

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU072320\
 Data File : VU039649.D
 Acq On : 23 Jul 2020 20:31
 Operator : SY/MD
 Sample : MDL03
 Misc : 5.0uL/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 MDL03

Manual Integrations
 APPROVED

sam
 7/30/2020 2:57:48 AM

Quant Time: Jul 24 03:41:43 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	191803	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	184914	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	84931	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	52695	42.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.40%
7) Chloroethane-d5	1.92	69	61625	41.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	82.36%
11) 1,1-Dichloroethene-d2	2.58	63	86708	32.81	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	65.62%
21) 2-Butanone-d5	4.65	46	130651	90.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.63%
24) Chloroform-d	5.09	84	120247	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.64%
26) 1,2-Dichloroethane-d4	5.72	65	88685	44.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.38%
32) Benzene-d6	5.75	84	232757	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.66%
36) 1,2-Dichloropropane-d6	6.71	67	78250	46.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.96%
41) Toluene-d8	7.91	98	212377	43.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.92%
43) trans-1,3-Dichloropropene-	8.19	79	35621	41.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.82%
47) 2-Hexanone-d5	8.64	63	81106	88.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.30%
57) 1,1,2,2-Tetrachloroethane-	10.76	84	116837	43.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.64%
64) 1,2-Dichlorobenzene-d4	12.19	152	85553	46.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.12%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2062	1.578	ug/L	98
3) Chloromethane	1.53	50	2378	1.752	ug/L	98
5) Vinyl chloride	1.61	62	2419	1.754	ug/L #	60
6) Bromomethane	1.86	94	2175	2.099	ug/L	95
8) Chloroethane	1.94	64	2078	1.694	ug/L	93
9) Trichlorofluoromethane	2.15	101	3949	1.620	ug/L	95
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2210	1.884	ug/L #	69
12) 1,1-Dichloroethene	2.59	96	2410	2.203	ug/L #	1
13) Acetone	2.65	43	3530	3.680	ug/L	80
14) Carbon disulfide	2.81	76	5673	1.620	ug/L	98
15) Methyl Acetate	2.97	43	2880	1.676	ug/L	96
16) Methylene chloride	3.06	84	2339	1.785	ug/L	97
17) trans-1,2-Dichloroethene	3.37	96	1804	1.482	ug/L	91
18) Methyl tert-butyl Ether	3.38	73	6443	1.638	ug/L #	89
19) 1,1-Dichloroethane	3.90	63	4053	1.706	ug/L #	90
20) cis-1,2-Dichloroethene	4.69	96	2232m	1.604	ug/L	
22) 2-Butanone	4.73	43	4626m	3.422	ug/L	

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

23) Bromochloromethane	4.99	128	1050	1.502	uq/L	97
25) Chloroform	5.11	83	9425	3.576	uq/L	97
27) 1,2-Dichloroethane	5.81	62	3982	1.822	uq/L #	95
29) Cyclohexane	5.41	56	3173	1.579	uq/L #	89
30) 1,1,1-Trichloroethane	5.34	97	3543	1.600	uq/L #	89
31) Carbon tetrachloride	5.55	117	2960	1.612	uq/L	93
33) Benzene	5.79	78	8611	1.690	uq/L	100
34) Trichloroethene	6.56	95	2232	1.656	uq/L	92
35) Methylcyclohexane	6.77	83	2954	1.417	uq/L #	92
37) 1,2-Dichloropropane	6.81	63	2368m	1.716	uq/L	
38) Bromodichloromethane	7.12	83	2950	1.610	uq/L #	95
39) cis-1,3-Dichloropropene	7.62	75	3341	1.620	uq/L	96
40) 4-Methyl-2-pentanone	7.80	43	7586	3.156	uq/L	100
42) Toluene	7.98	91	8868	1.582	uq/L	95
44) trans-1,3-Dichloropropene	8.22	75	3762m	1.863	uq/L	
45) 1,1,2-Trichloroethane	8.41	97	2085	1.585	uq/L	95
46) Tetrachloroethene	8.56	164	1622	1.591	uq/L	89
48) 2-Hexanone	8.69	43	10526	5.374	uq/L	99
49) Dibromochloromethane	8.82	129	2312	1.556	uq/L	89
50) 1,2-Dibromoethane	8.93	107	2438	1.665	uq/L #	85
51) Chlorobenzene	9.45	112	5743	1.606	uq/L #	86
52) Ethylbenzene	9.57	91	9201	1.486	uq/L	93
53) m,p-Xylene	9.70	106	3663	1.569	uq/L	83
54) o-xylene	10.10	106	3530	1.576	uq/L	96
55) Styrene	10.12	104	5219	1.346	uq/L	96
56) Isopropylbenzene	10.48	105	8489	1.396	uq/L	98
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	3998	1.667	uq/L	95
59) 1,2,3-Trichloropropane	10.82	75	3444	1.720	uq/L	91
61) Bromoform	10.29	173	1437	1.430	uq/L #	77
62) 1,3-Dichlorobenzene	11.74	146	4018	1.544	uq/L	97
63) 1,4-Dichlorobenzene	11.83	146	4503	1.728	uq/L	94
65) 1,2-Dichlorobenzene	12.21	146	4561	1.735	uq/L #	92
66) 1,2-Dibromo-3-chloropropan	12.98	75	701m	1.333	uq/L	
67) 1,3,5-Trichlorobenzene	13.21	180	2767	1.475	uq/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2121	1.332	uq/L	98
69) Naphthalene	14.08	128	6300	1.319	uq/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	2047	1.273	uq/L	94

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

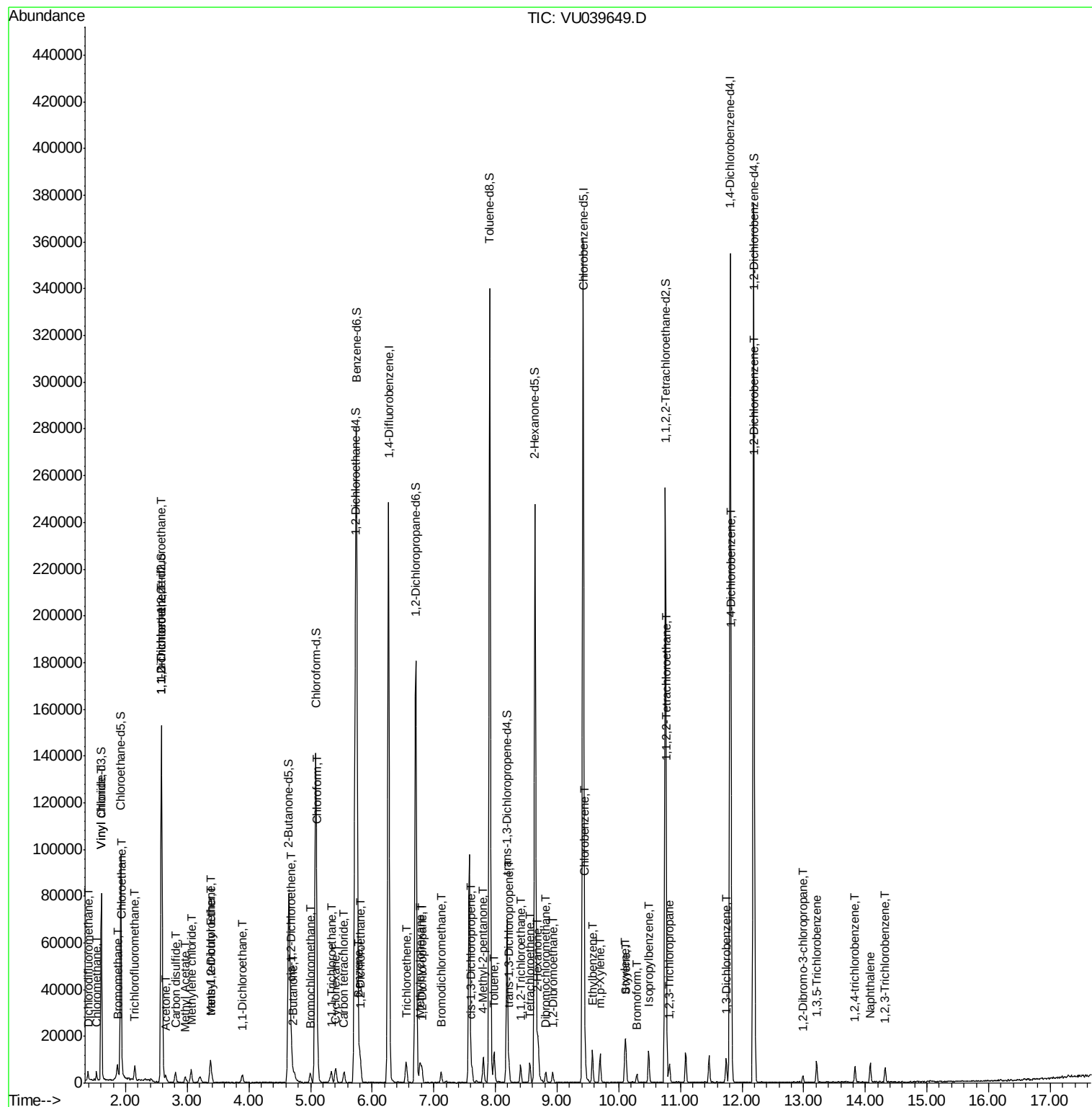
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU072320\
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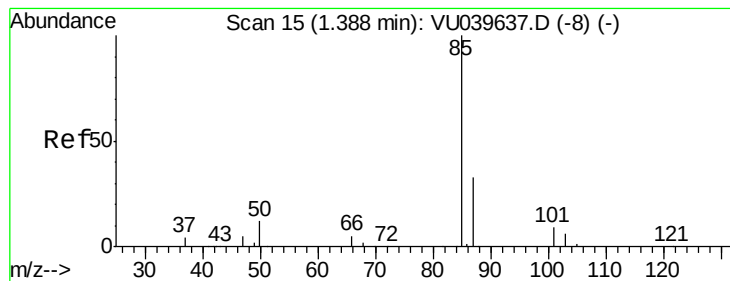
Instrument :
MSVOA_U
ClientSampleId :
MDL03

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#2

Dichlorodifluoromethane

Concen: 1.578 ug/L

RT: 1.39 min Scan# 16

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 85 Resp: 2062

Ion Ratio Lower Upper

85 100

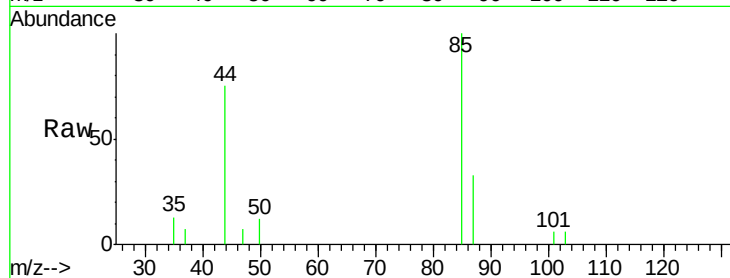
87 34.1 26.2 39.4

Manual Integrations

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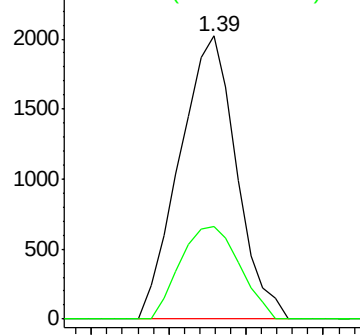
sam

