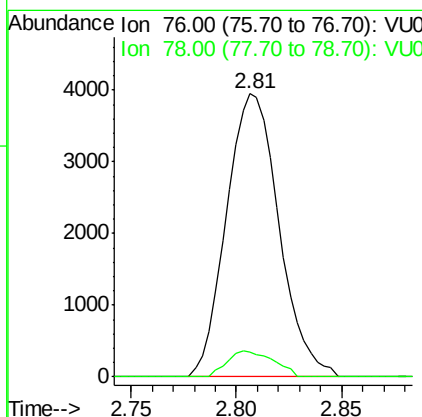
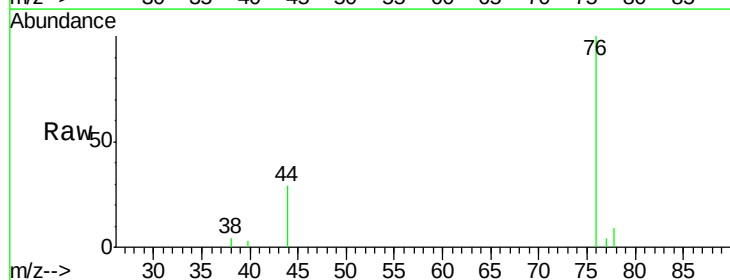
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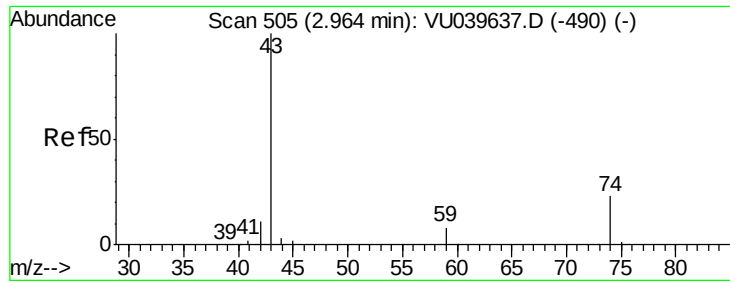
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#14
Carbon disulfide
Concen: 1.945 ug/L
RT: 2.81 min Scan# 456
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion: 76 Resp: 6836
Ion Ratio Lower Upper
76 100
78 8.7 7.3 10.9





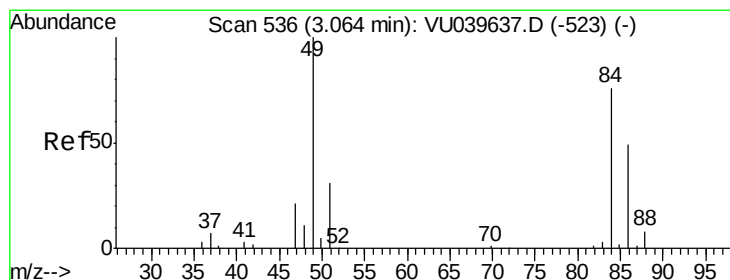
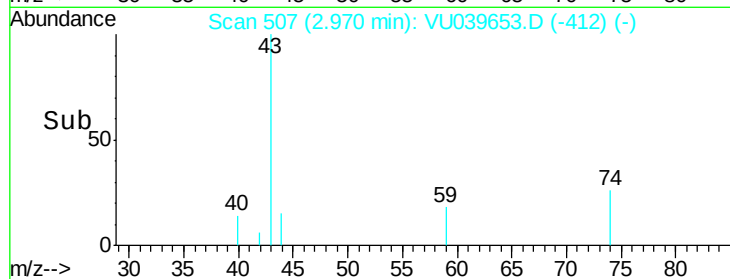
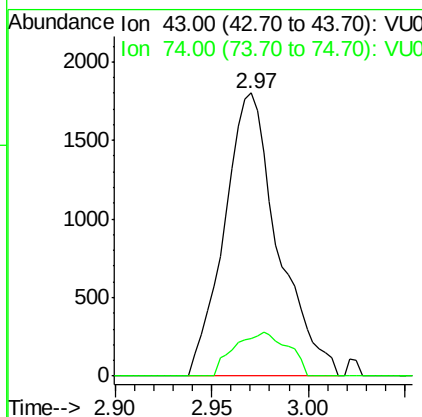
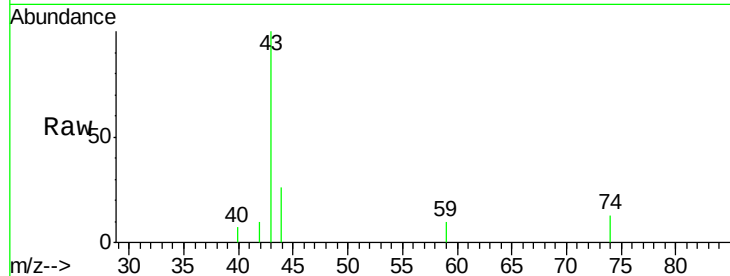
#15
Methvl Acetate
Concen: 2.013 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.01 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

Tot Ion: 43 Resp: 3472
Ion Ratio Lower Upper
43 100
74 15.5 17.4 26.0#

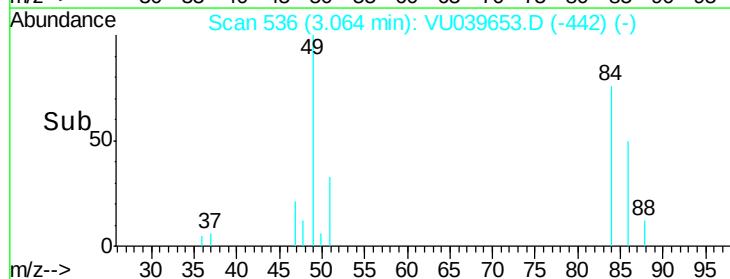
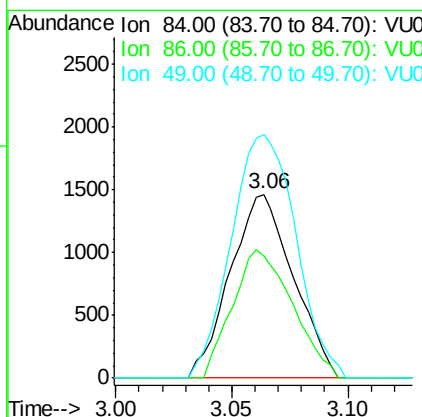
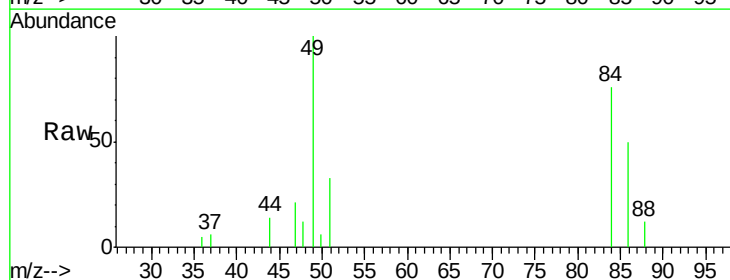
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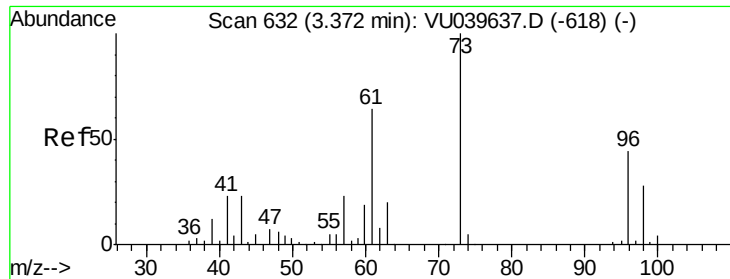
sam
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#16
Methylene chloride
Concen: 2.098 ug/L
RT: 3.06 min Scan# 536
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion: 84 Resp: 2759
Ion Ratio Lower Upper
84 100
86 66.1 46.2 85.8
49 132.4 97.3 180.7





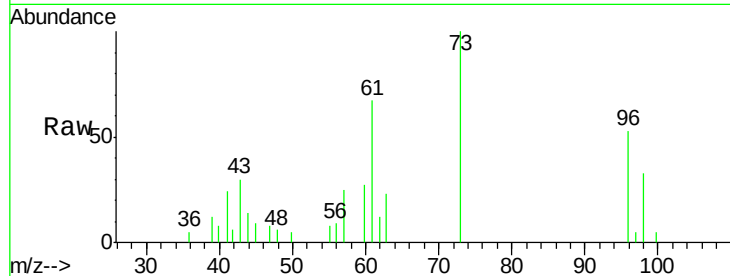
#17
trans-1,2-Dichloroethene
Concen: 1.843 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampled :
MDL07

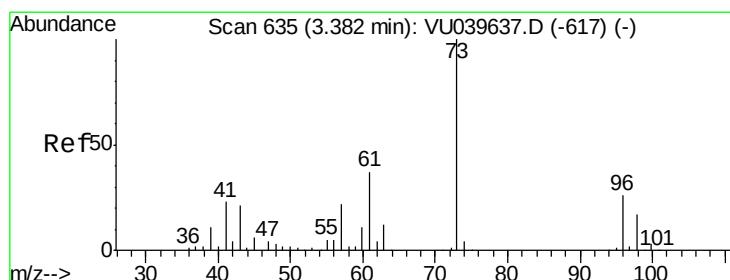
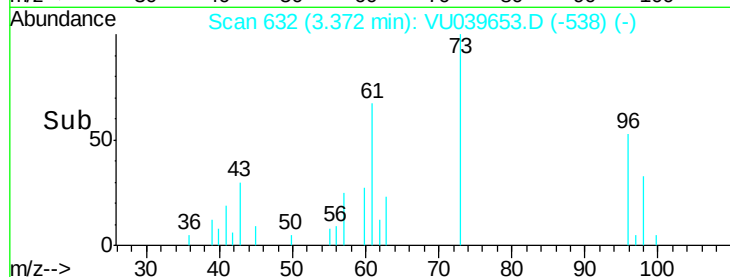
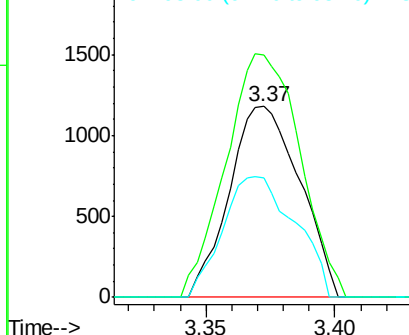
Tot Ion	Ratio	Lower	Upper
96	100		
61	126.6	106.7	198.1
98	62.4	44.3	82.3

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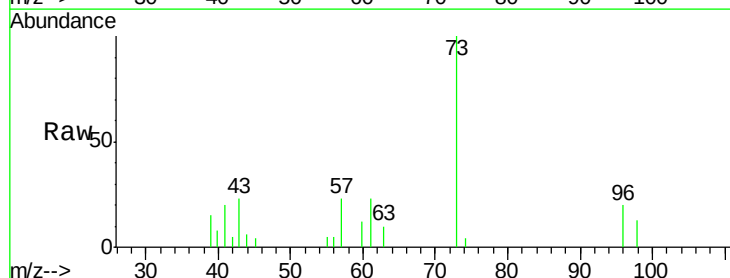


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

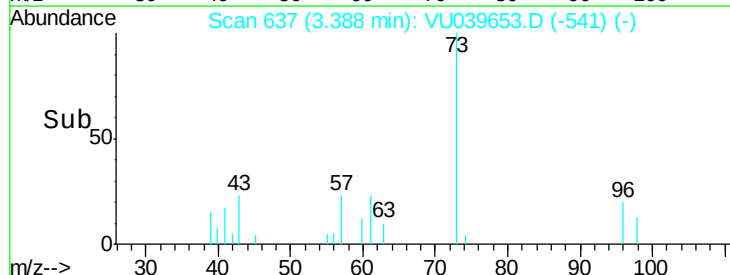
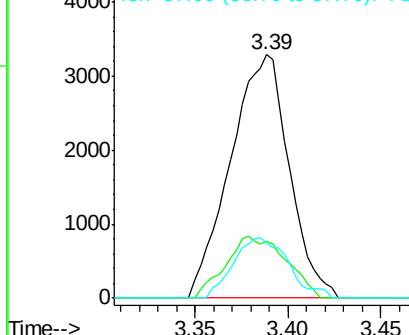


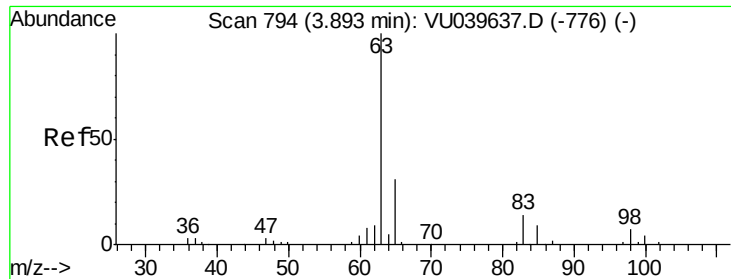
#18
Methyl tert-butyl Ether
Concen: 1.832 ug/L
RT: 3.39 min Scan# 637
Delta R.T. 0.01 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
73	100		
43	15.1	18.2	27.2#
57	22.9	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





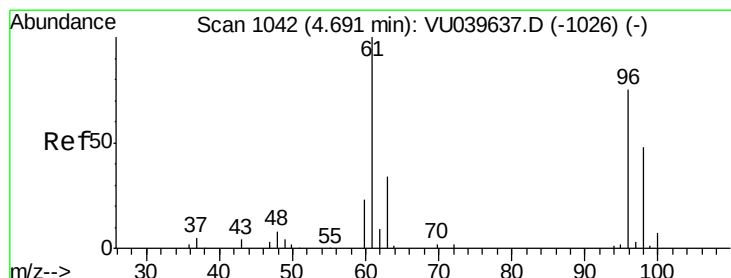
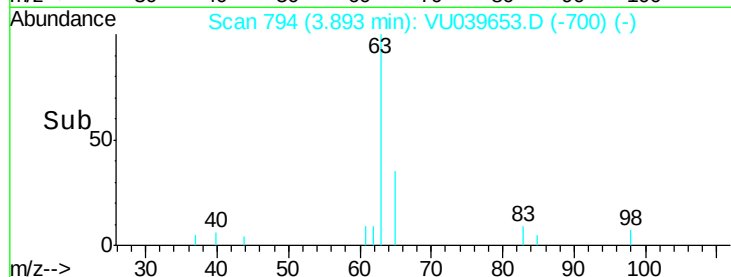
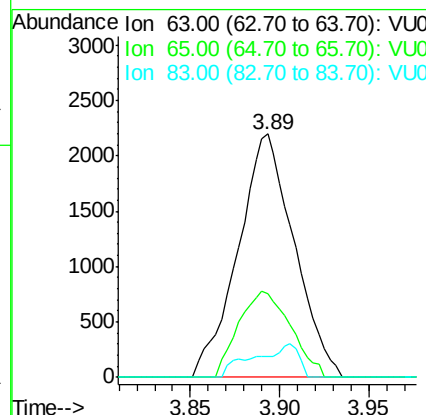
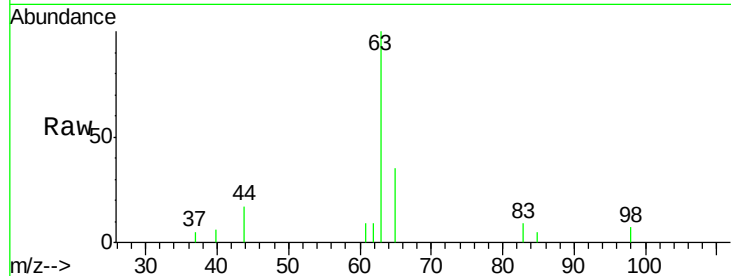
#19
 1,1-Dichloroethane
 Concen: 2.015 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.5	20.4	38.0
83	8.6	9.7	18.1#