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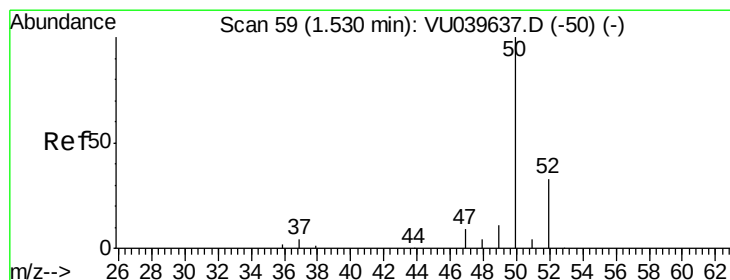
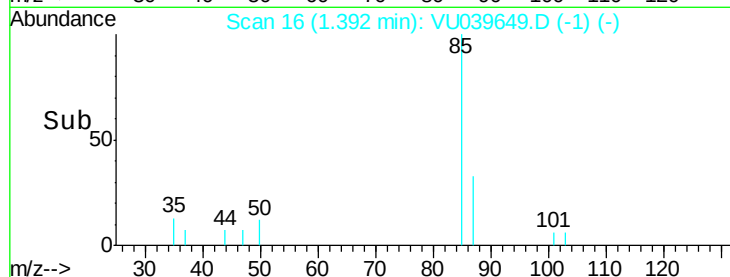


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 1.752 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU039649.D

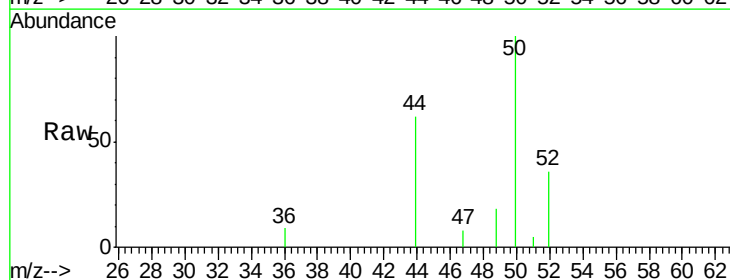
Acq: 23 Jul 2020 20:31

Tgt Ion: 50 Resp: 2378

Ion Ratio Lower Upper

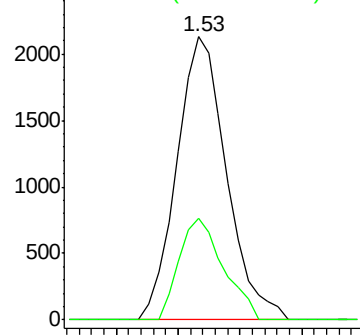
50 100

52 35.7 24.0 44.6

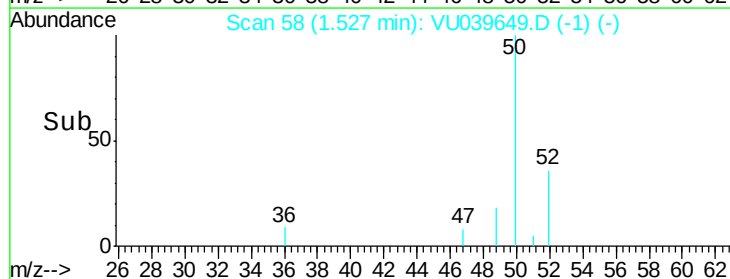


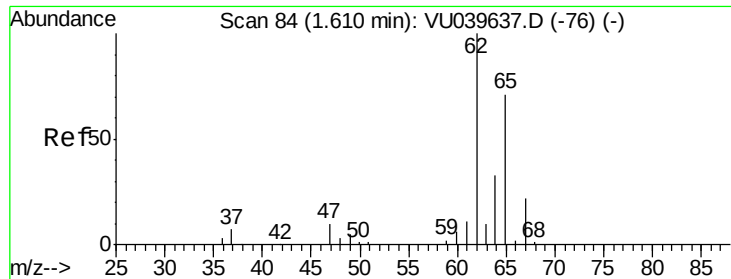
Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



Time-->





#5

Vinyl chloride

Concen: 1.754 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 62 Resp: 2419

Ion Ratio Lower Upper

62 100

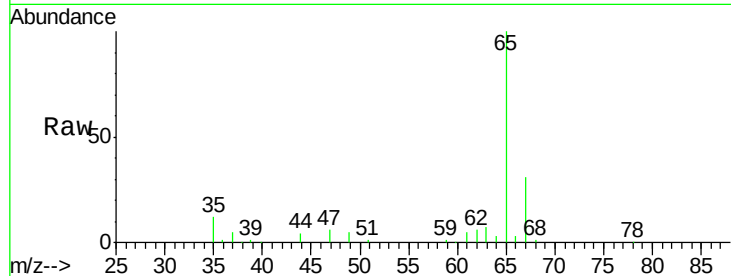
64 55.3 22.8 42.4#

Manual Integrations

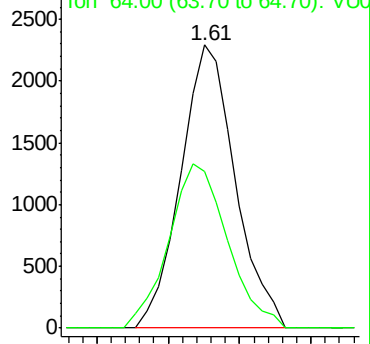
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sam

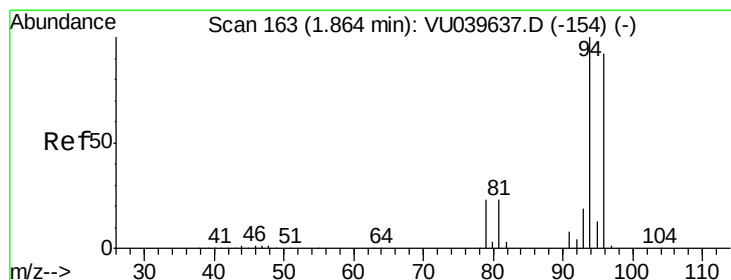
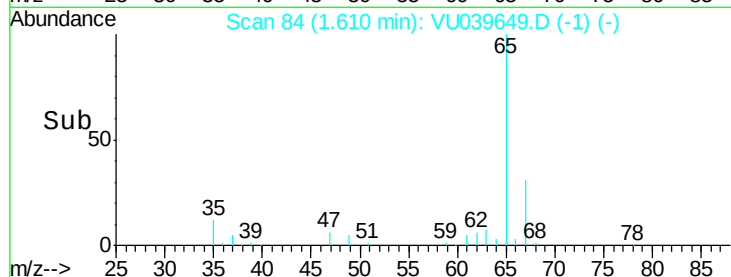
7/30/2020 2:57:48 AM



Abundance Ion 62.00 (61.70 to 62.70): VU039637.D (-76) (-)



Time-->



#6

Bromomethane

Concen: 2.099 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU039649.D

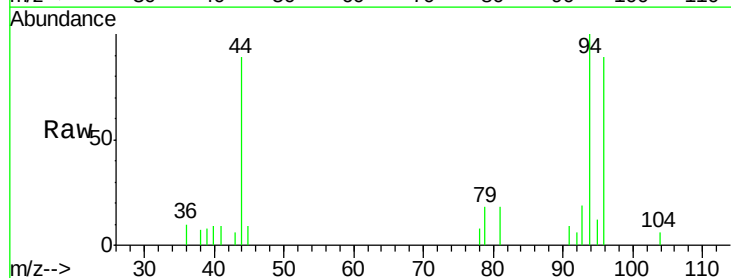
Acq: 23 Jul 2020 20:31

Tgt Ion: 94 Resp: 2175

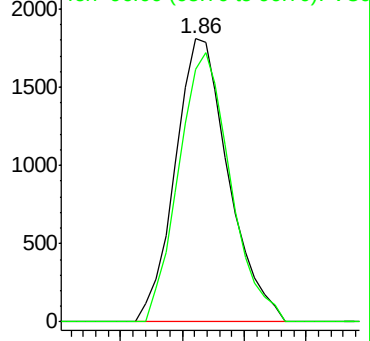
Ion Ratio Lower Upper

94 100

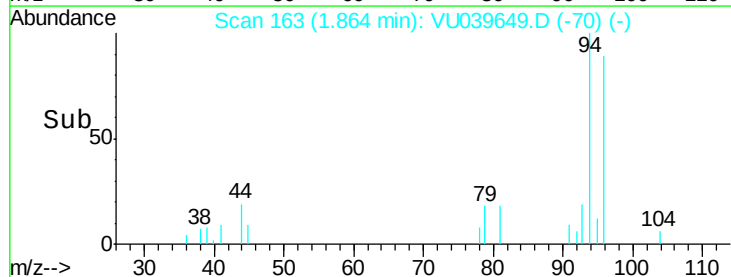
96 89.5 65.7 122.1

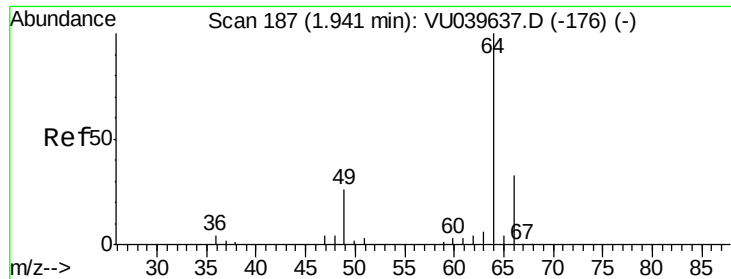


Abundance Ion 94.00 (93.70 to 94.70): VU039637.D (-154) (-)



Time-->





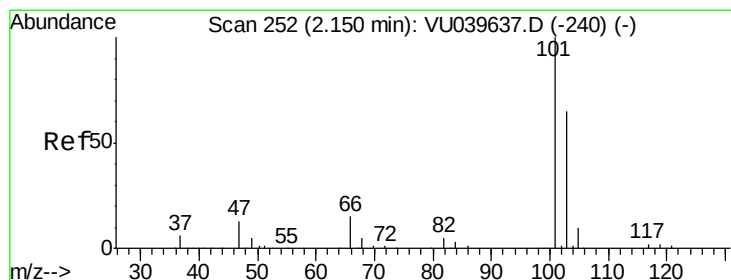
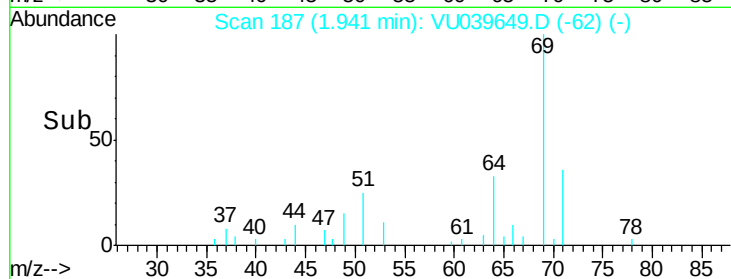
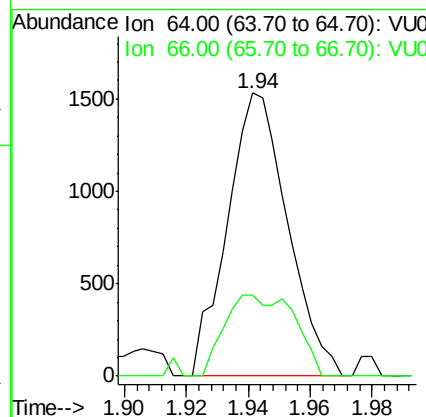
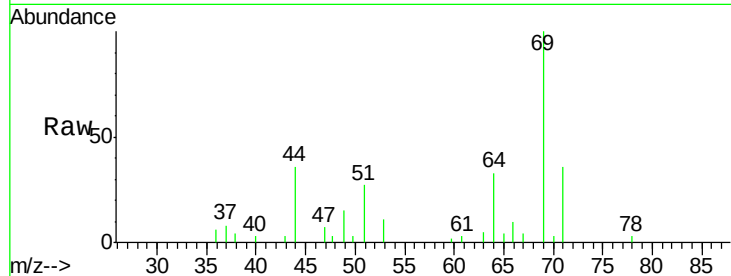
#8
Chloroethane
Concen: 1.694 ug/L
RT: 1.94 min Scan# 187
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 64 Resp: 2078
Ion Ratio Lower Upper
64 100
66 28.7 22.7 42.1

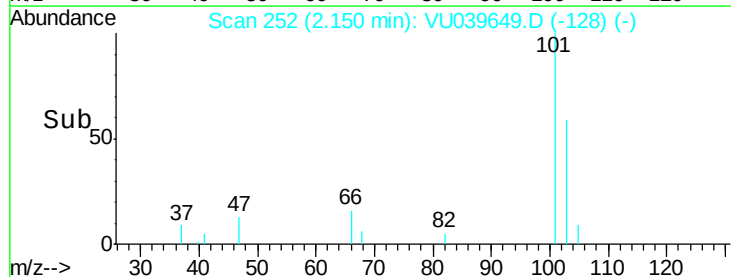
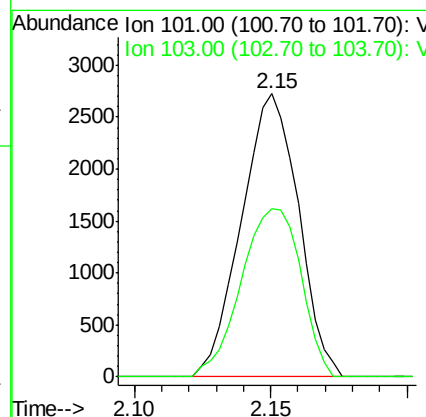
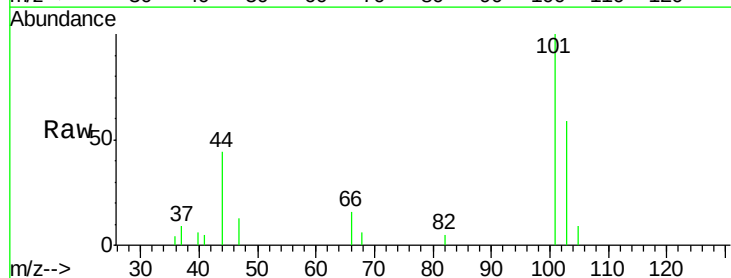
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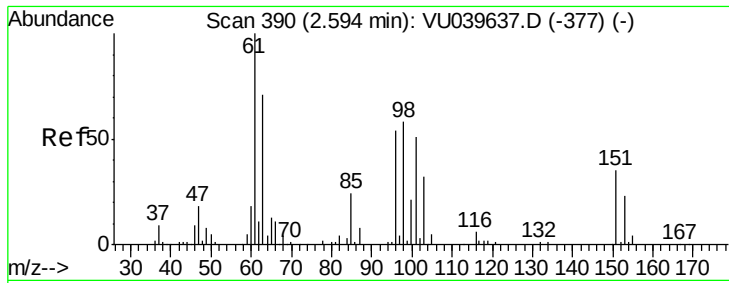
sam
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#9
Trichlorofluoromethane
Concen: 1.620 ug/L
RT: 2.15 min Scan# 252
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 101 Resp: 3949
Ion Ratio Lower Upper
101 100
103 62.4 52.8 79.2





#10

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

Concen: 1.884 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

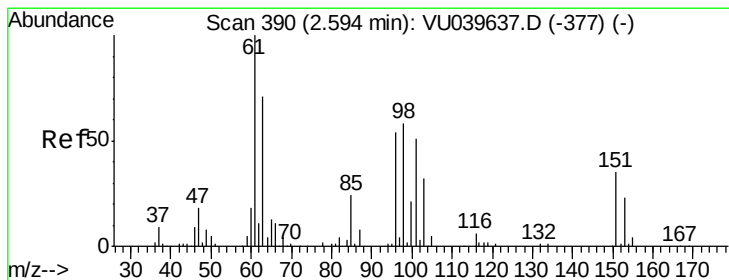
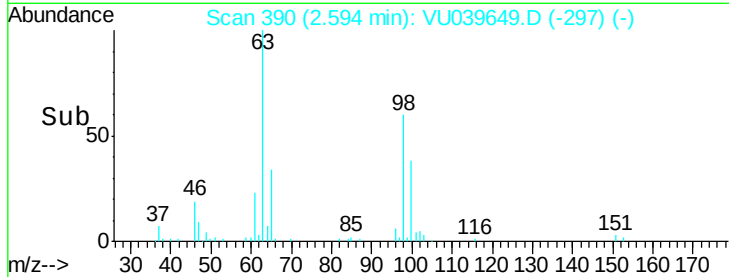
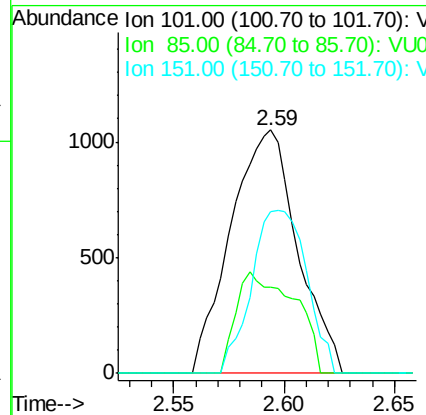
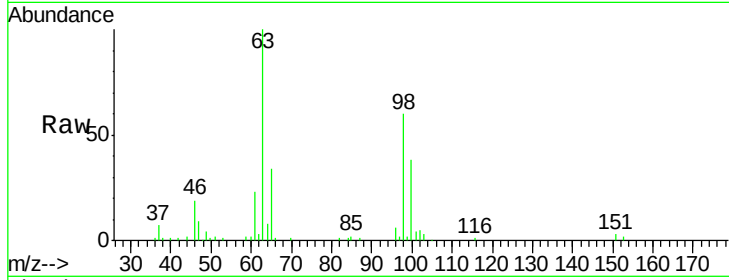
ClientSampled :

MDL03

Tot Ion:	101	Resp:	2210
Ion Ratio	Lower	Upper	
101	100		
85	17.5	39.7	59.5#
151	55.0	57.4	86.2#

Manual Integrations
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#12

1,1-Dichloroethene

Concen: 2.203 ug/L

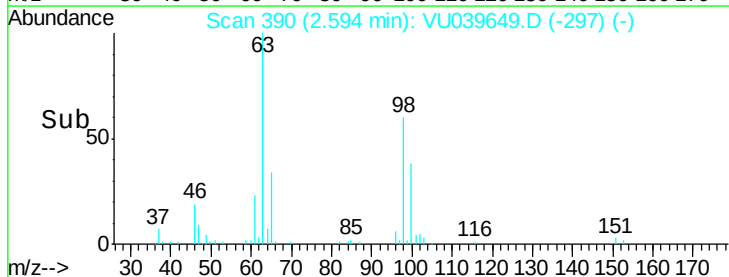
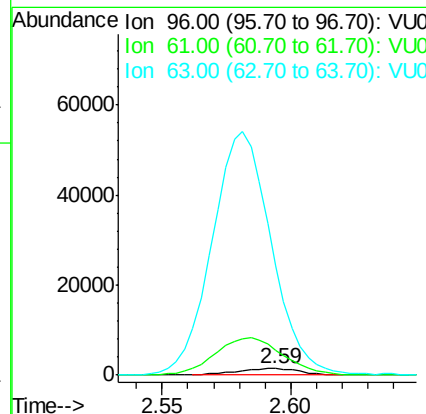
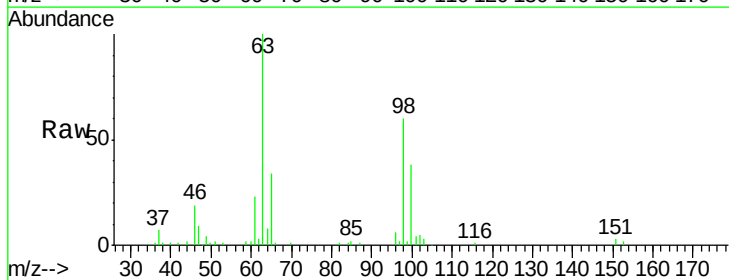
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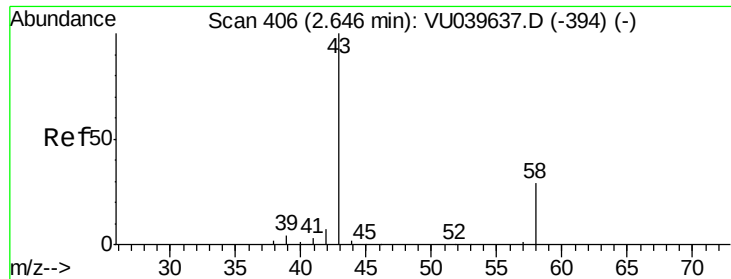
Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Tgt Ion:	96	Resp:	2410
Ion Ratio	Lower	Upper	
96	100		
61	401.5	136.6	253.6#
63	1749.3	97.2	180.6#





#13

Acetone

Concen: 3.680 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 43 Resp: 3530

Ion Ratio Lower Upper

43 100

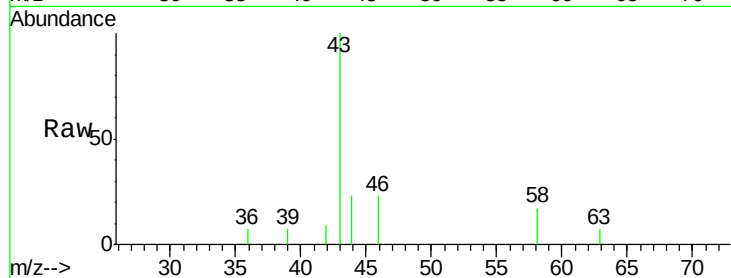
58 19.2 0.0 59.4

Manual Integrations

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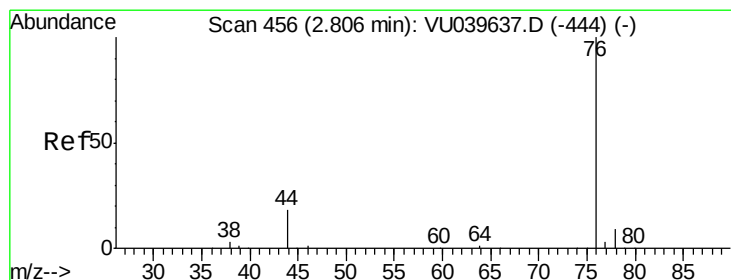
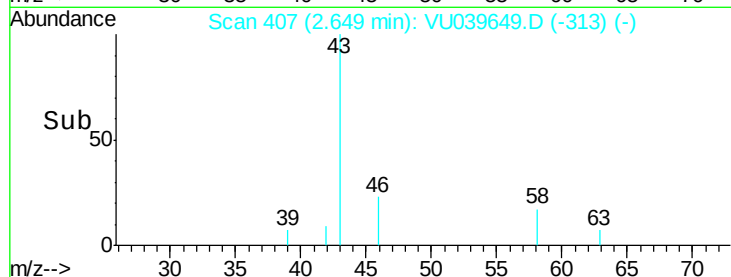
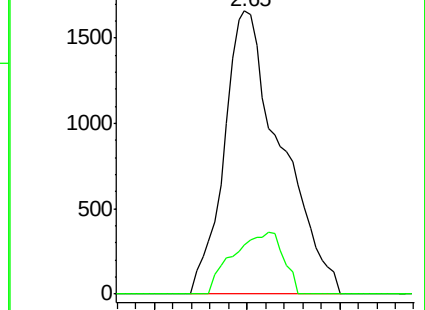
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Abundance Ion 43.00 (42.70 to 43.70): VU039649.D (-313) (-)

Ion 58.00 (57.70 to 58.70): VU039649.D (-313) (-)