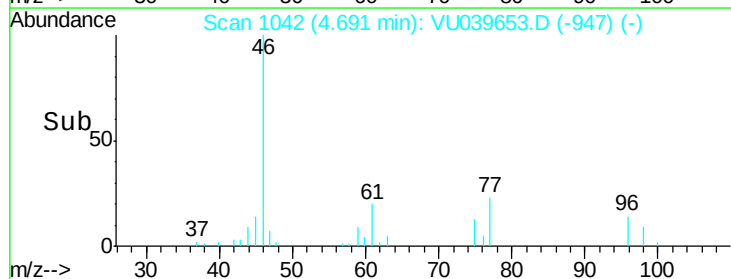
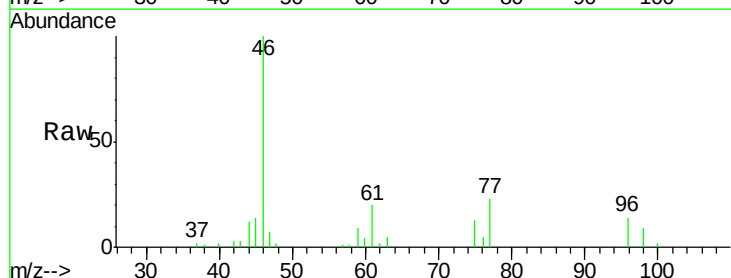
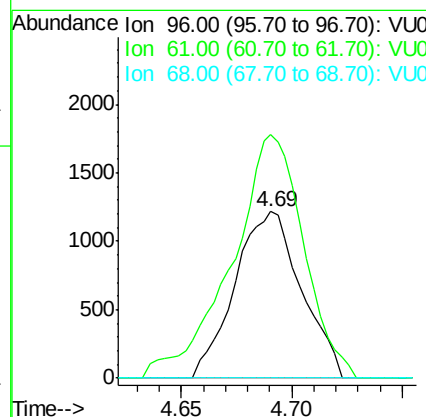
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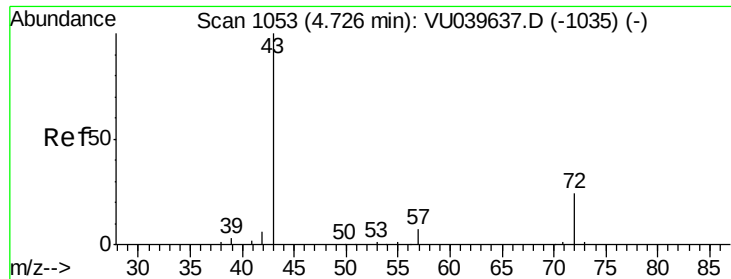
sam
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#20
 cis-1,2-Dichloroethene
 Concen: 1.819 ug/L
 RT: 4.69 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.9	94.0	174.6
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 4.063 ug/L m

RT: 4.75 min Scan# 1059

Delta R.T. 0.02 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampleId :

MDL07

Tot Ion: 43 Resp: 5514

Ion Ratio Lower Upper

43 100

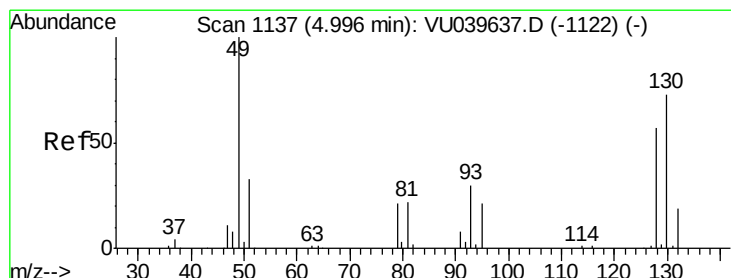
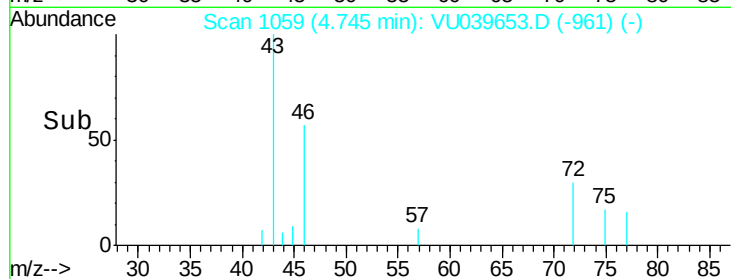
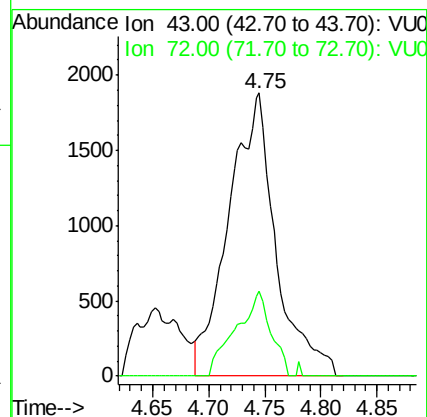
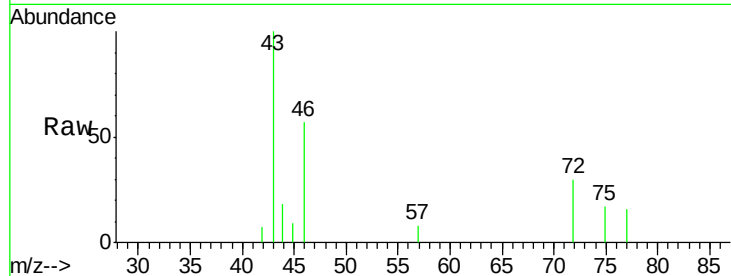
72 0.0 12.8 38.3#

Manual Integrations

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#23

Bromochloromethane

Concen: 1.809 ug/L m

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Tgt Ion: 128 Resp: 1270

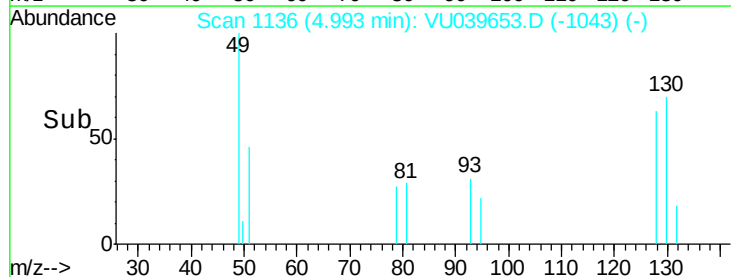
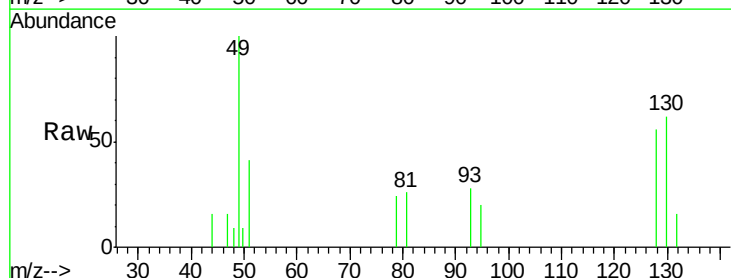
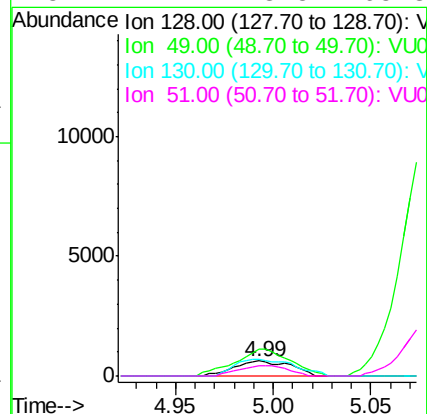
Ion Ratio Lower Upper

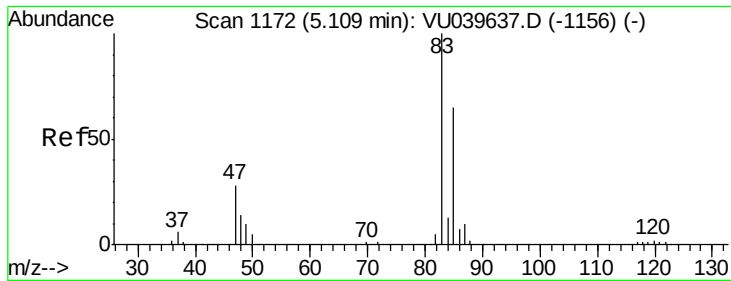
128 100

49 177.6 124.5 231.3

130 110.3 94.4 175.2

51 72.1 43.5 65.3#





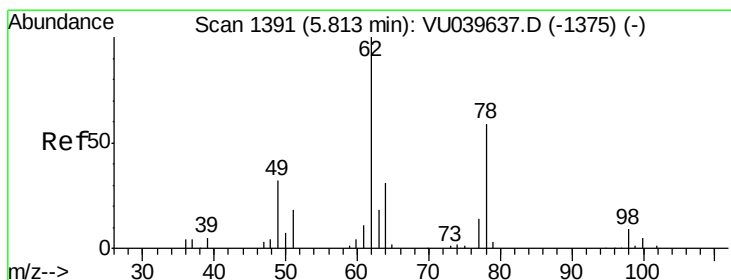
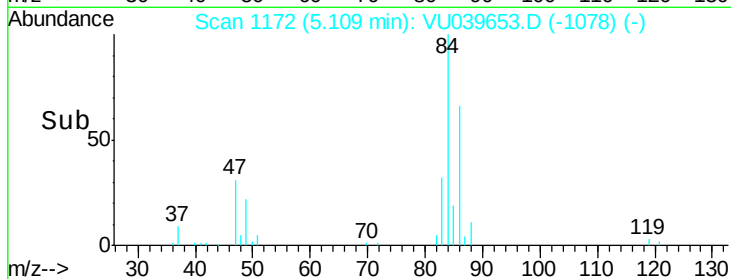
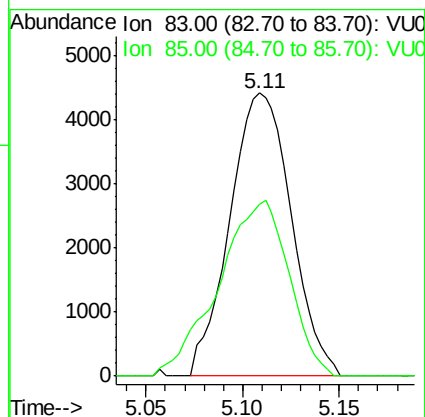
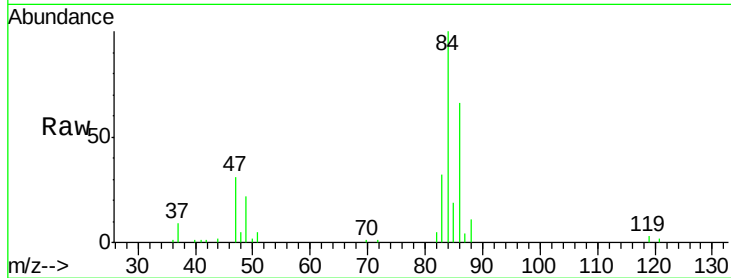
#25
Chloroform
Concen: 3.680 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion: 83 Resp: 9735
Ion Ratio Lower Upper
83 100
85 61.0 45.6 84.6

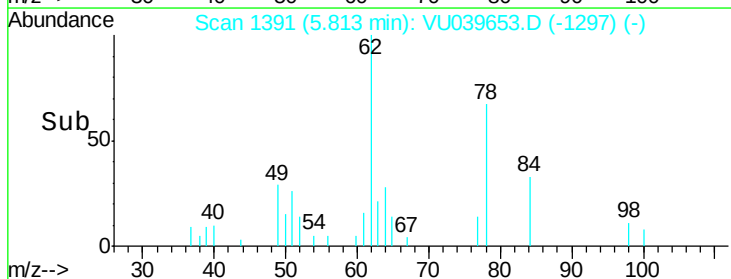
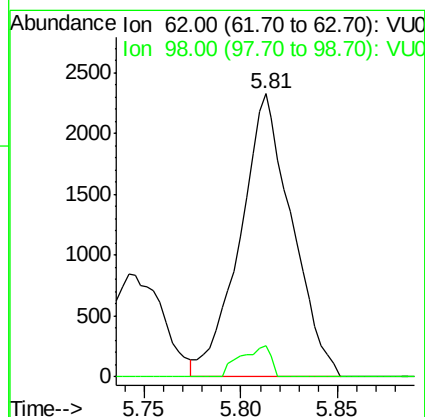
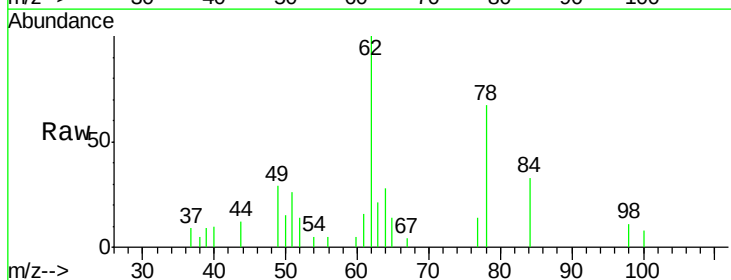
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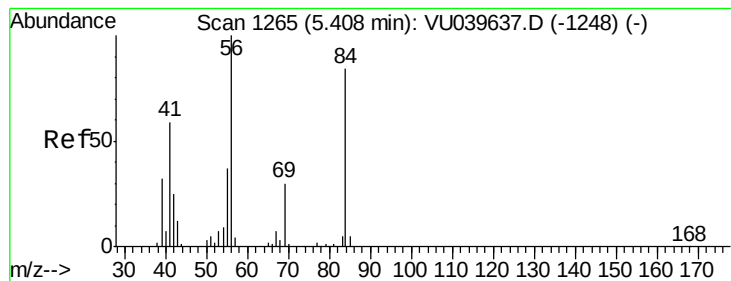
sam
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#27
1,2-Dichloroethane
Concen: 1.974 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion: 62 Resp: 4331
Ion Ratio Lower Upper
62 100
98 11.1 6.4 9.6#