#14

Carbon disulfide

Concen: 1.620 ug/L

RT: 2.81 min Scan# 456

Delta R.T. -0.00 min

Lab File: VU039649.D

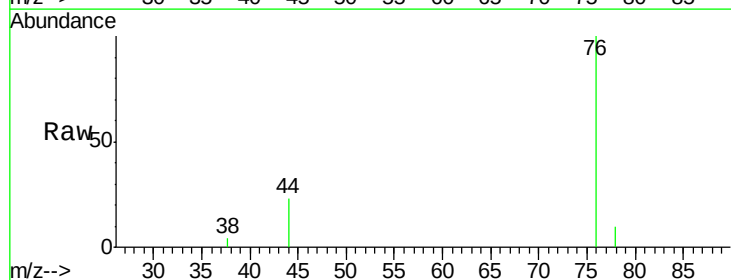
Acq: 23 Jul 2020 20:31

Tgt Ion: 76 Resp: 5673

Ion Ratio Lower Upper

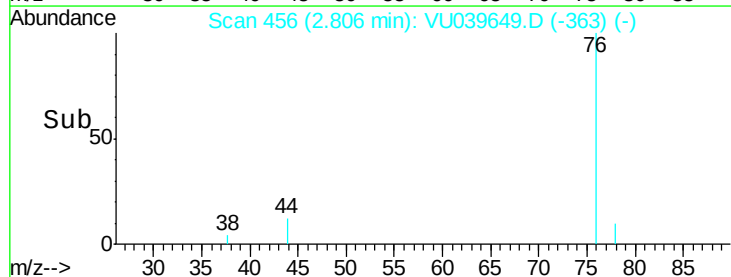
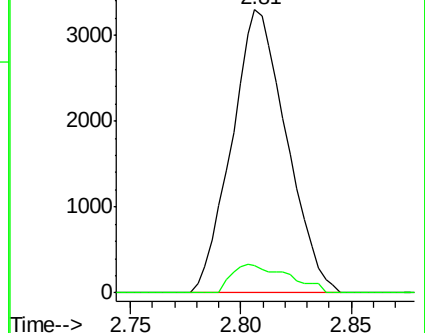
76 100

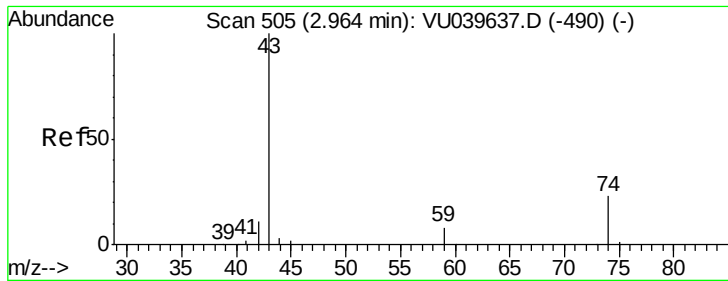
78 9.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU039649.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU039649.D (-363) (-)





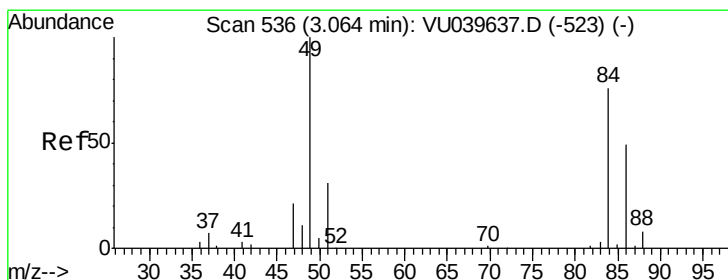
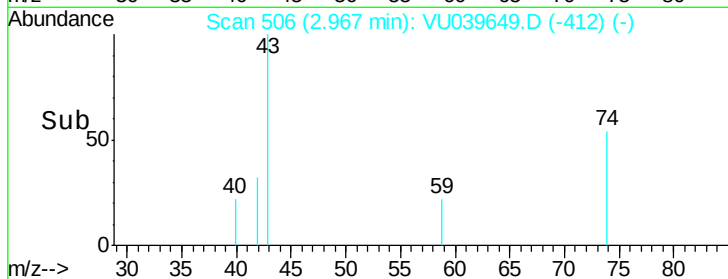
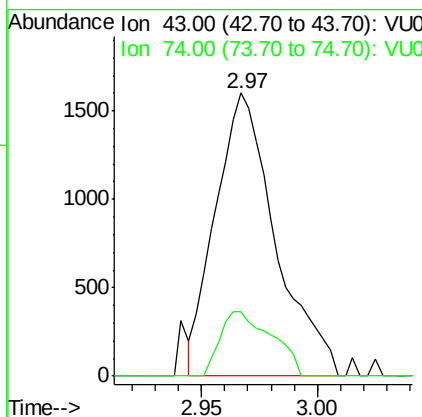
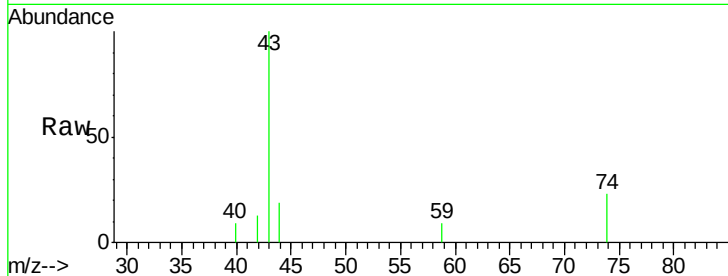
#15
Methvl Acetate
Concen: 1.676 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion: 43 Resp: 2880
Ion Ratio Lower Upper
43 100
74 19.6 17.4 26.0

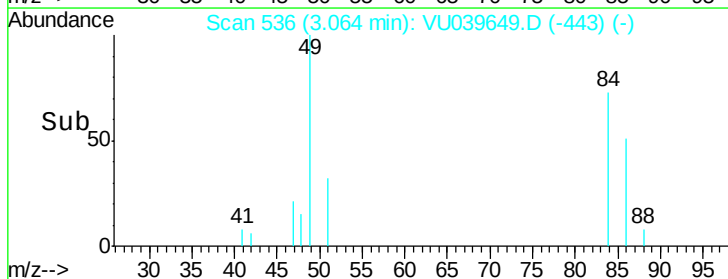
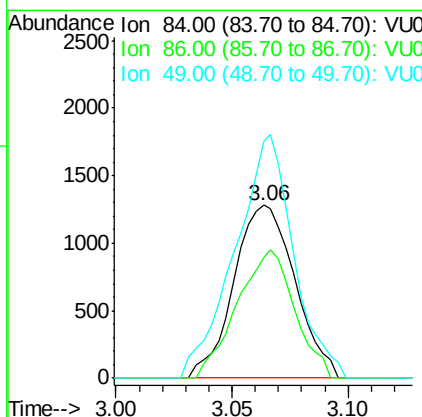
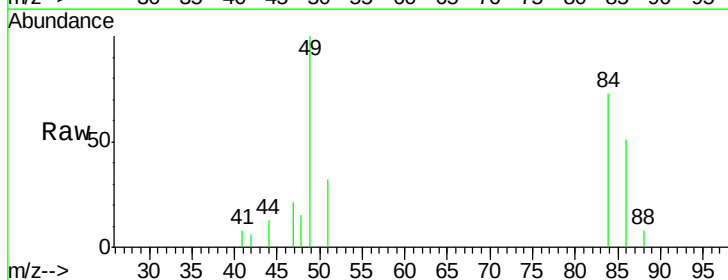
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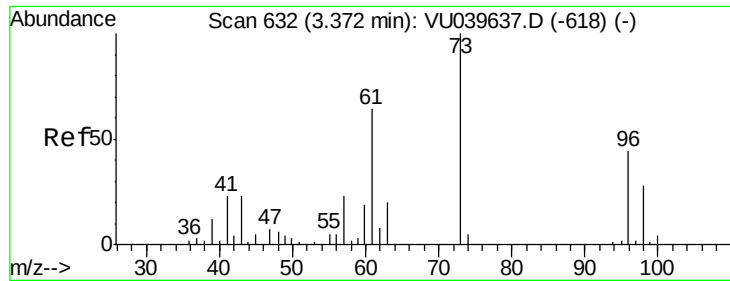
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#16
Methylene chloride
Concen: 1.785 ug/L
RT: 3.06 min Scan# 536
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 84 Resp: 2339
Ion Ratio Lower Upper
84 100
86 70.2 46.2 85.8
49 136.9 97.3 180.7





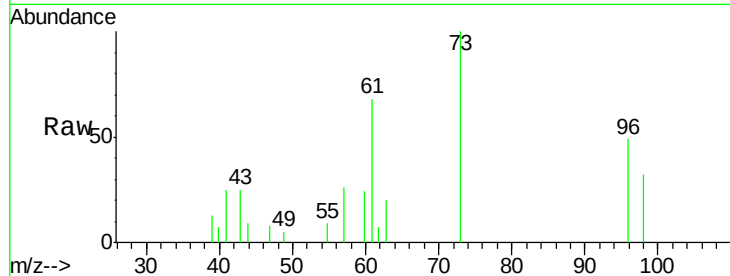
#17
trans-1,2-Dichloroethene
Concen: 1.482 ug/L
RT: 3.37 min Scan# 632
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :
MDL03

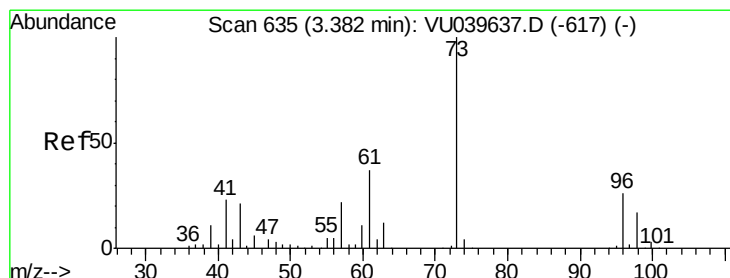
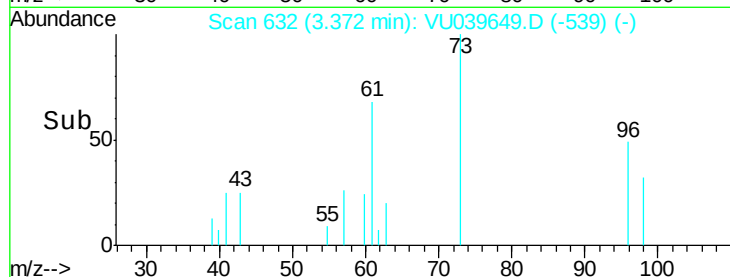
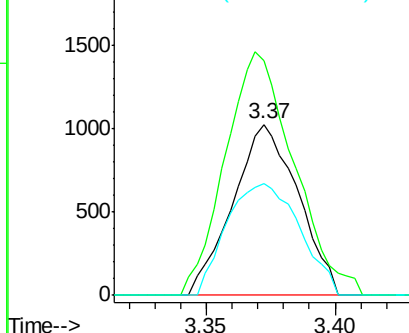
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	106.7	198.1
98	65.2	44.3	82.3

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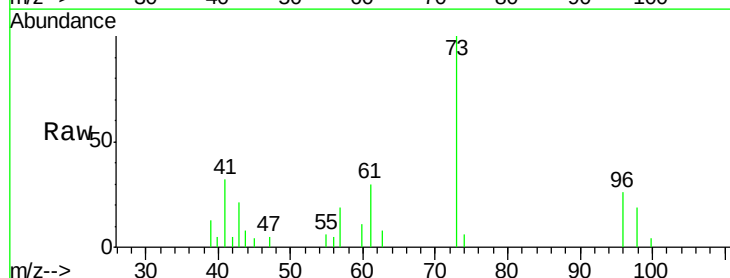


Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

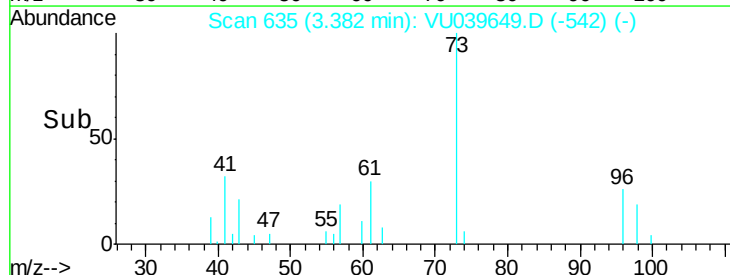
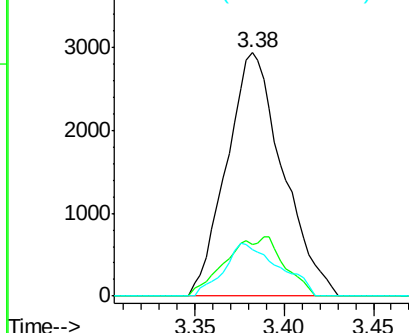


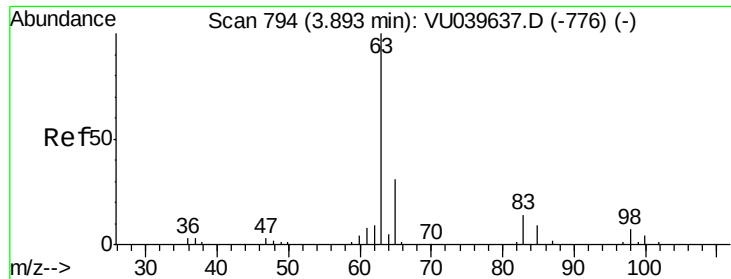
#18
Methyl tert-butyl Ether
Concen: 1.638 ug/L
RT: 3.38 min Scan# 635
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
73	100		
43	12.8	18.2	27.2#
57	21.2	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





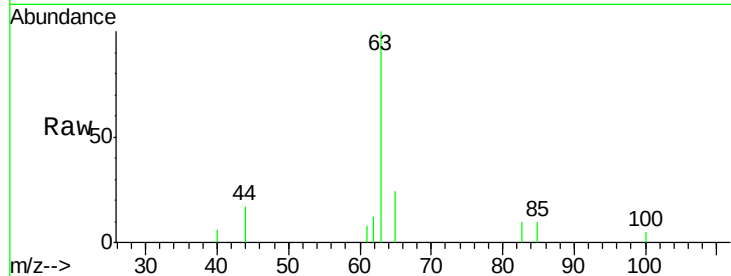
#19
 1,1-Dichloroethane
 Concen: 1.706 ug/L
 RT: 3.90 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

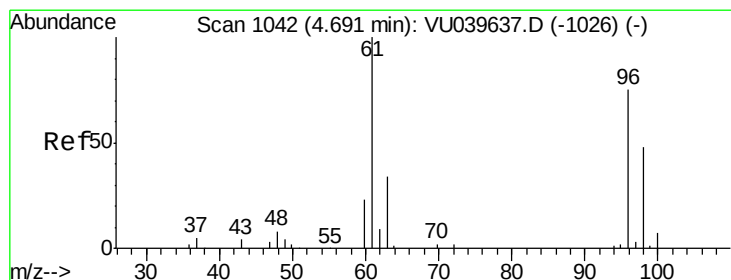
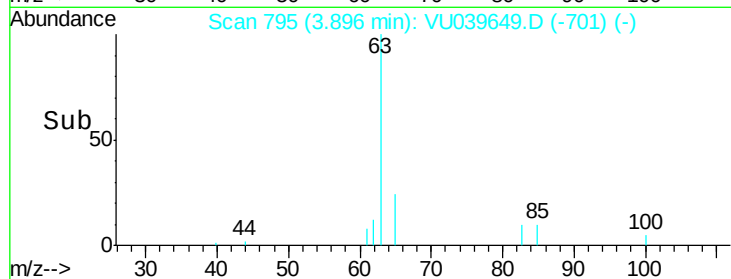
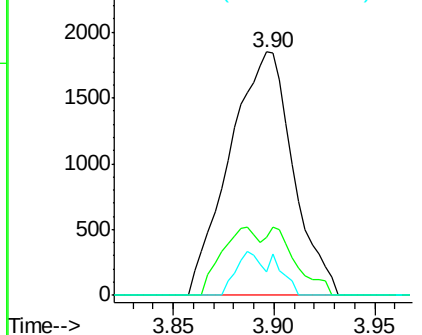
Tot Ion	Ratio	Lower	Upper
63	100		
65	23.7	20.4	38.0
83	9.7	9.7	18.1

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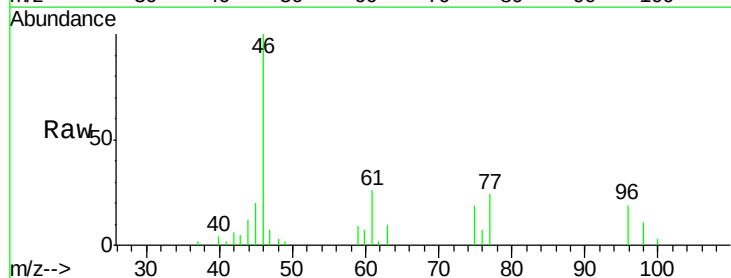


Abundance Ion 63.00 (62.70 to 63.70): VU0
 Ion 65.00 (64.70 to 65.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0

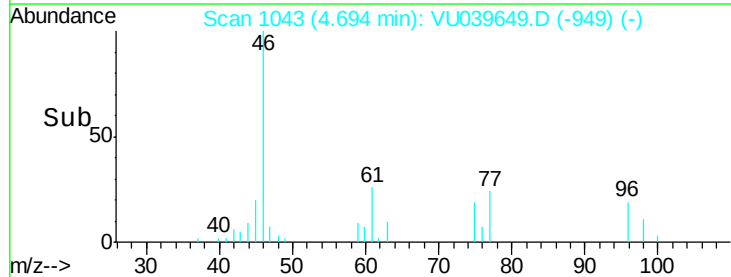
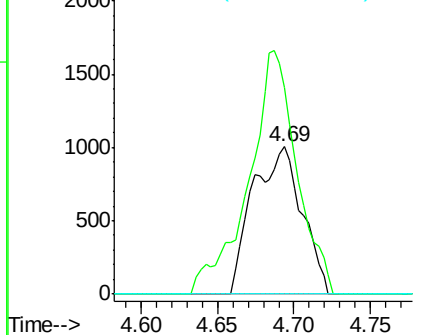


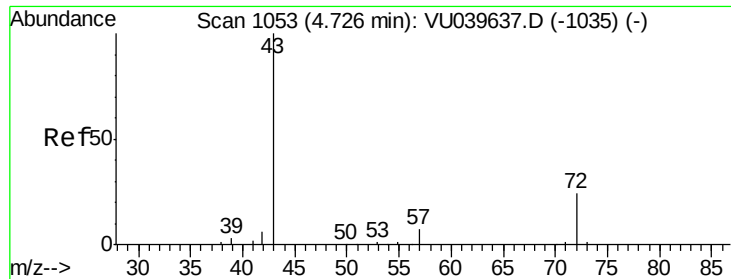
#20
 cis-1,2-Dichloroethene
 Concen: 1.604 ug/L m
 RT: 4.69 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	94.0	174.6
68	0.0	0.0	0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0





#22

2-Butanone

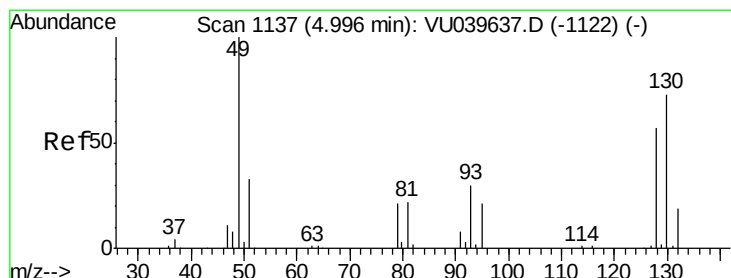
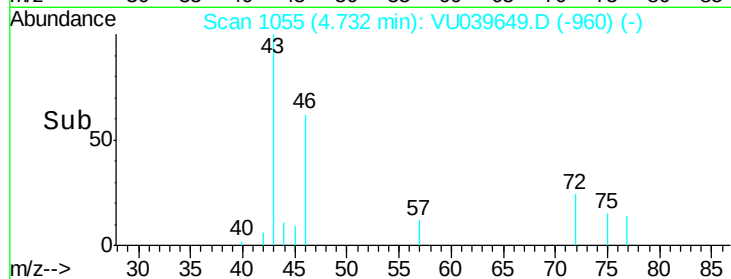
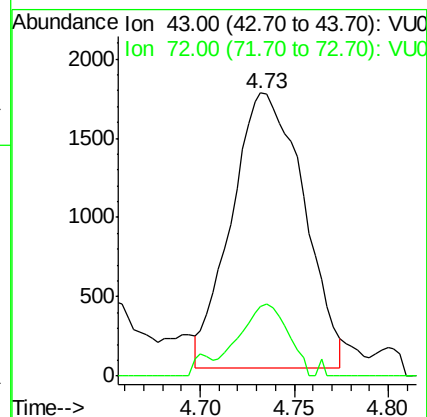
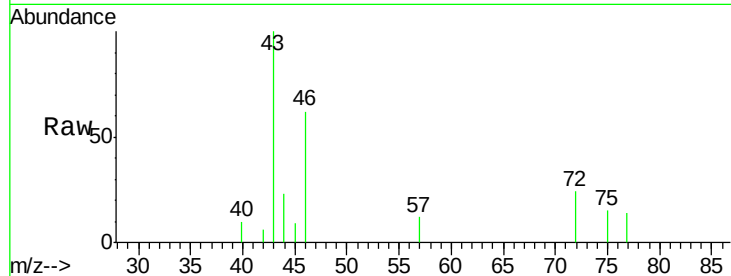
Concen: 3.422 ug/L m
RT: 4.73 min Scan# 1055
Delta R.T. 0.01 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampleId :
MDL03

Tot Ion: 43 Resp: 4626
Ion Ratio Lower Upper
43 100
72 17.6 12.8 38.3

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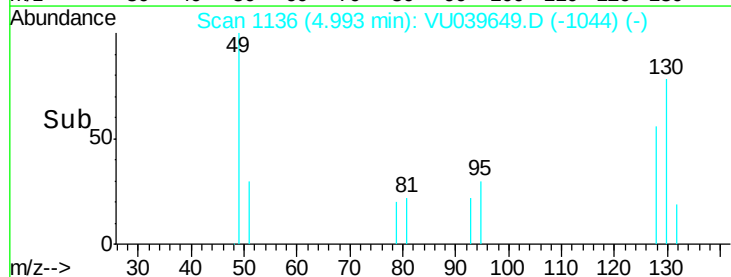
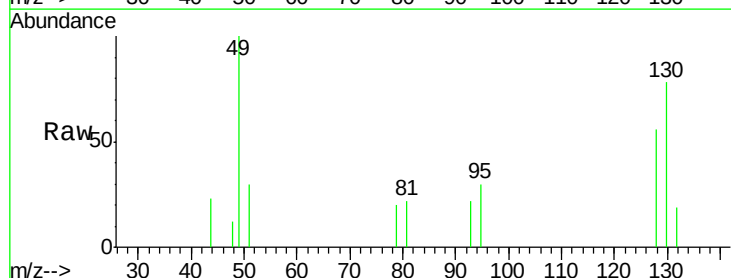
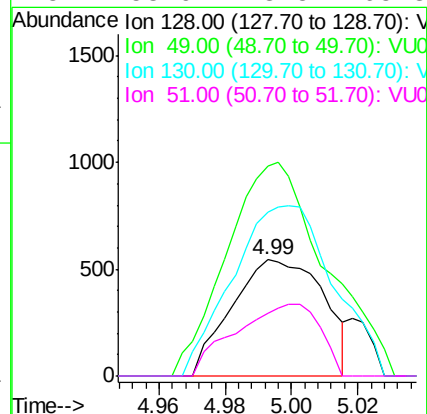