#29

Cyclohexane

Concen: 2.073 ug/L

RT: 5.41 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

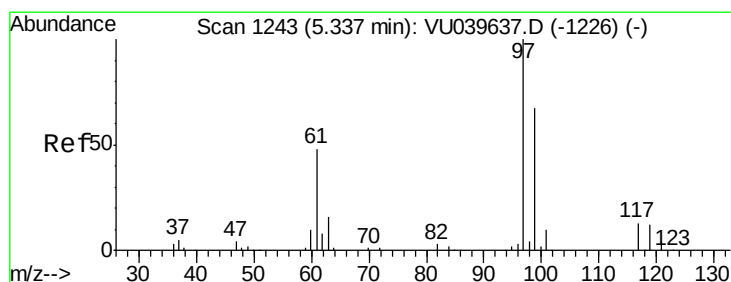
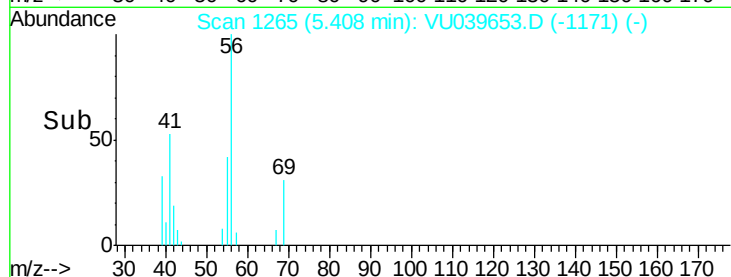
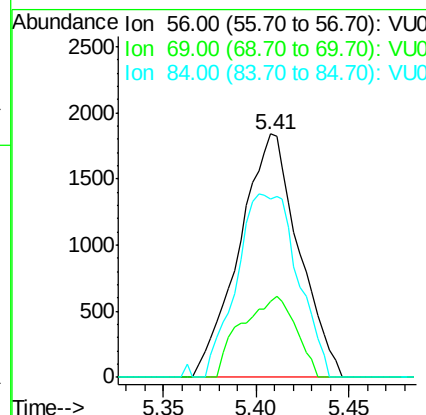
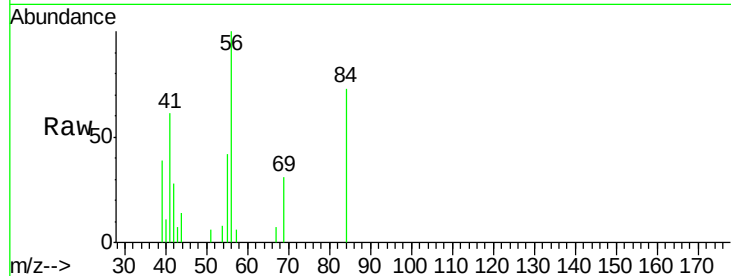
ClientSampleId :

MDL07

Tot Ion:	56	Resp:	4107
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.9	35.9
84	44.7	65.8	98.8#

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#30

1,1,1-Trichloroethane

Concen: 1.951 ug/L

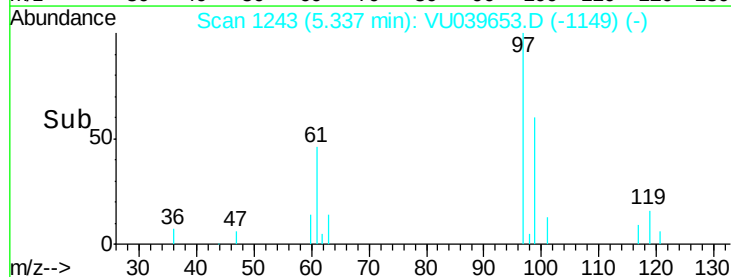
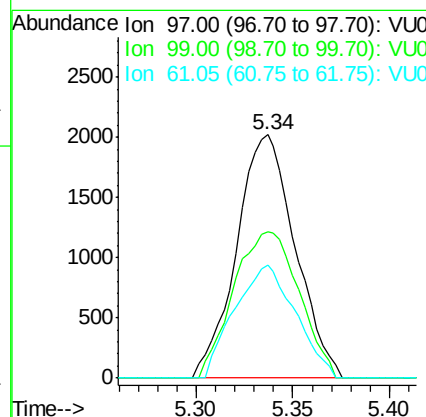
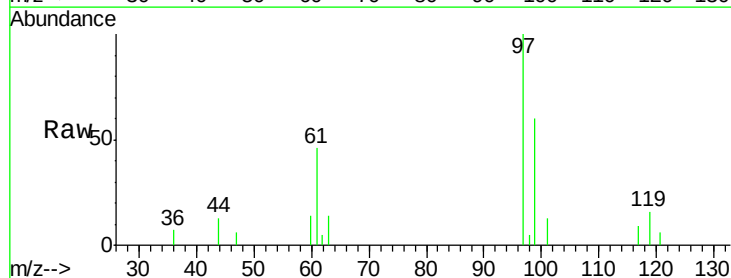
RT: 5.34 min Scan# 1243

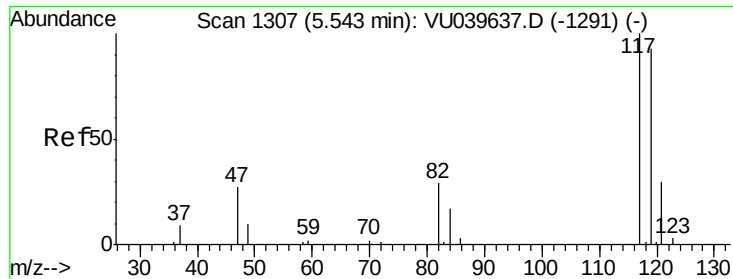
Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Tgt Ion:	97	Resp:	4259
Ion	Ratio	Lower	Upper
97	100		
99	67.1	50.3	75.5
61	48.3	36.0	54.0





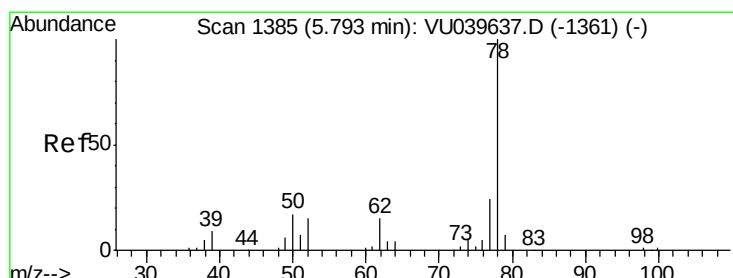
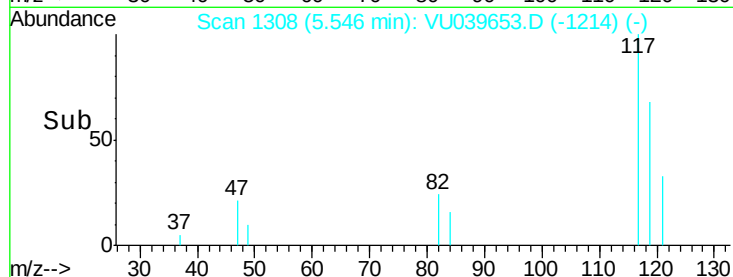
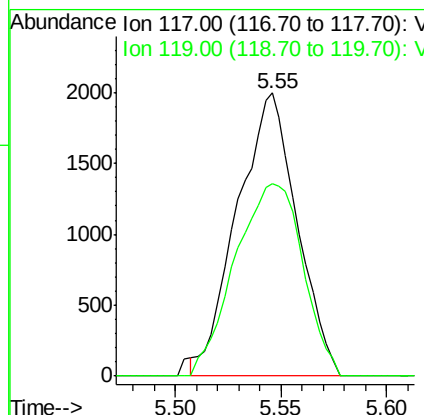
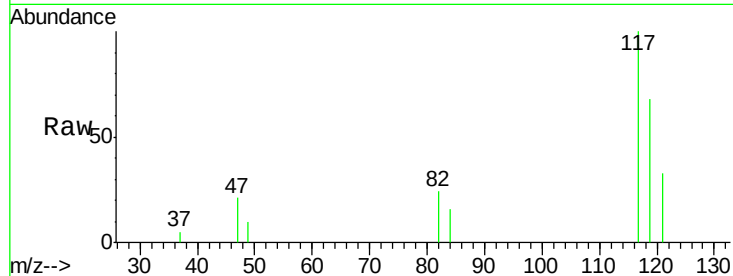
#31
Carbon tetrachloride
Concen: 2.173 ug/L
RT: 5.55 min Scan# 1308
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampleId :
MDL07

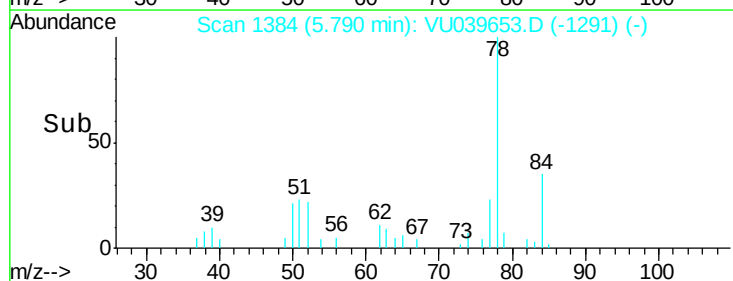
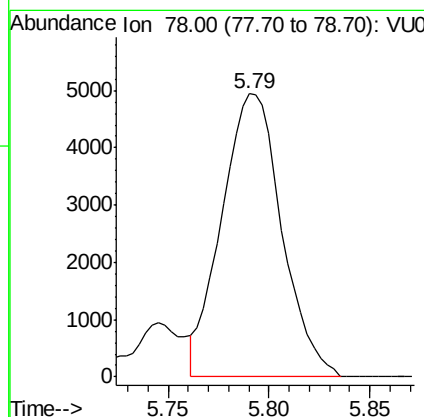
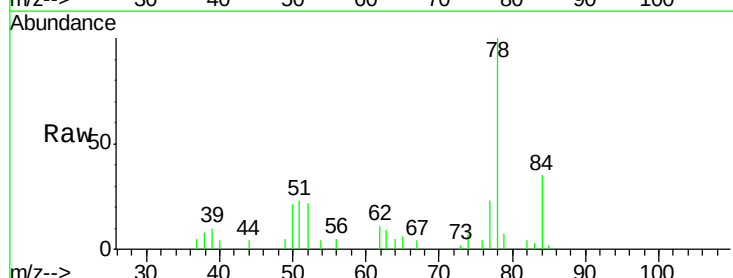
Tot Ion:117 Resp: 3936
Ion Ratio Lower Upper
117 100
119 77.1 78.2 117.4#

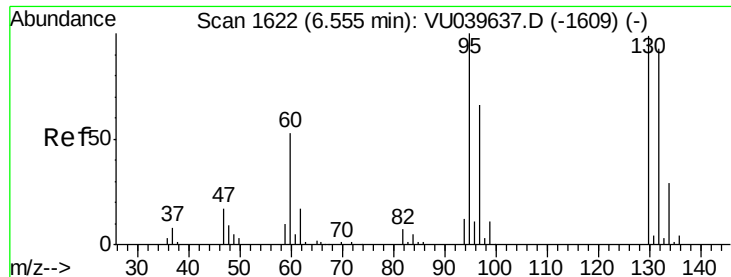
Manual Integrations
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#33
Benzene
Concen: 2.044 ug/L
RT: 5.79 min Scan# 1384
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00
Tgt Ion: 78 Resp: 10274





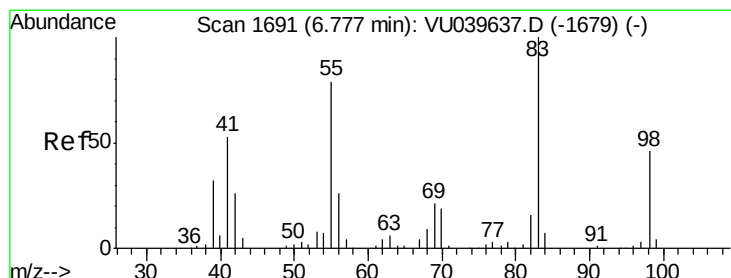
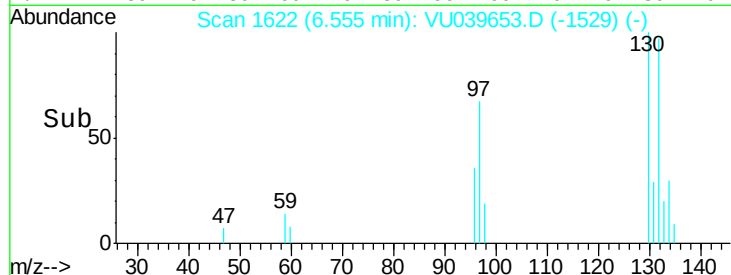
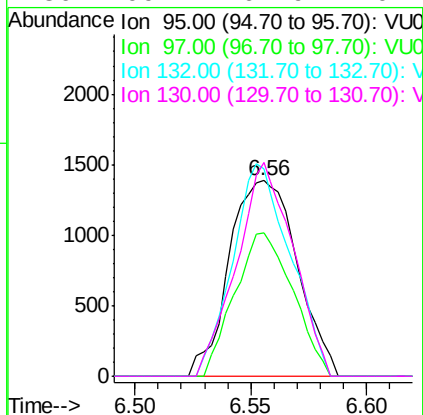
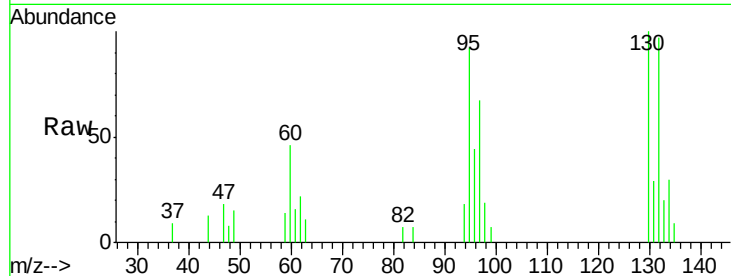
#34
 Trichloroethene
 Concen: 2.117 ug/L
 RT: 6.56 min Scan# 1622
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:	95	Resp:	2815
Ion	Ratio	Lower	Upper
95	100		
97	73.5	45.5	84.5
132	105.8	65.0	120.6
130	109.1	67.9	126.1