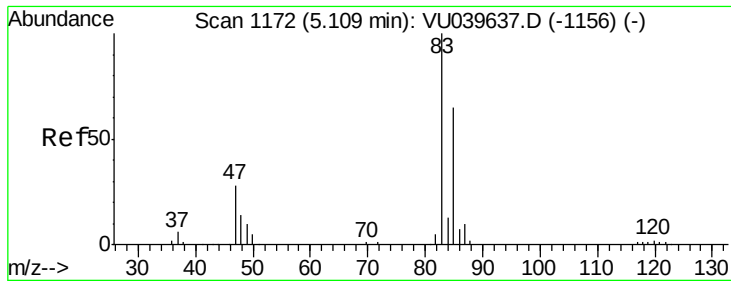
#23

Bromochloromethane

Concen: 1.502 ug/L
RT: 4.99 min Scan# 1136
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 128 Resp: 1050
Ion Ratio Lower Upper
128 100
49 180.1 124.5 231.3
130 141.4 94.4 175.2
51 53.9 43.5 65.3





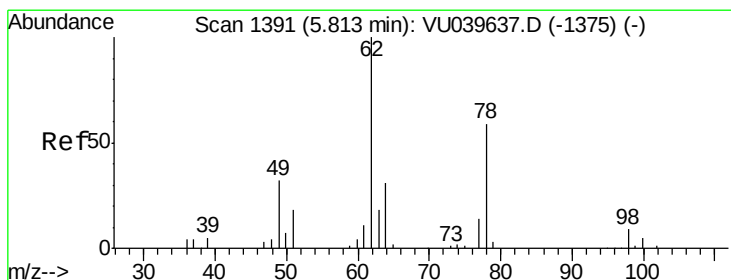
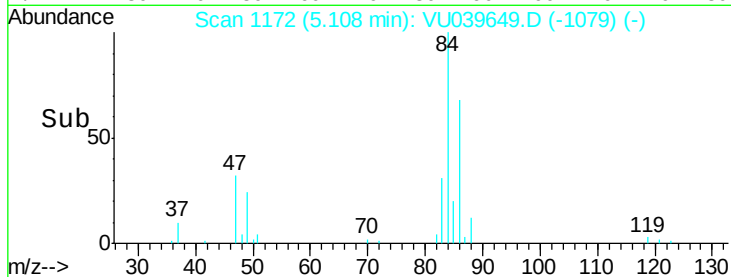
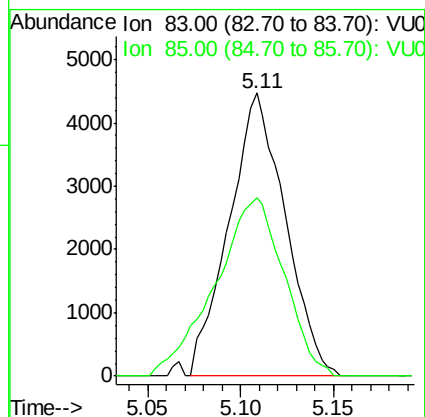
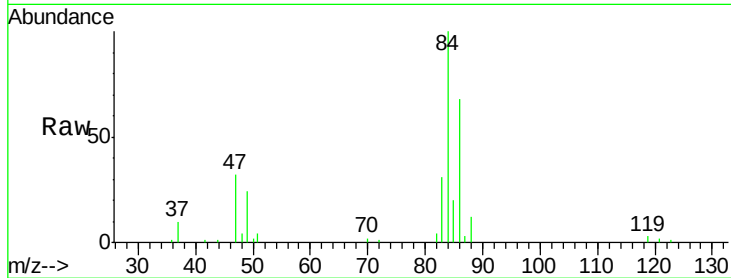
#25
Chloroform
Concen: 3.576 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion: 83 Resp: 9425
Ion Ratio Lower Upper
83 100
85 63.0 45.6 84.6

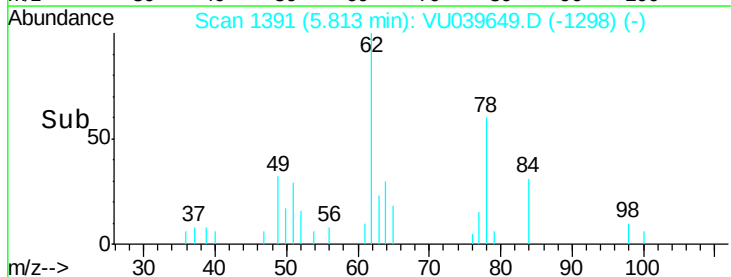
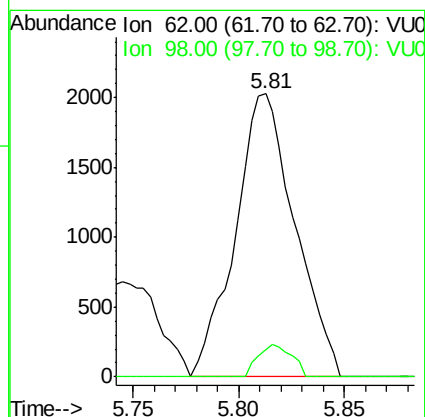
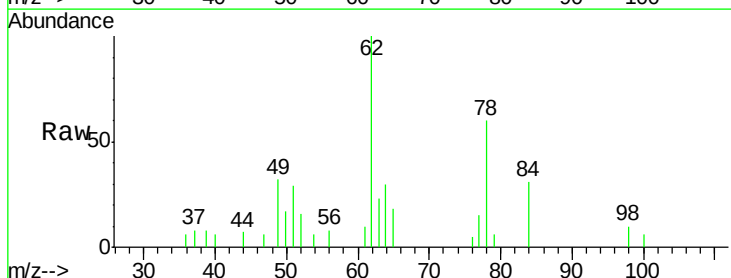
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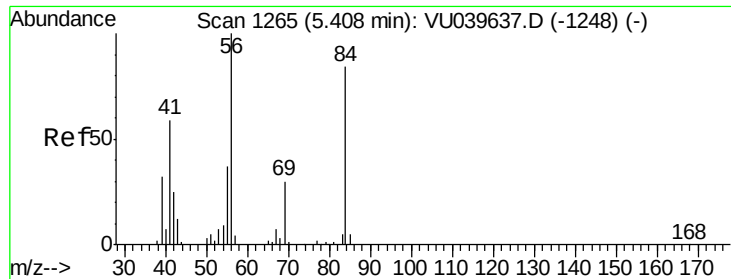
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#27
1,2-Dichloroethane
Concen: 1.822 ug/L
RT: 5.81 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion: 62 Resp: 3982
Ion Ratio Lower Upper
62 100
98 9.9 6.4 9.6#





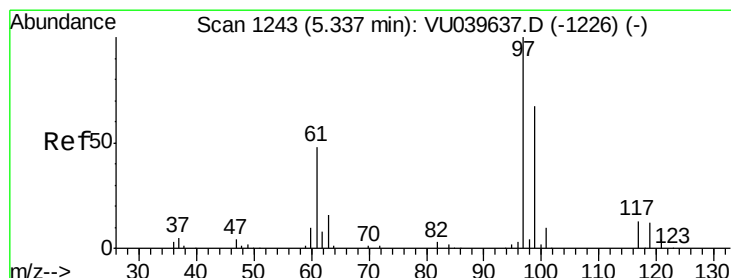
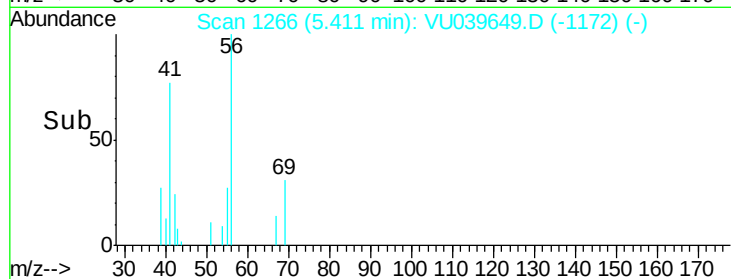
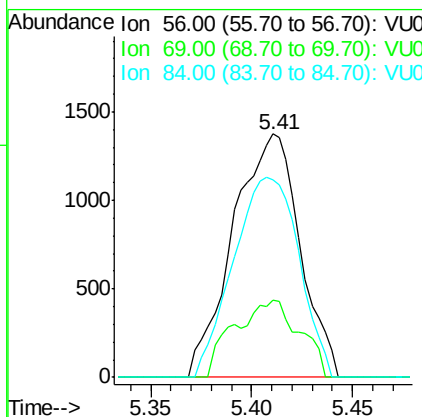
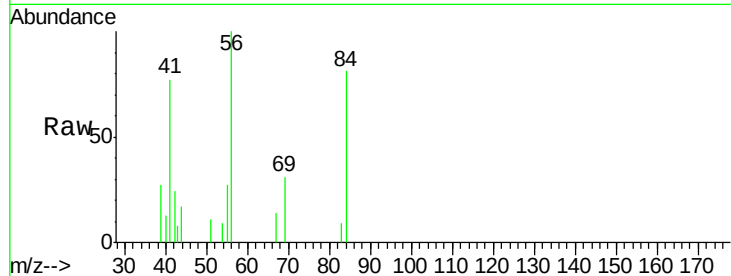
#29
Cyclohexane
Concen: 1.579 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
56	100		
69	9.7	23.9	35.9#
84	80.7	65.8	98.8

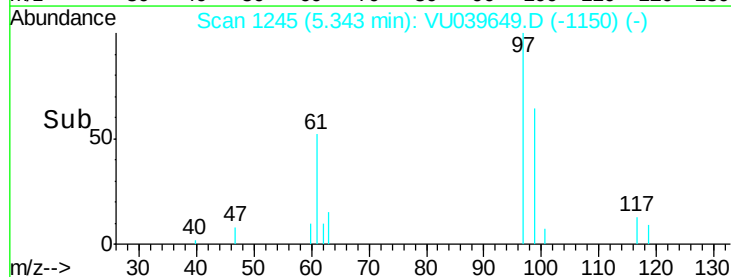
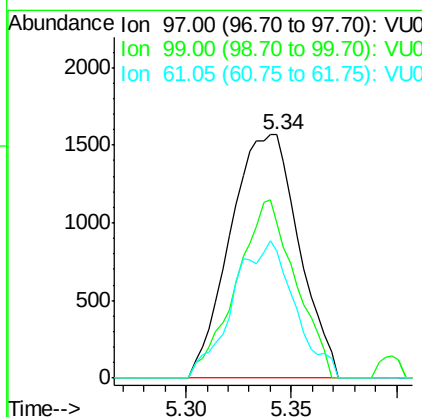
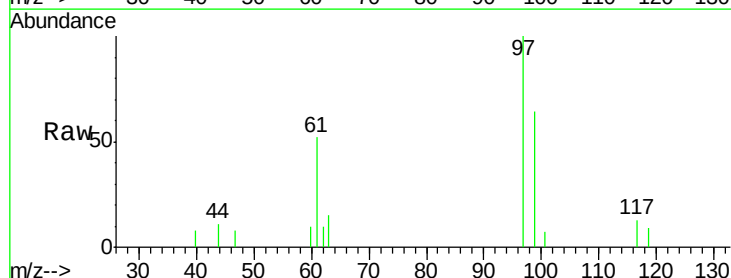
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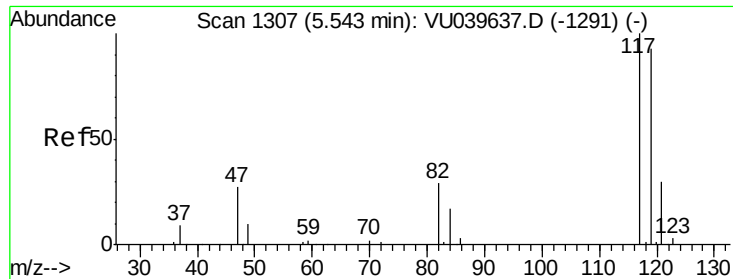
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#30
1,1,1-Trichloroethane
Concen: 1.600 ug/L
RT: 5.34 min Scan# 1245
Delta R.T. 0.01 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.3	75.5
61	27.7	36.0	54.0#





#31

Carbon tetrachloride

Concen: 1.612 ug/L

RT: 5.55 min Scan# 1309

Delta R.T. 0.01 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion:117 Resp: 2960

Ion Ratio Lower Upper

117 100

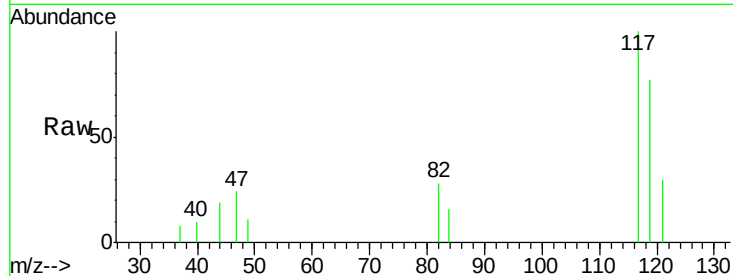
119 90.5 78.2 117.4

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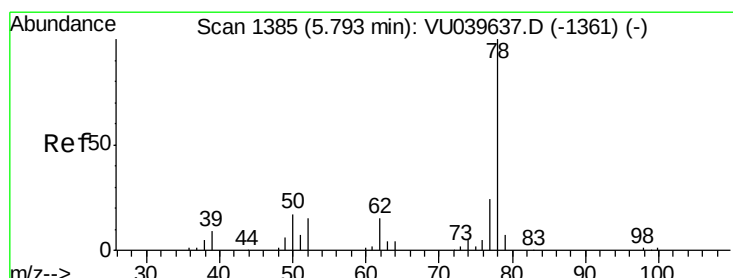
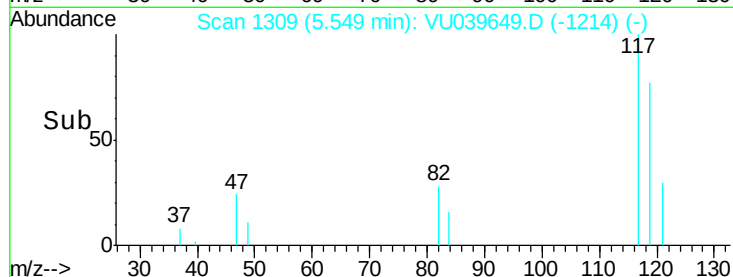
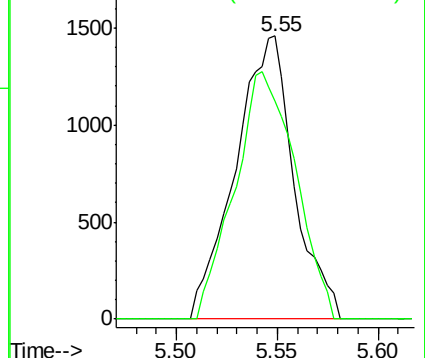
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.690 ug/L

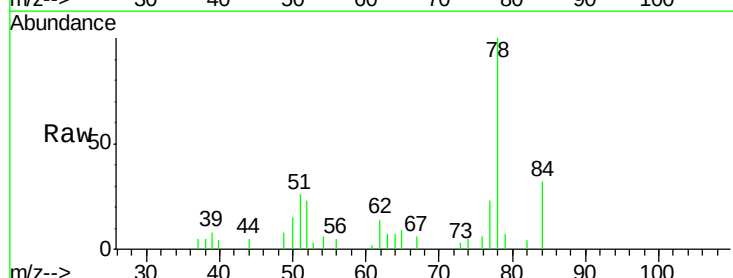
RT: 5.79 min Scan# 1385

Delta R.T. -0.00 min

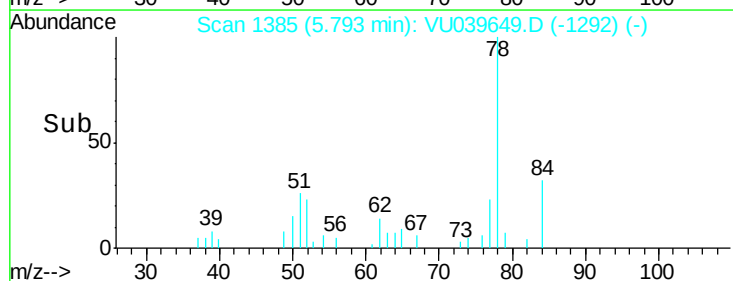
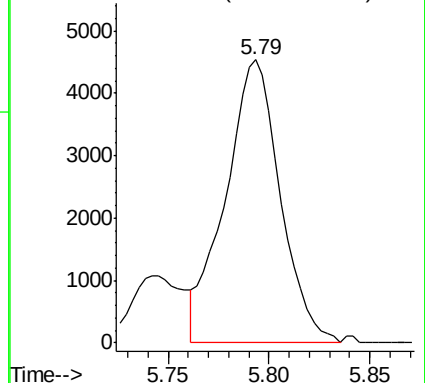
Lab File: VU039649.D

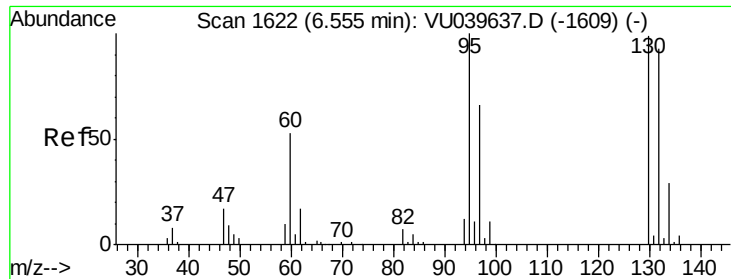
Acq: 23 Jul 2020 20:31

Tgt Ion: 78 Resp: 8611



Abundance Ion 78.00 (77.70 to 78.70): VU0





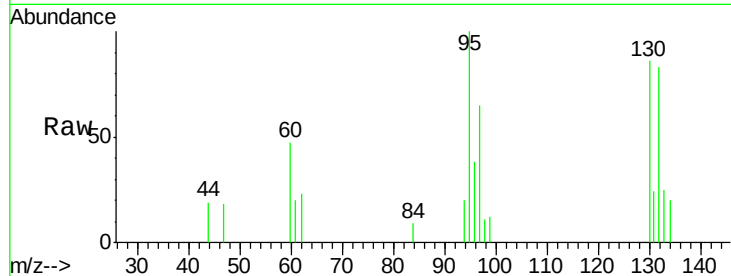
#34
 Trichloroethene
 Concen: 1.656 ug/L
 RT: 6.56 min Scan# 1623
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

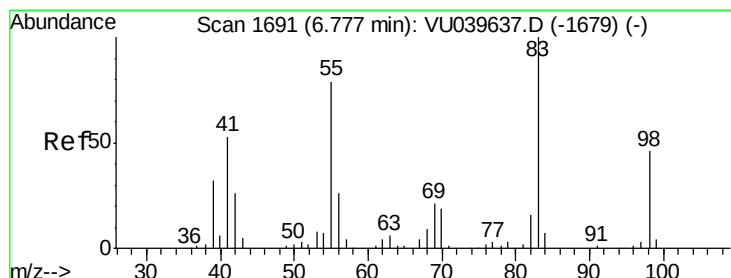
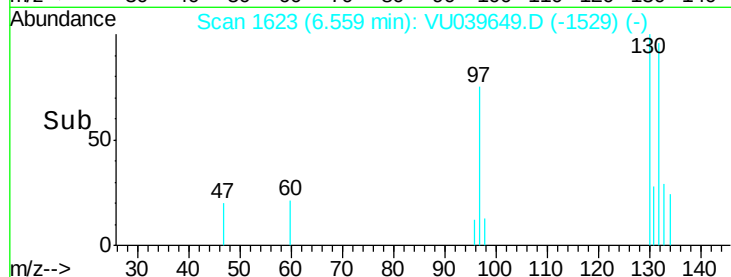
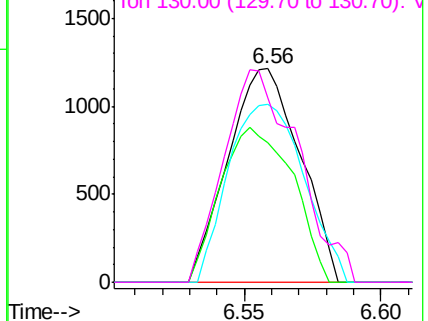
Tot Ion: 95 Resp: 2232
 Ion Ratio Lower Upper
 95 100
 97 65.1 45.5 84.5
 132 83.2 65.0 120.6
 130 86.4 67.9 126.1

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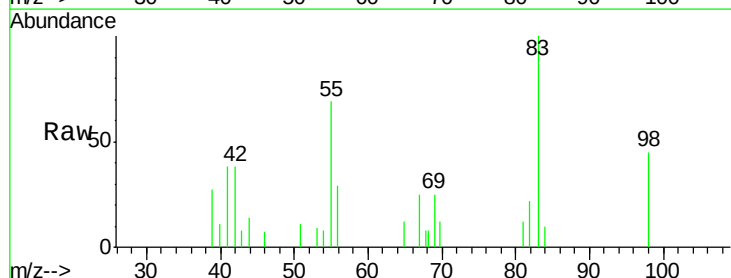


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

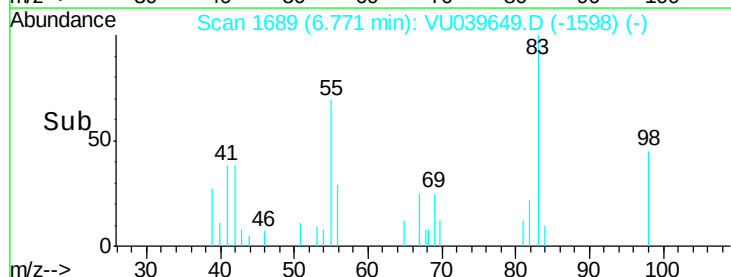
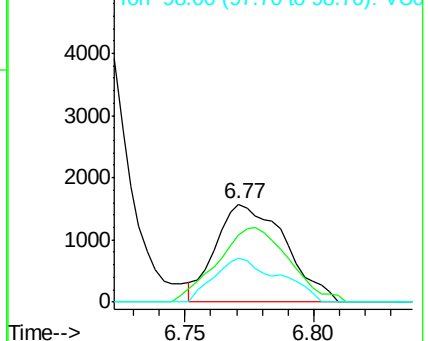


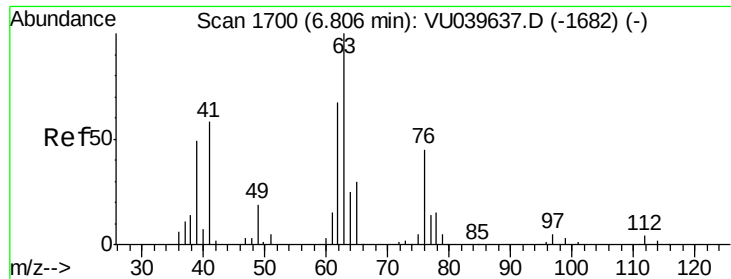
#35
 Methylcyclohexane
 Concen: 1.417 ug/L
 RT: 6.77 min Scan# 1689
 Delta R.T. -0.01 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 83 Resp: 2954
 Ion Ratio Lower Upper
 83 100
 55 77.5 62.9 94.3
 98 31.7 36.3 54.5#