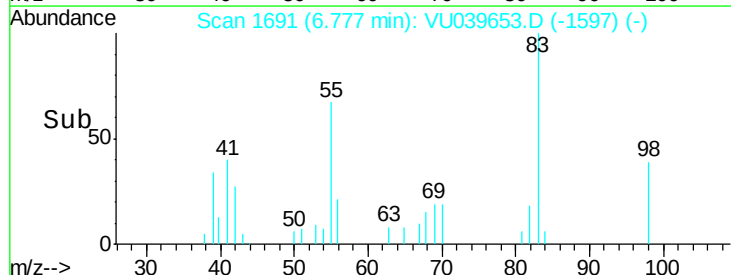
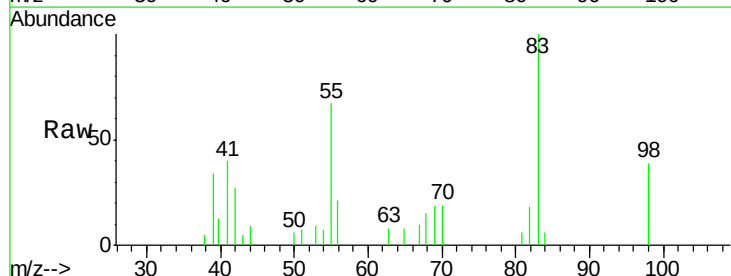
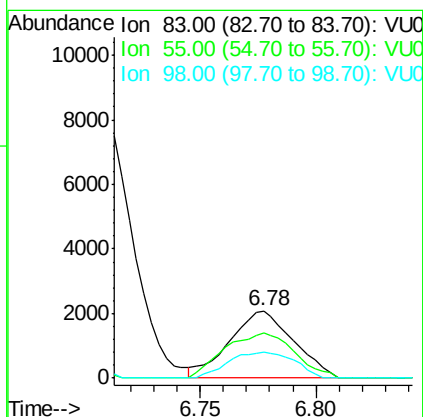
Manual Integrations
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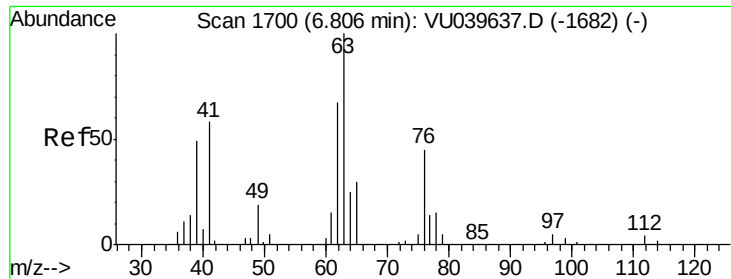
sam
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#35
 Methylcyclohexane
 Concen: 1.932 ug/L
 RT: 6.78 min Scan# 1691
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion:	83	Resp:	3972
Ion	Ratio	Lower	Upper
83	100		
55	73.9	62.9	94.3
98	40.1	36.3	54.5





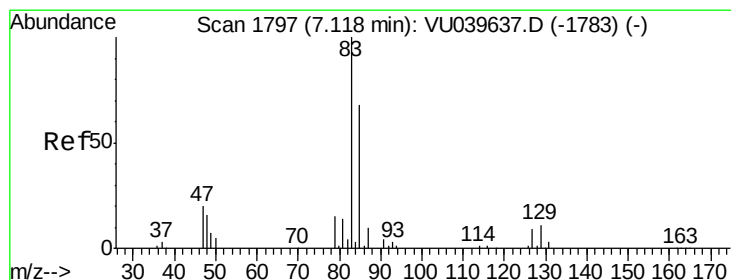
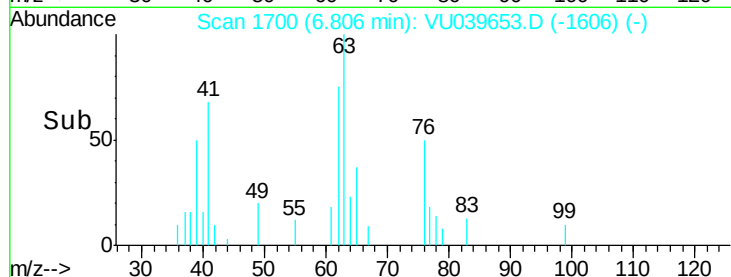
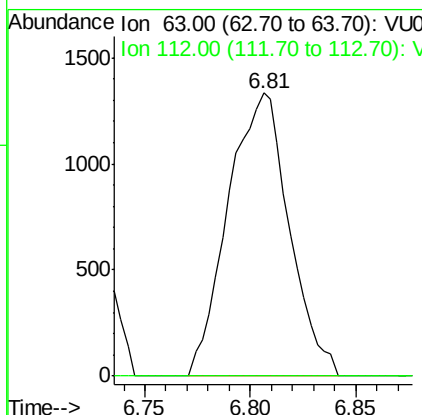
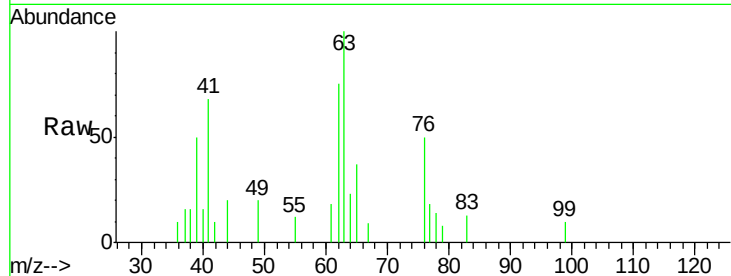
#37
 1,2-Dichloropropane
 Concen: 1.972 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion: 63 Resp: 2684
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#

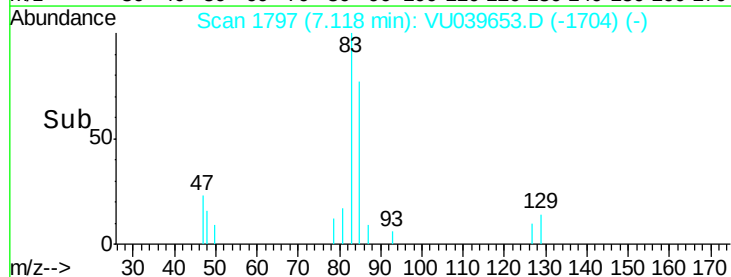
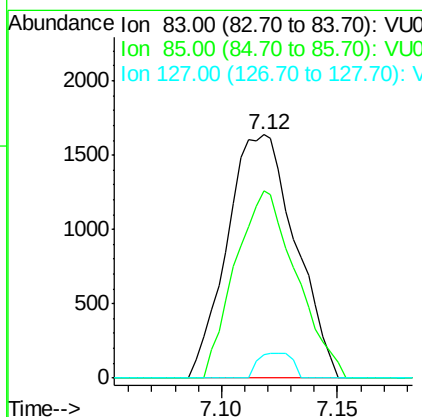
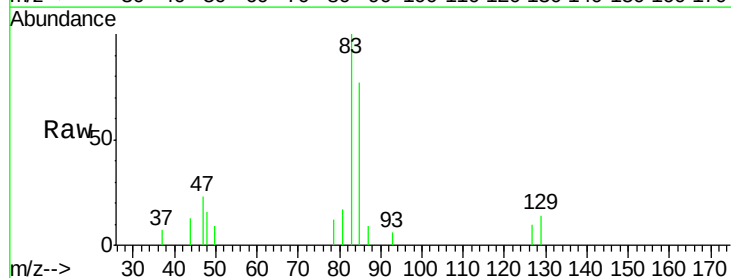
Manual Integrations
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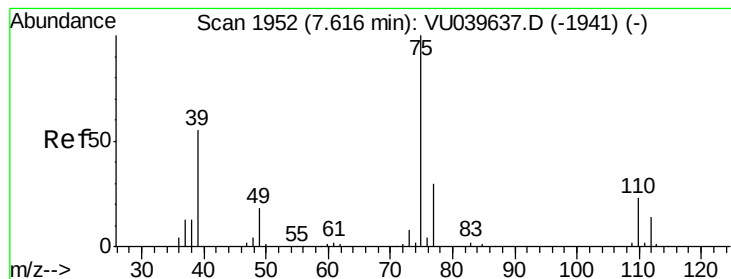
sam
 7/30/2020 2:57:11 AM



#38
 Bromodichloromethane
 Concen: 1.850 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion: 83 Resp: 3344
 Ion Ratio Lower Upper
 83 100
 85 76.7 45.9 85.3
 127 9.5 7.4 11.2





#39

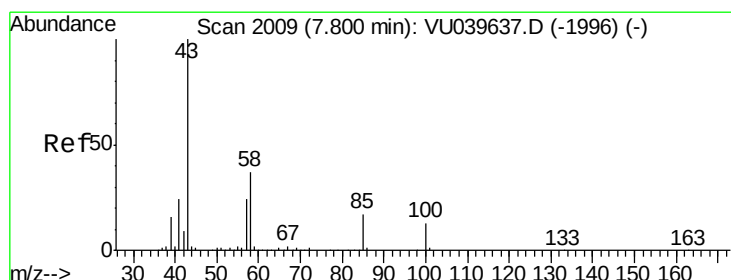
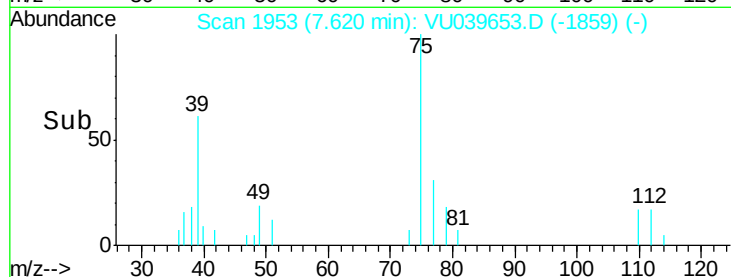
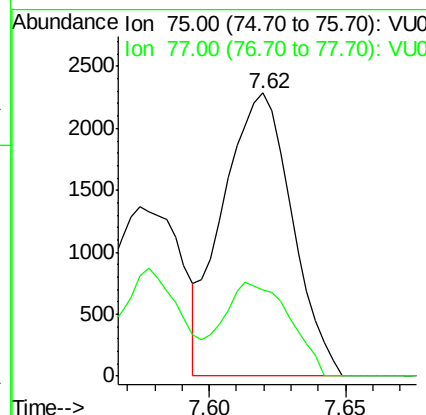
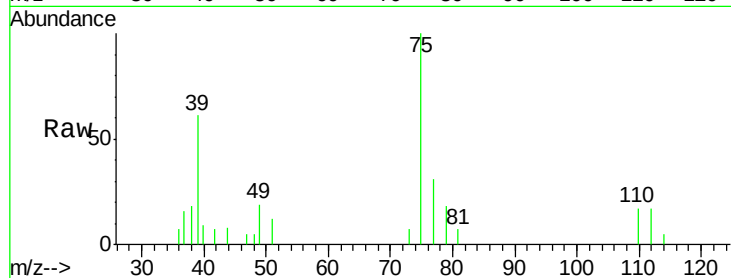
cis-1,3-Dichloropropene
Concen: 1.974 ug/L
RT: 7.62 min Scan# 1953
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion	75	Resp	4014
Ion Ratio	100	Lower	Upper
75	100		
77	30.5	21.8	40.6

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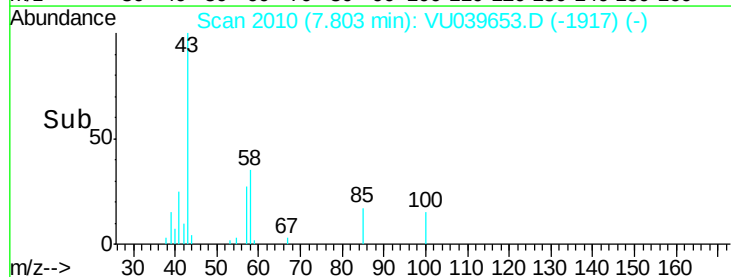
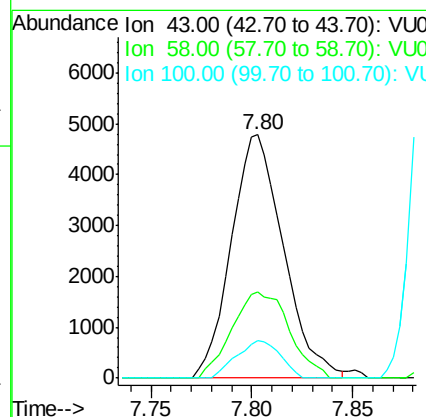
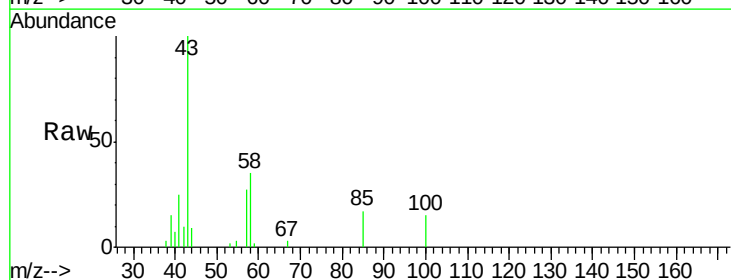
sam
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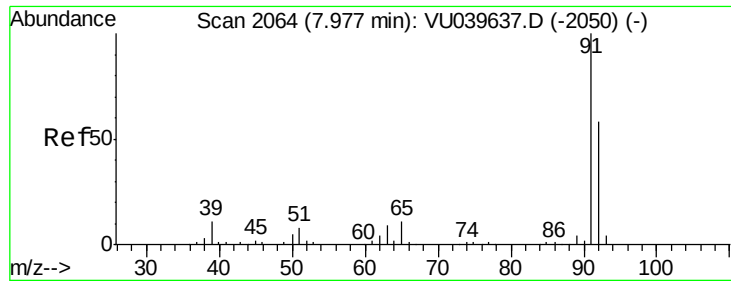


#40

4-Methyl-2-pentanone
Concen: 3.653 ug/L
RT: 7.80 min Scan# 2010
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion	43	Resp	8660
Ion Ratio	100	Lower	Upper
43	100		
58	38.8	29.1	43.7
100	12.9	10.6	16.0





#42

Toluene

Concen: 1.806 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion: 91 Resp: 9985

Ion Ratio Lower Upper

91 100

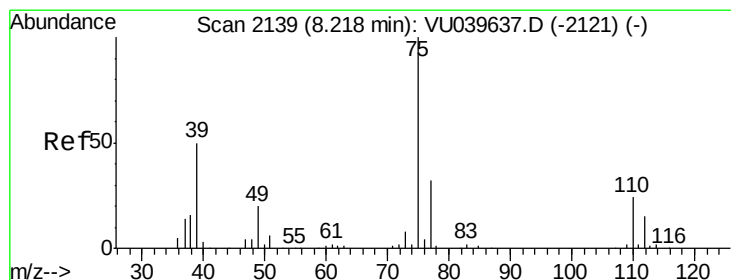
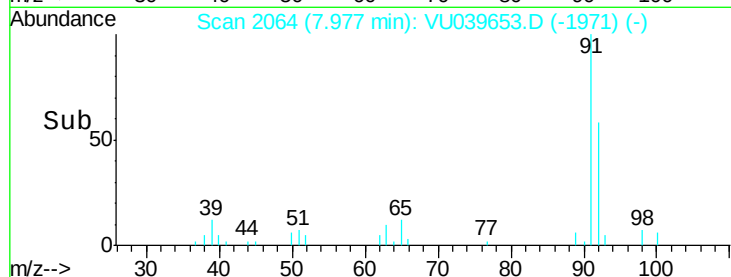
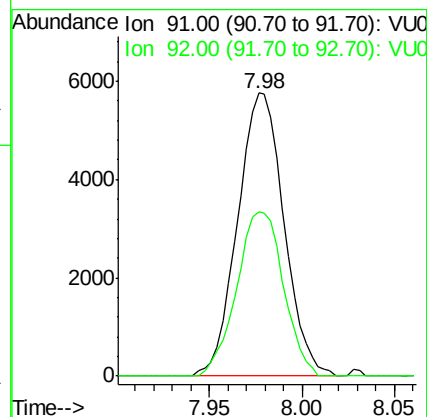
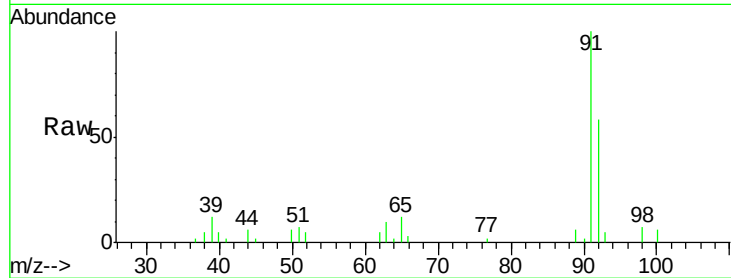
92 58.2 40.1 74.5