Abundance Ion 83.00 (82.70 to 83.70): VU0
 Ion 55.00 (54.70 to 55.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





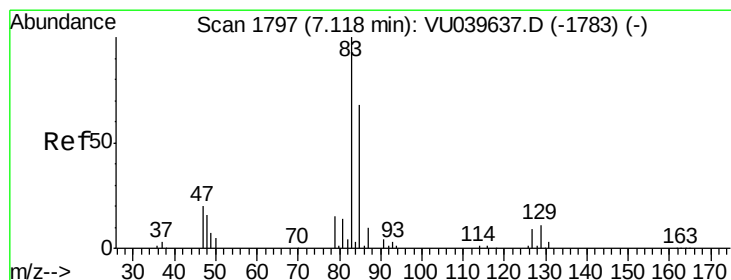
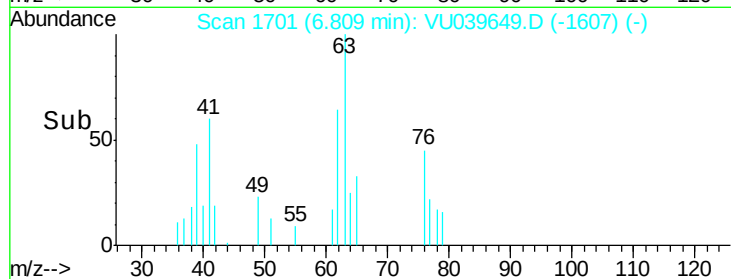
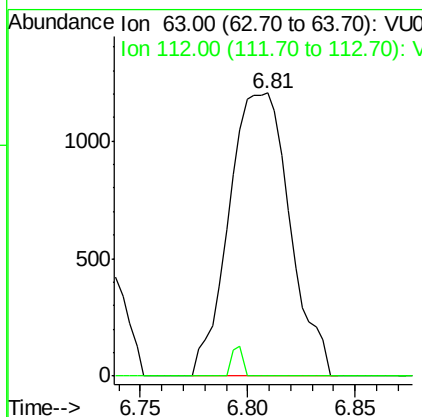
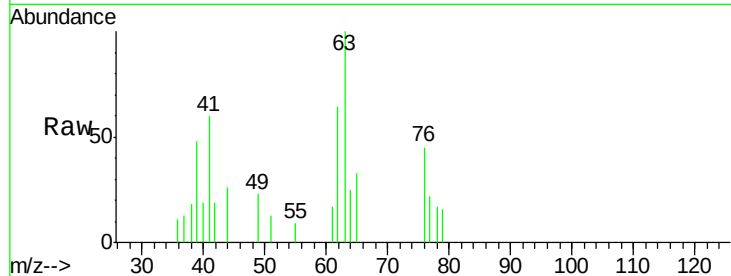
#37
 1,2-Dichloropropane
 Concen: 1.716 ug/L m
 RT: 6.81 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 63 Resp: 2368
 Ion Ratio Lower Upper
 63 100
 112 1.9 3.0 4.4#

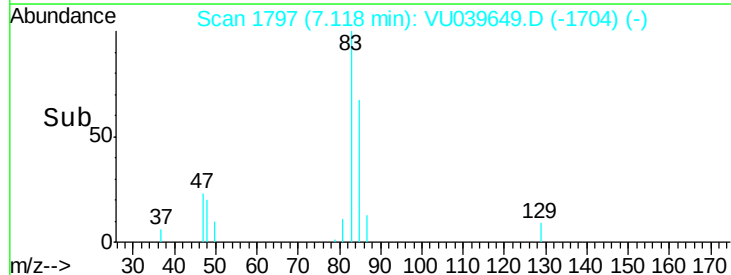
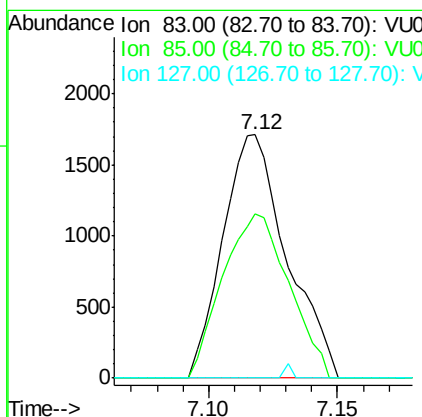
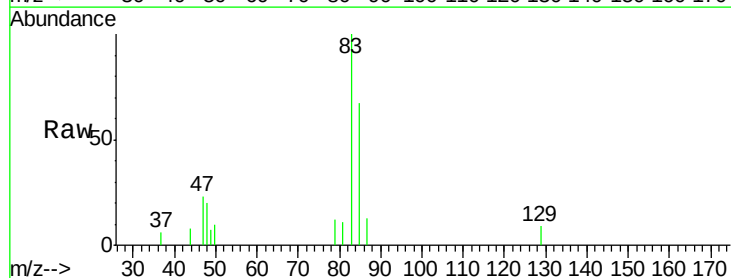
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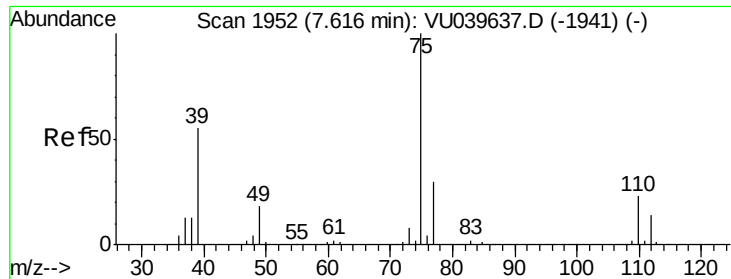
sam
 7/30/2020 2:57:48 AM



#38
 Bromodichloromethane
 Concen: 1.610 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 83 Resp: 2950
 Ion Ratio Lower Upper
 83 100
 85 67.5 45.9 85.3
 127 0.0 7.4 11.2#





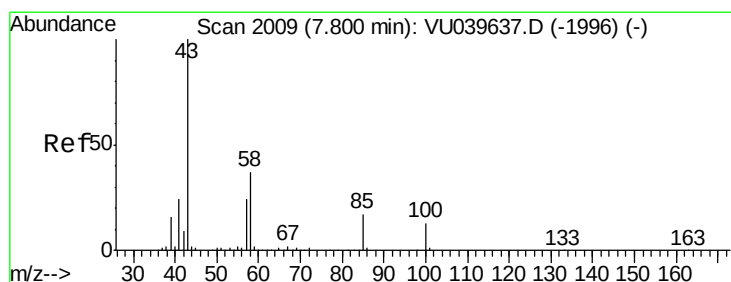
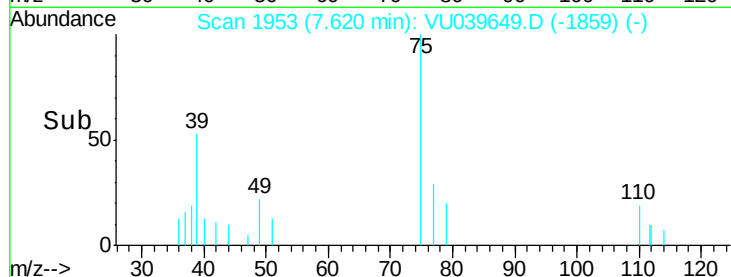
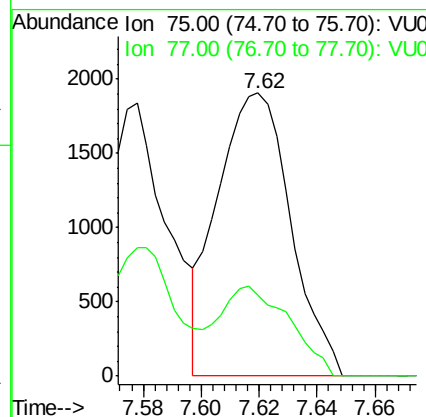
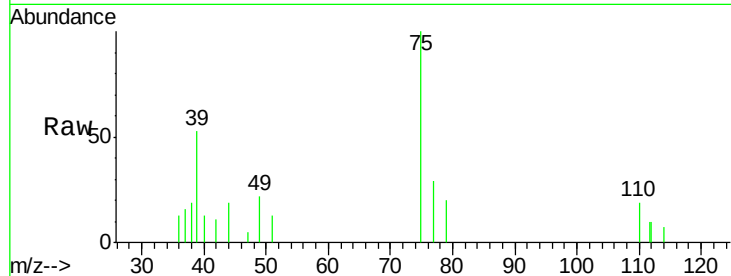
#39
 cis-1,3-Dichloropropene
 Concen: 1.620 ug/L
 RT: 7.62 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion: 75 Resp: 3341
 Ion Ratio Lower Upper
 75 100
 77 28.8 21.8 40.6

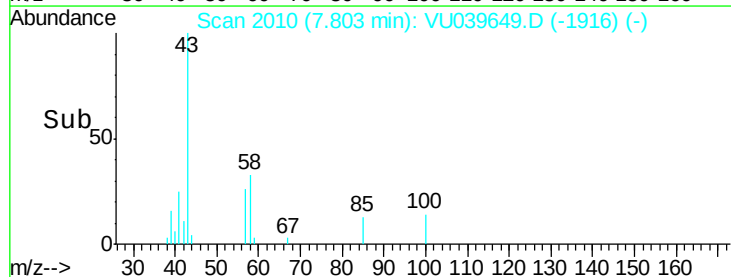
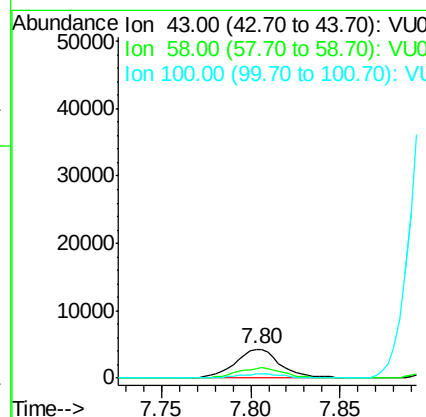
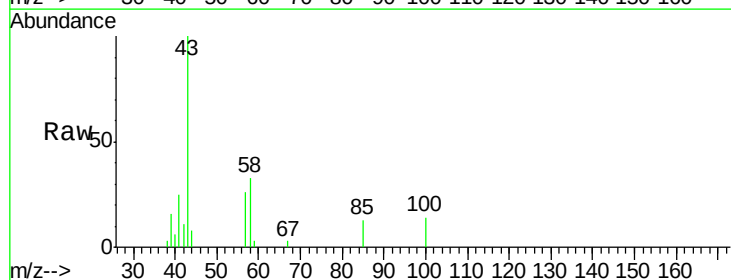
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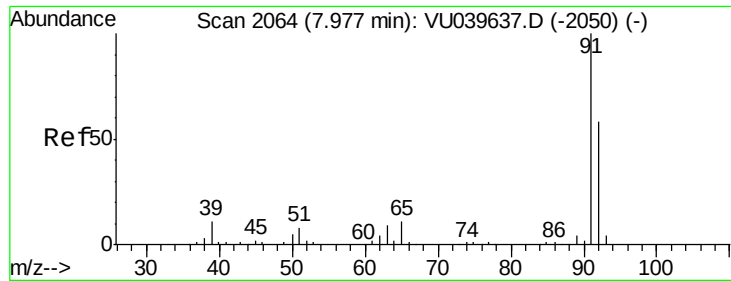
sam
 7/30/2020 2:57:48 AM



#40
 4-Methyl-2-pentanone
 Concen: 3.156 ug/L
 RT: 7.80 min Scan# 2010
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 43 