Manual Integrations

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#44

trans-1,3-Dichloropropene

Concen: 1.939 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU039653.D

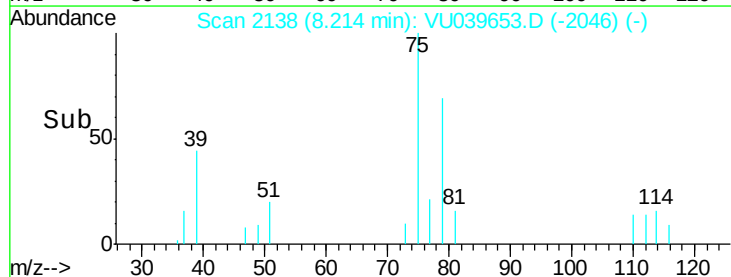
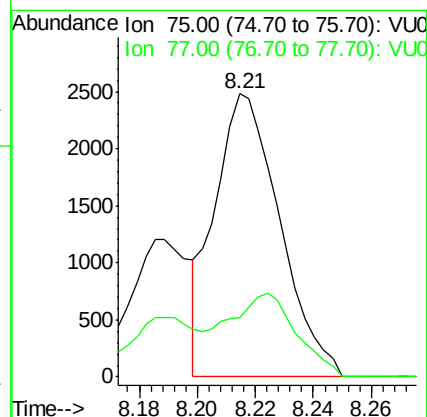
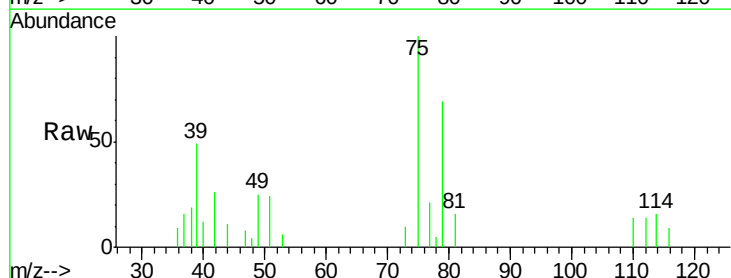
Acq: 23 Jul 2020 22:00

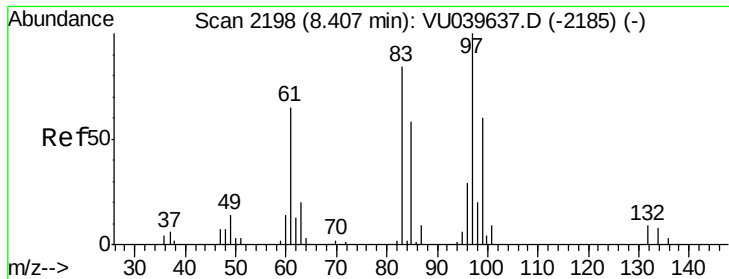
Tgt Ion: 75 Resp: 3862

Ion Ratio Lower Upper

75 100

77 21.2 22.7 42.1#





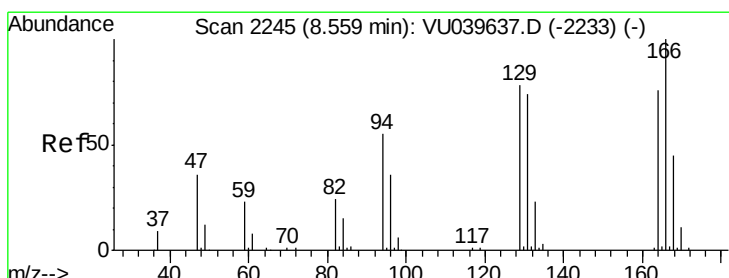
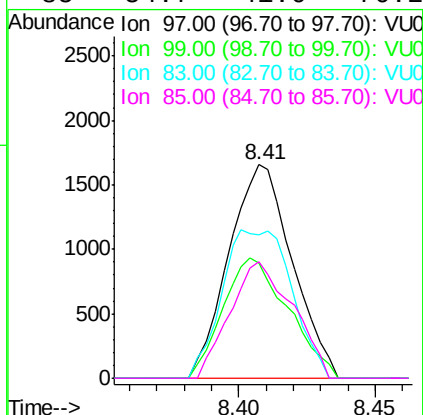
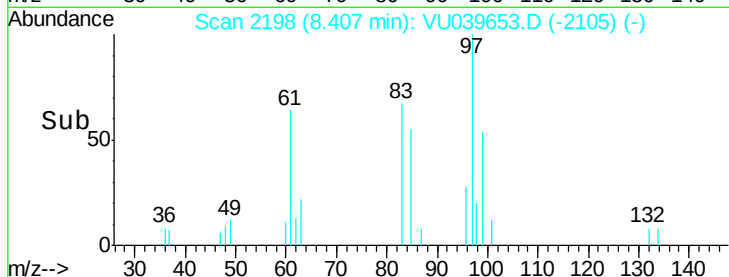
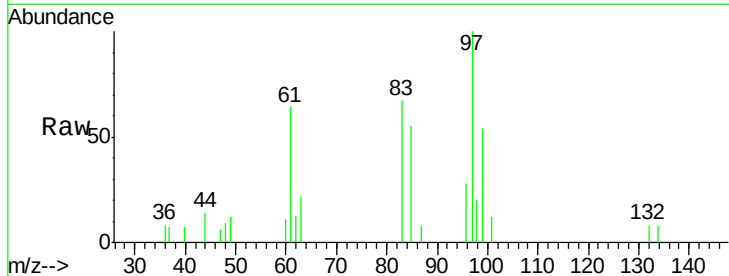
#45
 1,1,2-Trichloroethane
 Concen: 2.058 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion:	97	Resp:	2670
Ion	Ratio	Lower	Upper
97	100		
99	54.1	45.1	83.9
83	67.4	62.7	116.5
85	54.7	41.0	76.2

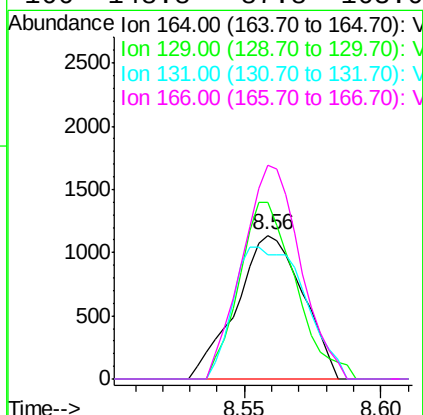
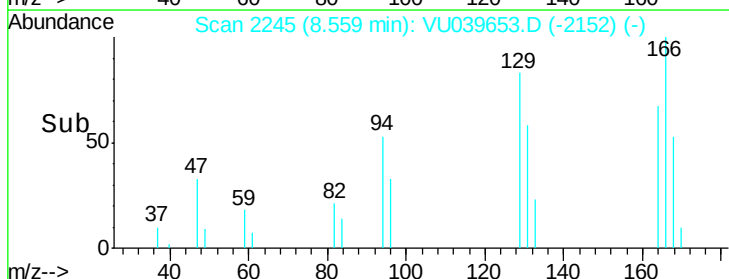
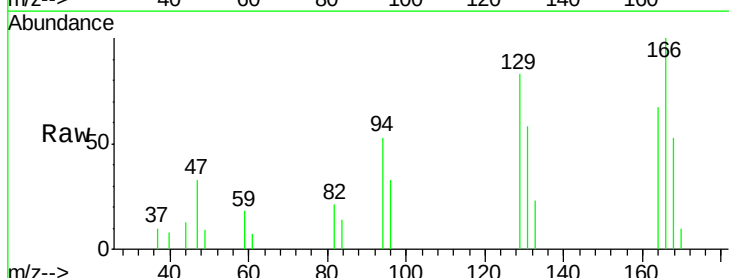
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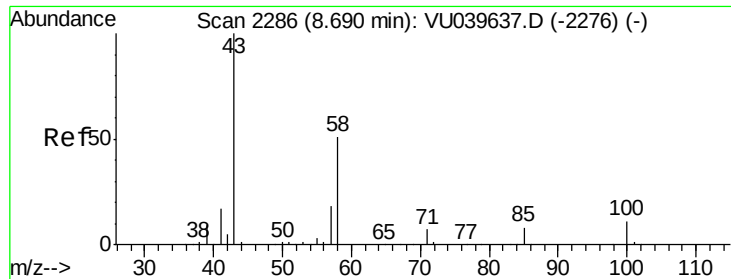
sam
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#46
 Tetrachloroethene
 Concen: 1.903 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion:	164	Resp:	1914
Ion	Ratio	Lower	Upper
164	100		
129	123.1	71.1	132.1
131	86.4	70.3	130.5
166	148.8	87.8	163.0





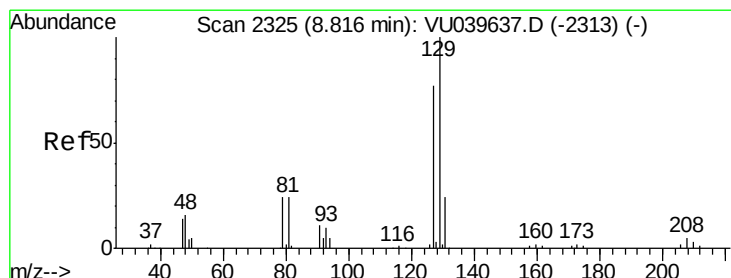
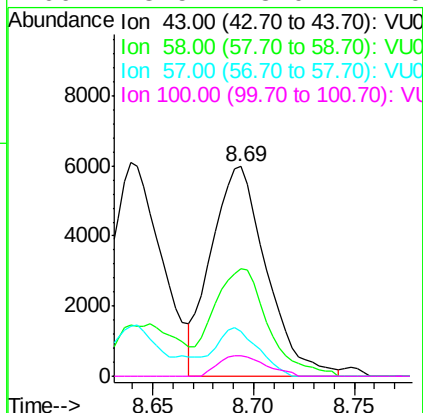
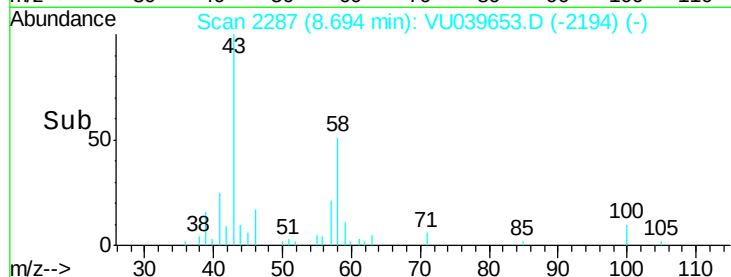
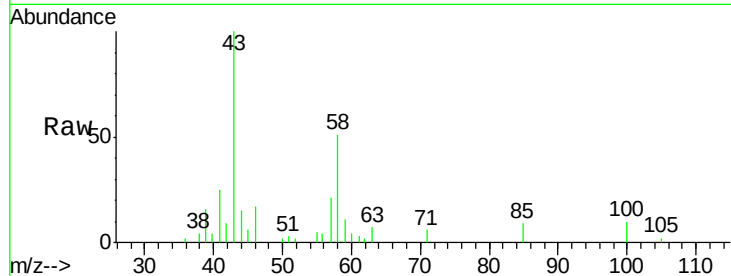
#48
2-Hexanone
Concen: 5.908 ug/L
RT: 8.69 min Scan# 2287
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Instrument :
MSVOA_U
ClientSampled :
MDL07

Tot Ion:	43	Resp:	11412
Ion	Ratio	Lower	Upper
43	100		
58	51.5	40.6	61.0
57	17.7	14.5	21.7
100	8.5	8.0	12.0

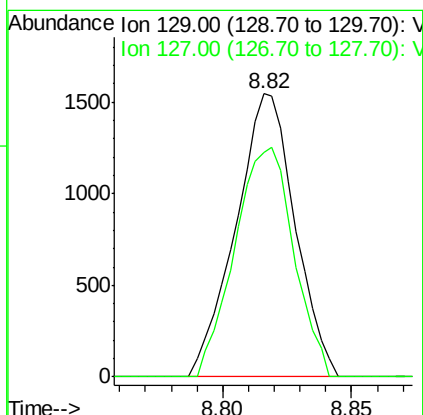
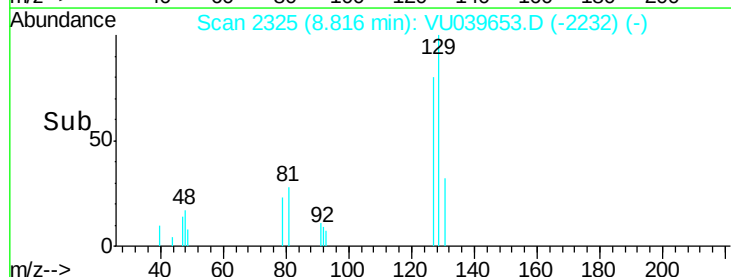
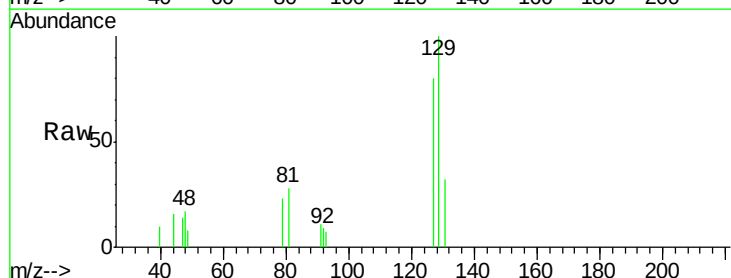
Manual Integrations
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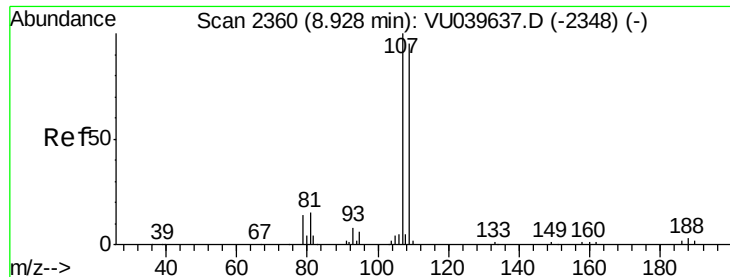
sam
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#49
Dibromochloromethane
Concen: 1.687 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU039653.D
Acq: 23 Jul 2020 22:00

Tgt Ion:	129	Resp:	2472
Ion	Ratio	Lower	Upper
129	100		
127	79.5	54.3	100.9





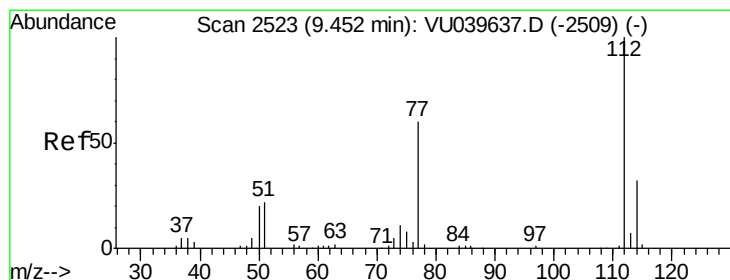
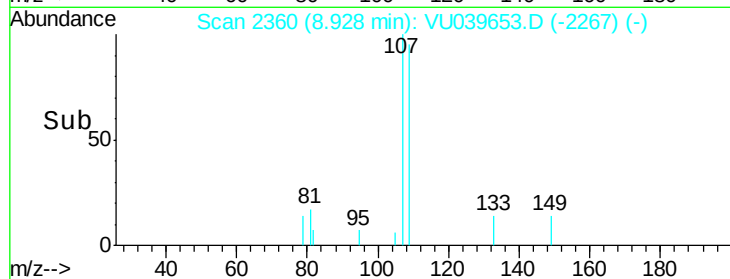
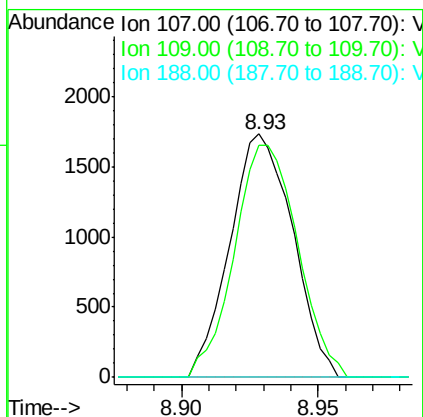
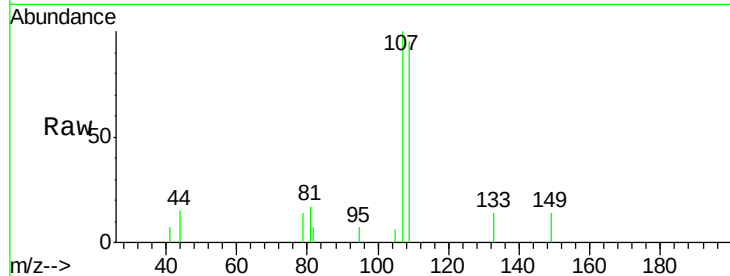
#50
 1,2-Dibromoethane
 Concen: 1.917 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	66.8	124.2
188	0.0	3.0	4.4#

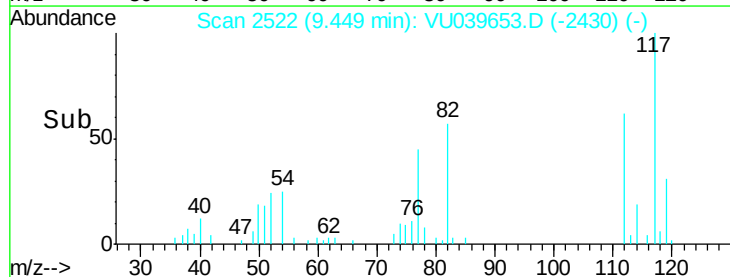
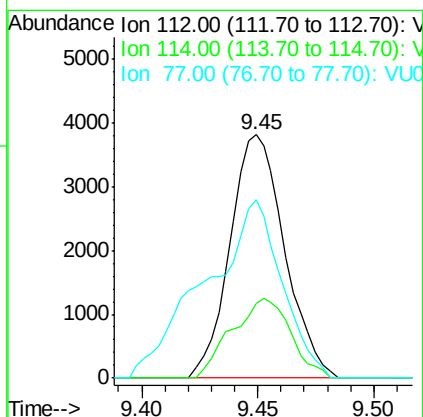
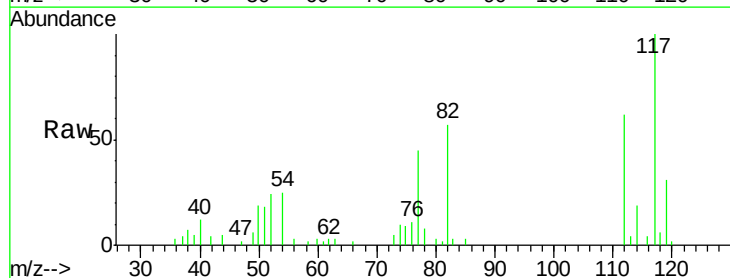
Manual Integrations
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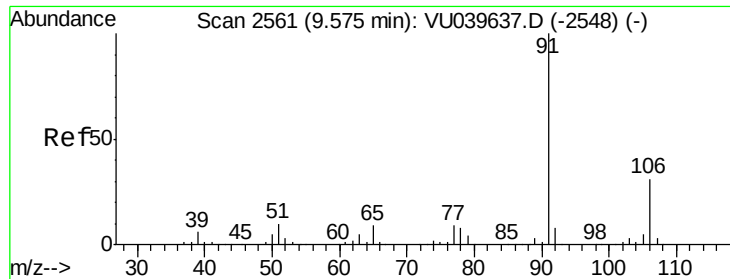
sam
 7/30/2020 2:57:11 AM



#51
 Chlorobenzene
 Concen: 1.763 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	22.9	42.5
77	73.0	49.4	74.0





#52

Ethylbenzene

Concen: 1.857 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Tot Ion: 91 Resp: 11341

Ion Ratio Lower Upper

91 100

106 32.7 21.1 39.1

Instrument :

MSVOA_U

ClientSampled :

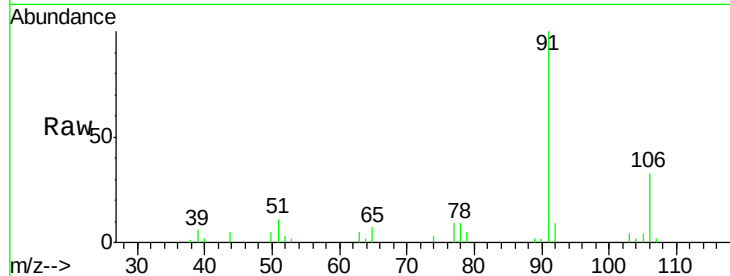
MDL07

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VU039653.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039653.D (-2548) (-)

9.57

8000

6000

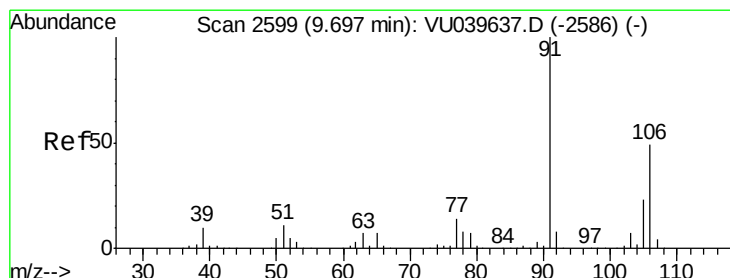
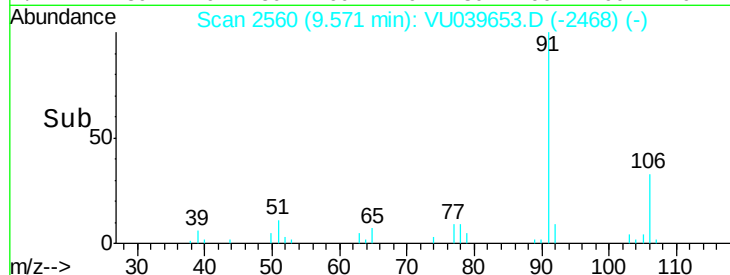
4000

2000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 1.738 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU039653.D

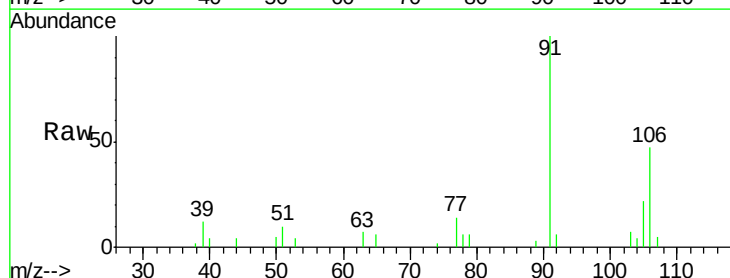
Acq: 23 Jul 2020 22:00

Tgt Ion: 106 Resp: 4002

Ion Ratio Lower Upper

106 100

91 211.1 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039653.D (-2598) (-)

Ion 91.00 (90.70 to 91.70): VU039653.D (-2598) (-)

9.69

6000

5000

4000

3000

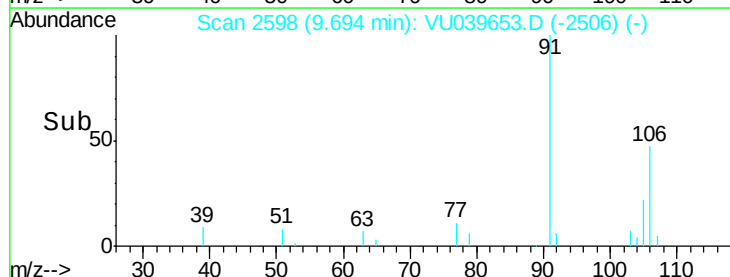
2000

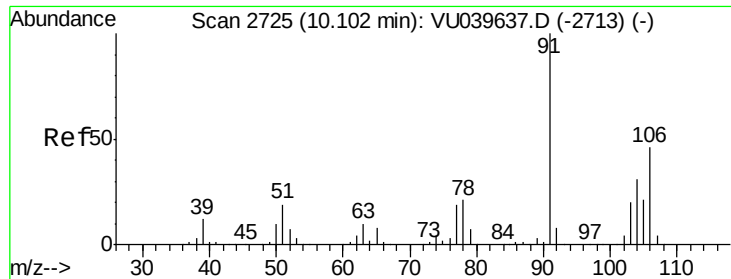
1000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 1.729 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

ClientSampled :

MDL07

Tot Ion:106 Resp: 3820

Ion Ratio Lower Upper

106 100

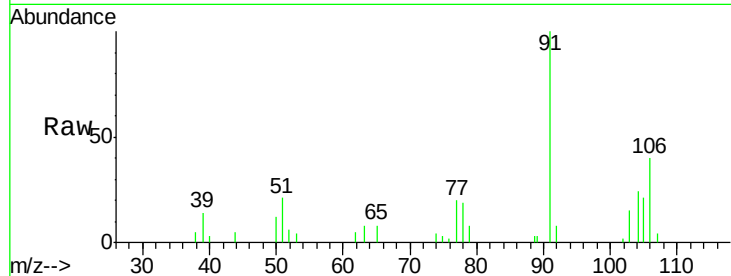
91 251.1 155.1 288.1

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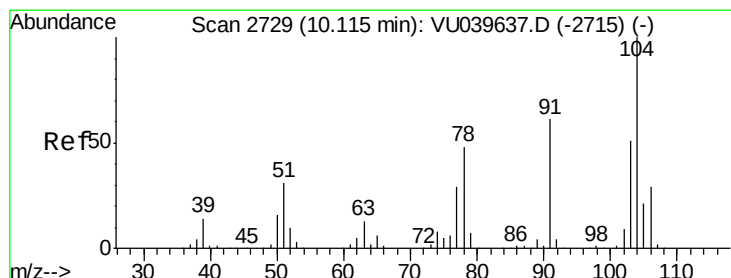
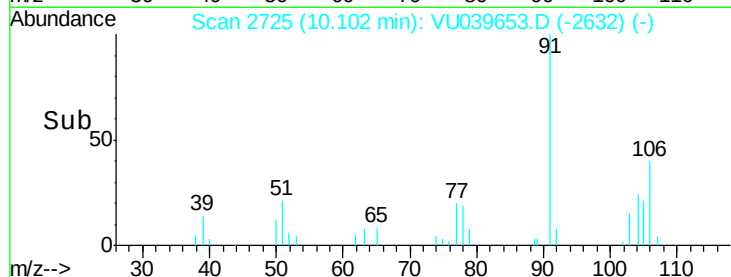
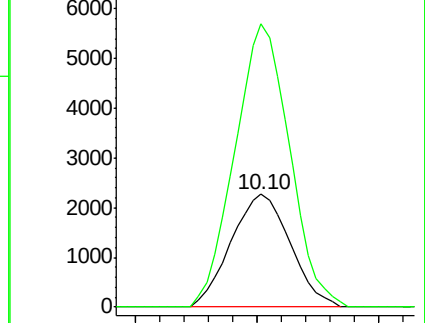
sam

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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: 1.496 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039653.D

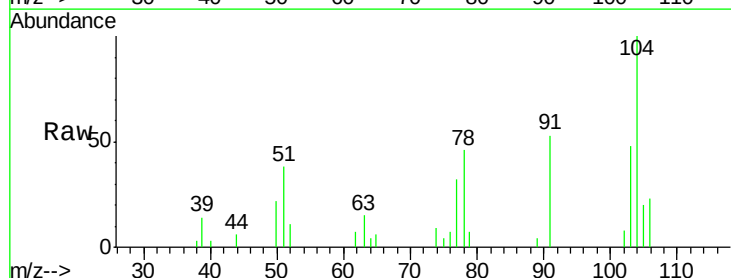
Acq: 23 Jul 2020 22:00

Tgt Ion:104 Resp: 5721

Ion Ratio Lower Upper

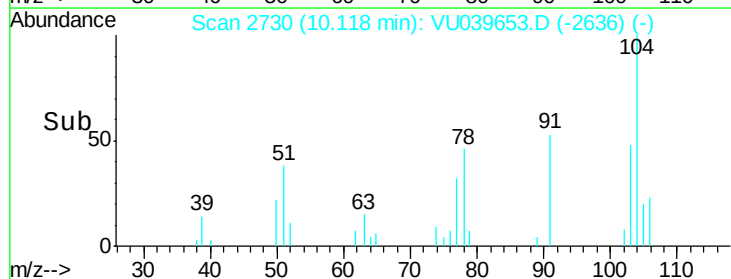
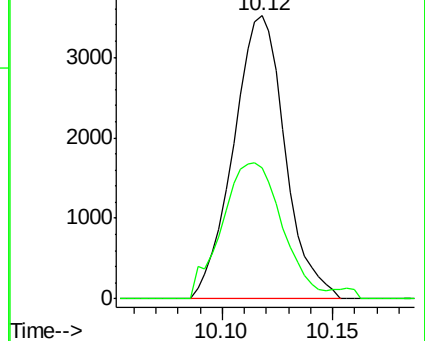
104 100

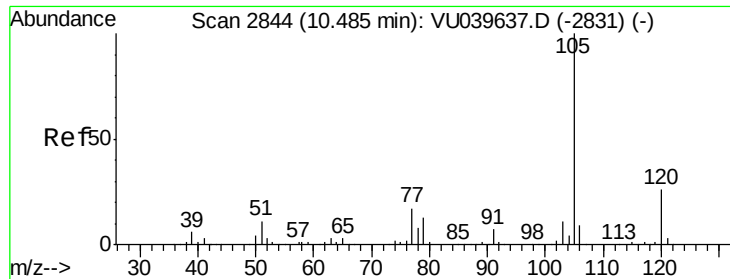
78 46.2 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.797 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

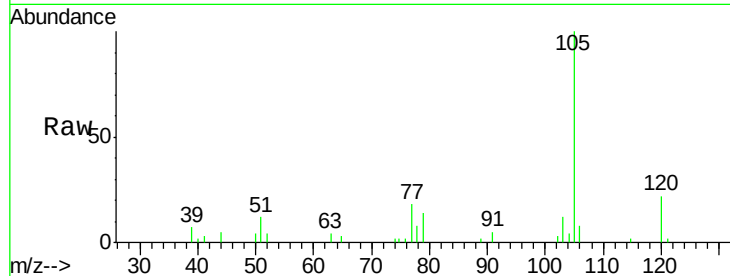
ClientSampleId :

MDL07

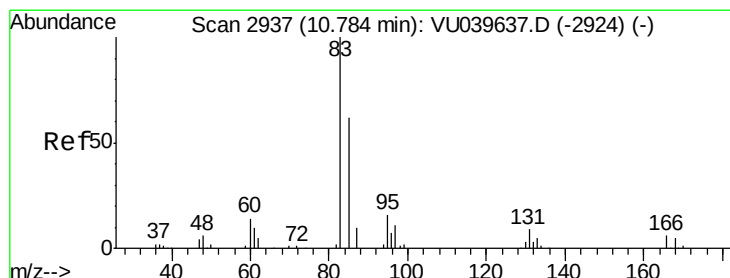
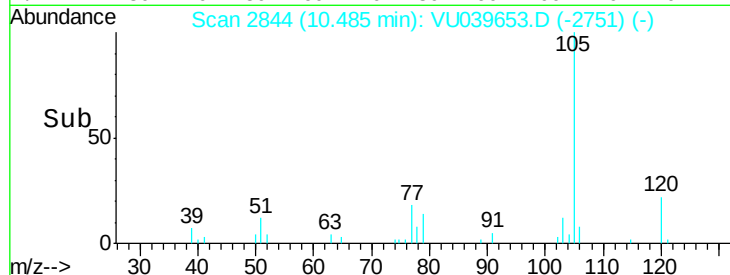
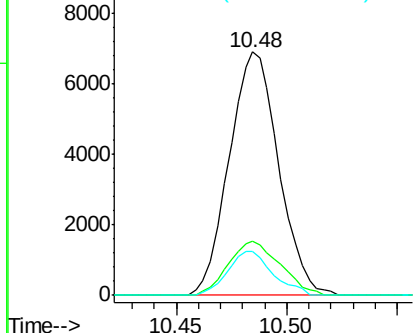
Tot Ion:	105	Resp:	10780
Ion Ratio	Lower	Upper	
105	100		
120	23.1	20.6	31.0
77	16.6	13.4	20.2

Manual Integrations
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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: 1.791 ug/L

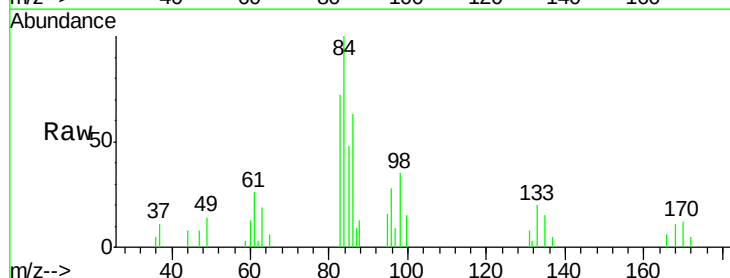
RT: 10.78 min Scan# 2937

Delta R.T. 0.00 min

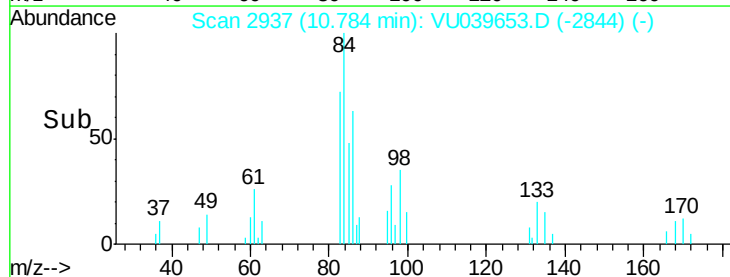
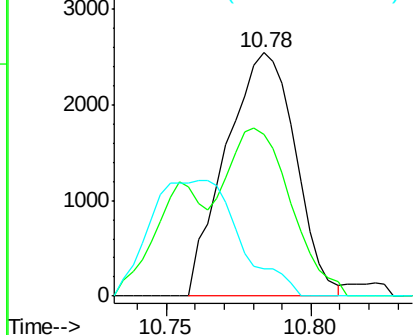
Lab File: VU039653.D

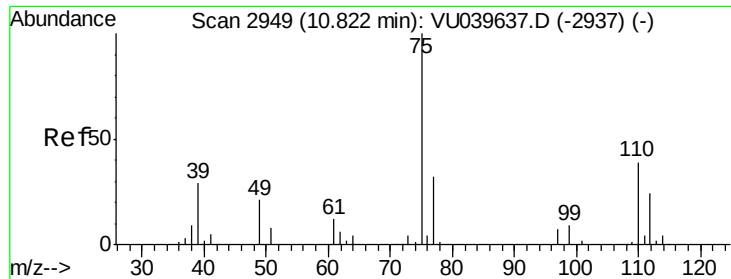
Acq: 23 Jul 2020 22:00

Tgt Ion:	83	Resp:	4236
Ion Ratio	Lower	Upper	
83	100		
85	66.2	46.4	86.2
131	15.5	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





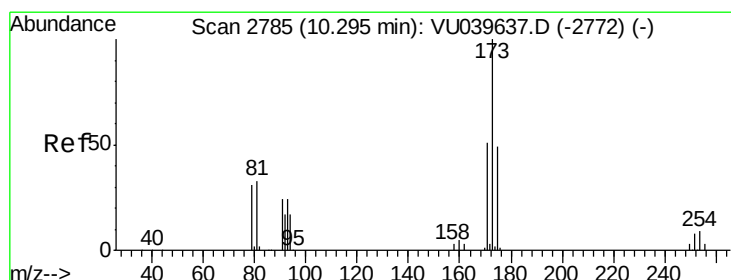
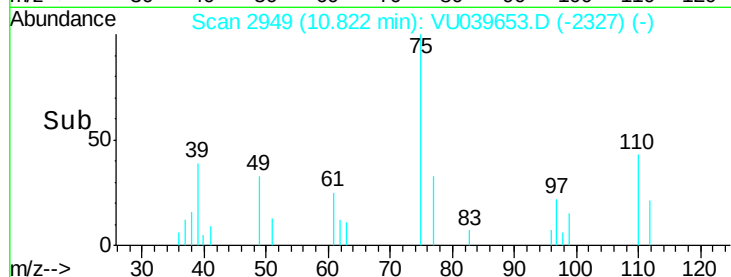
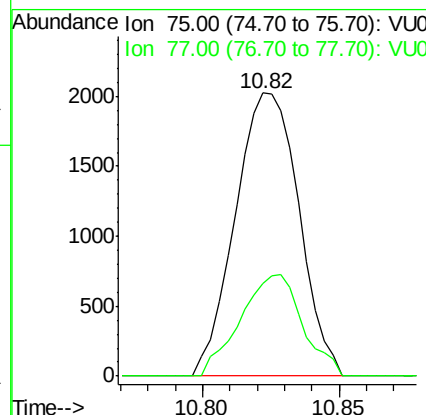
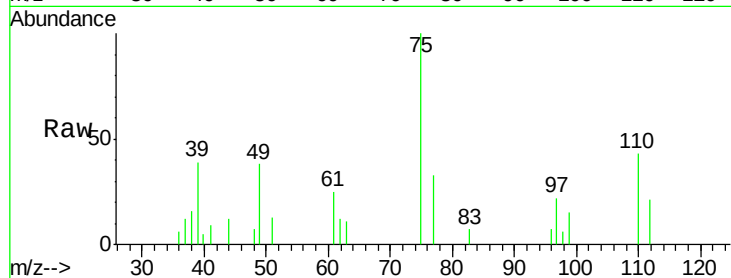
#59
 1,2,3-Trichloropropane
 Concen: 1.660 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion: 75 Resp: 3278
 Ion Ratio Lower Upper
 75 100
 77 35.0 25.4 38.2

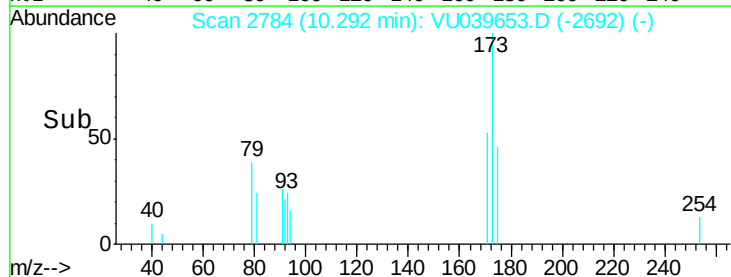
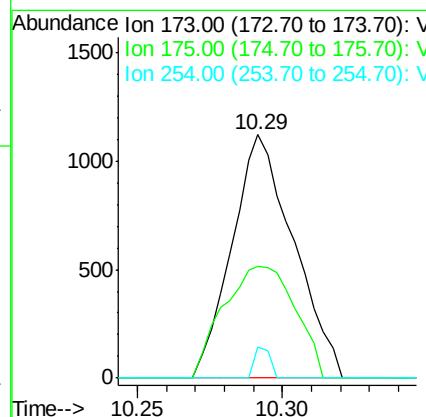
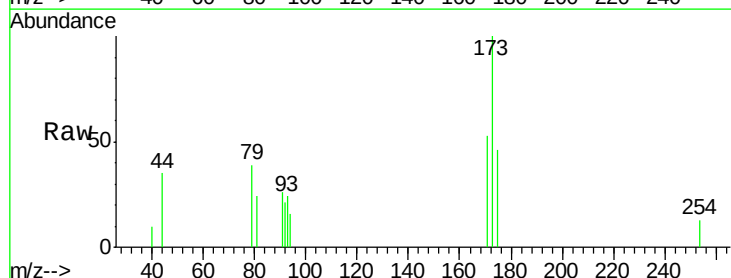
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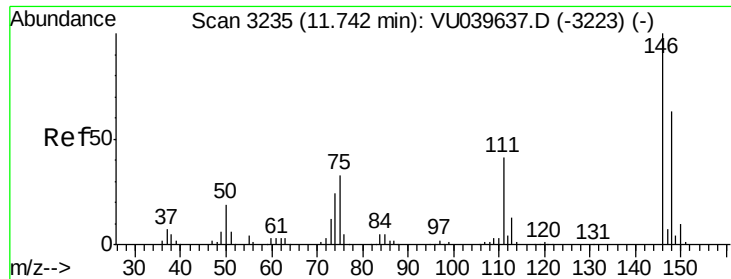
sam
 7/30/2020 2:57:11 AM



#61
 Bromoform
 Concen: 1.643 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. -0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion: 173 Resp: 1653
 Ion Ratio Lower Upper
 173 100
 175 53.7 38.4 57.6
 254 3.1 7.0 10.6#





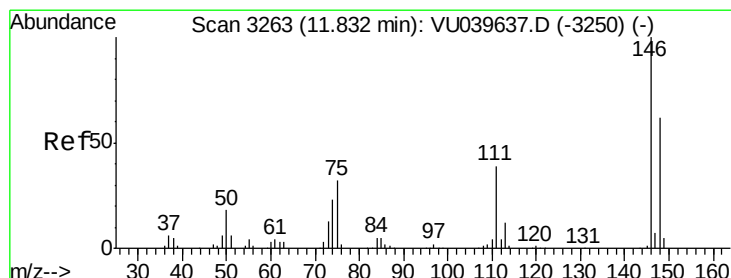
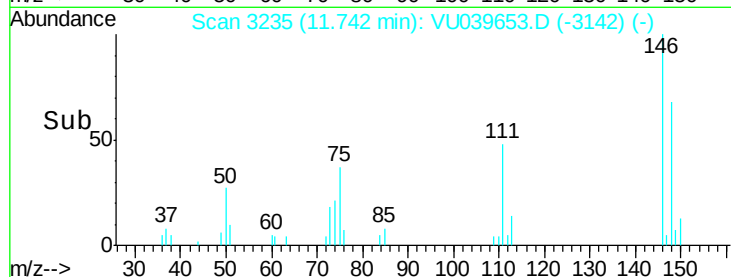
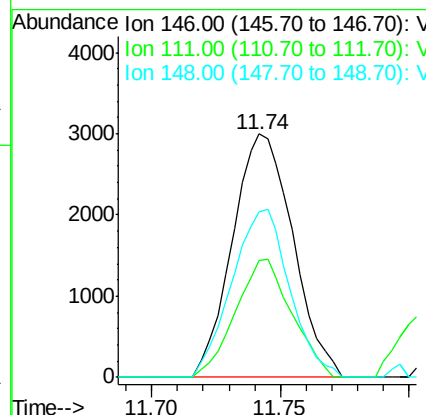
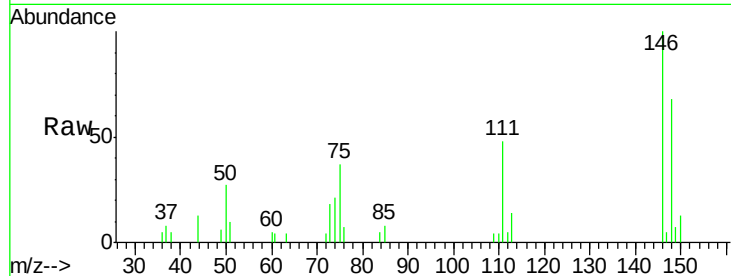
#62
 1,3-Dichlorobenzene
 Concen: 1.882 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.2	29.3	54.3
148	67.8	46.1	85.5

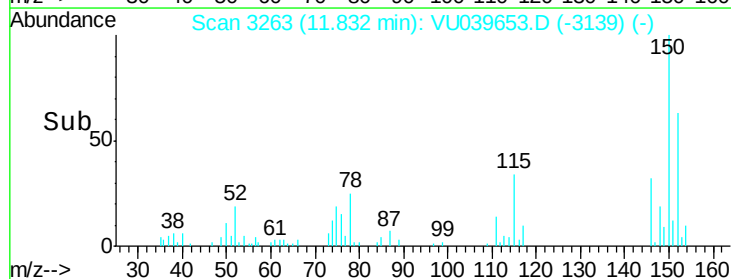
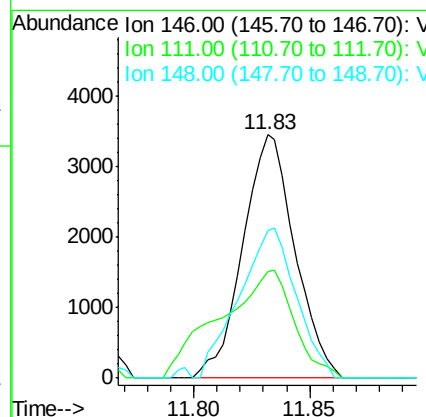
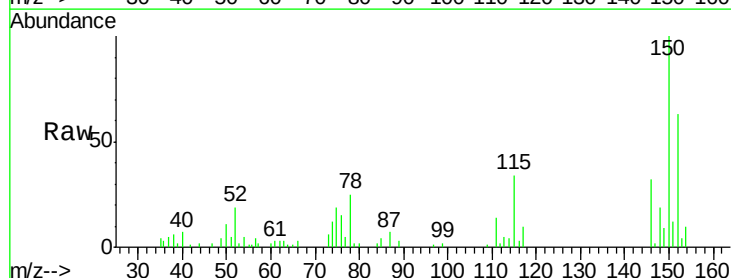
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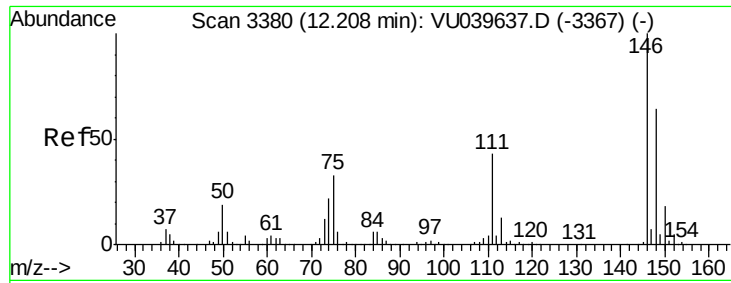
sam
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#63
 1,4-Dichlorobenzene
 Concen: 2.060 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.7	27.8	51.6
148	60.8	44.7	83.1





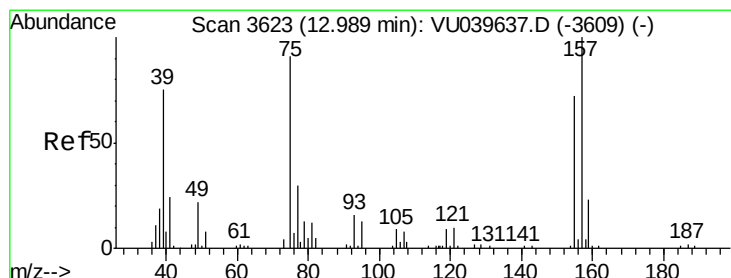
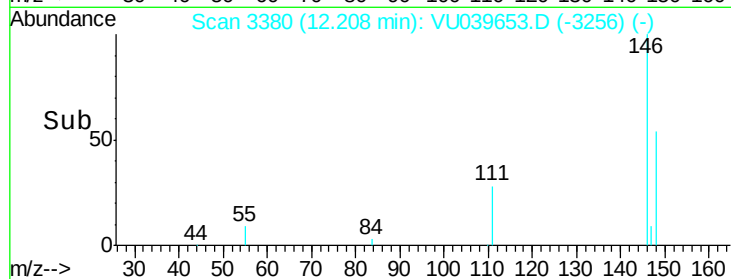
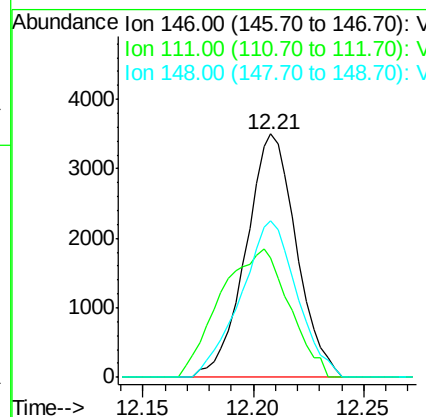
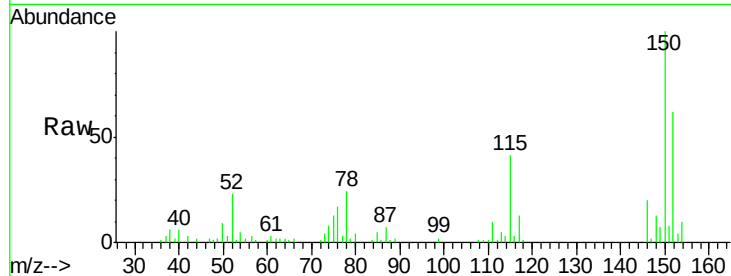
#65
 1,2-Dichlorobenzene
 Concen: 2.118 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL07

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	34.8	52.2
148	64.4	52.5	78.7

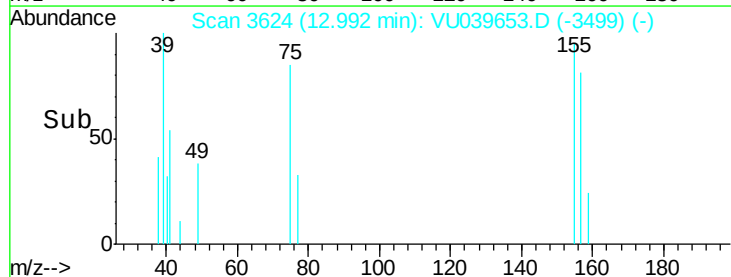
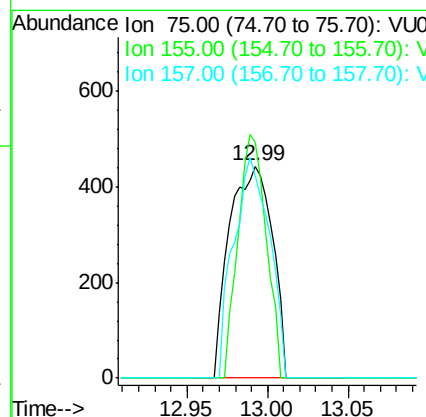
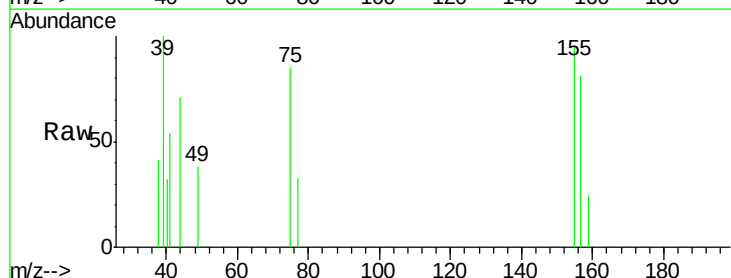
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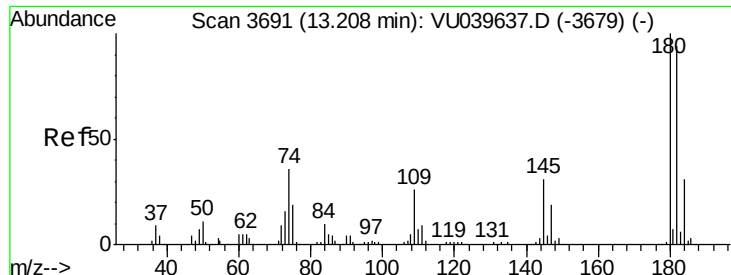
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.570 ug/L m
 RT: 12.99 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	111.3	62.4	93.6#
157	95.5	78.9	118.3





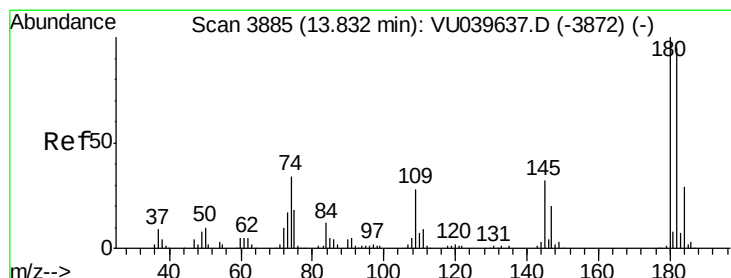
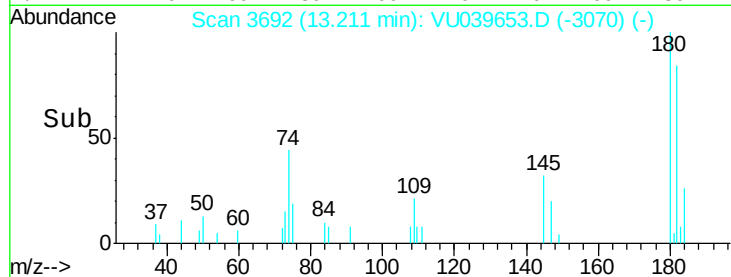
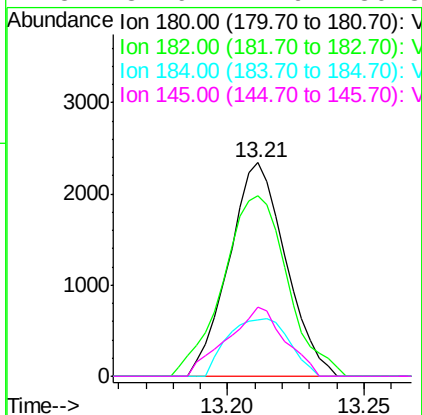
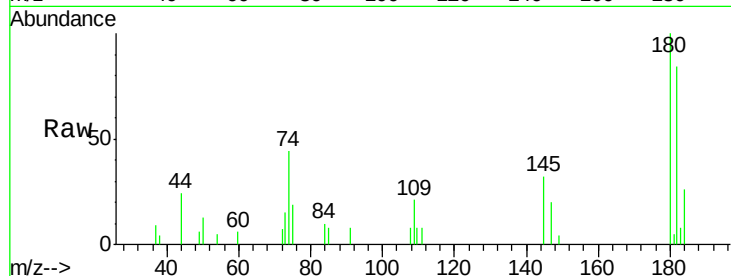
#67
 1,3,5-Trichlorobenzene
 Concen: 1.796 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Instrument :
 MSVOA_U
 ClientSampled :
 MDL07

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.7	113.5
184	29.5	24.2	36.2
145	32.6	24.6	36.8

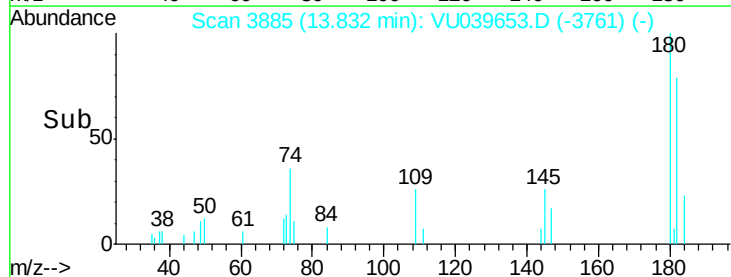
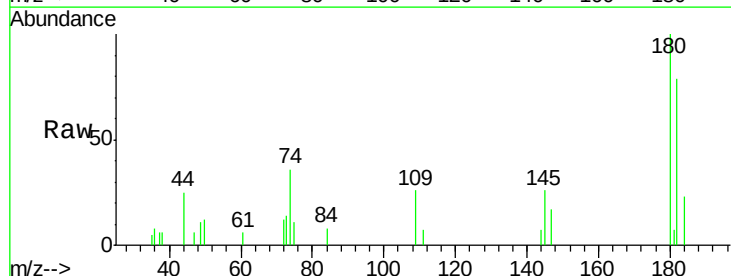
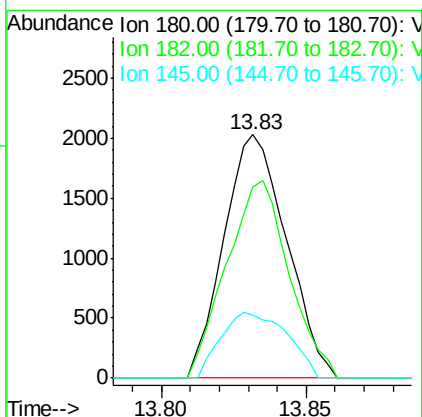
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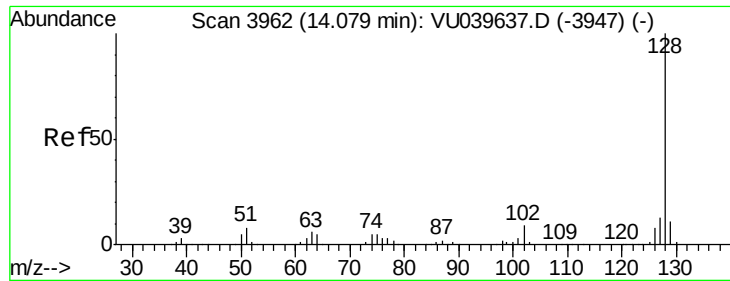
sam
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#68
 1,2,4-trichlorobenzene
 Concen: 1.904 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU039653.D
 Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	81.2	74.4	111.6
145	28.6	24.8	37.2





#69

Naphthalene

Concen: 1.573 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Instrument :

MSVOA_U

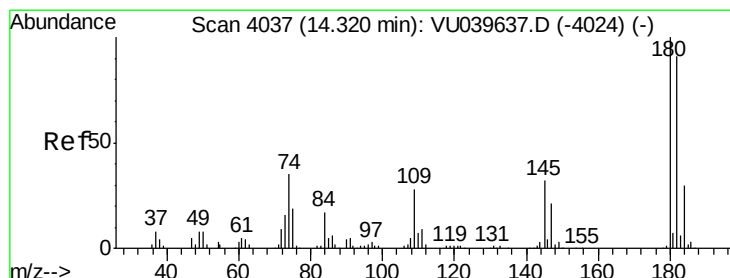
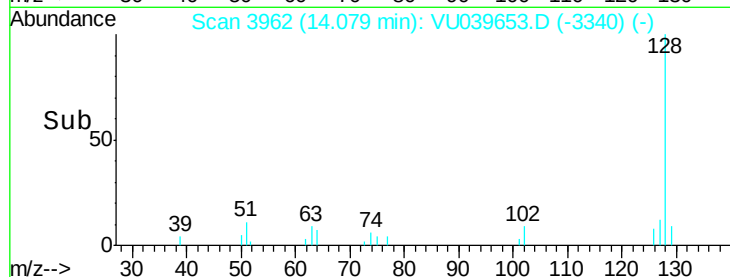
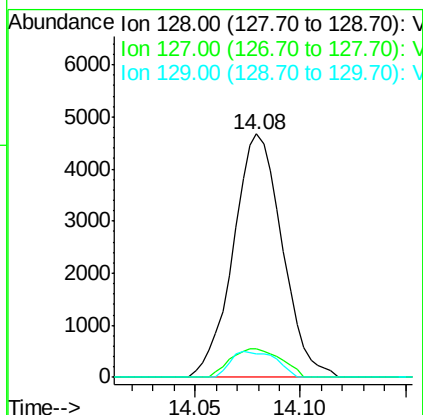
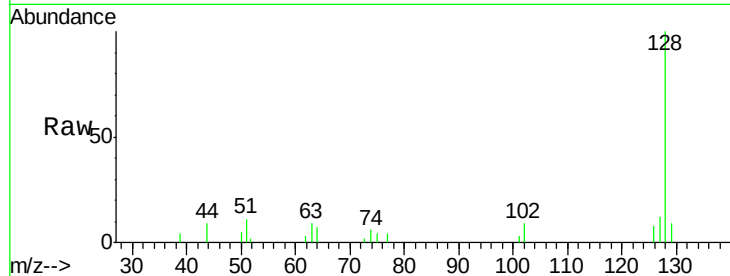
ClientSampled :

MDL07

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.7	16.1
129	7.0	8.8	13.2

Manual Integrations
APPROVED

sam
7/30/2020 2:57:11 AM



#70

1,2,3-Trichlorobenzene

Concen: 1.713 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039653.D

Acq: 23 Jul 2020 22:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.5	76.6	114.8
145	31.3	27.0	40.4

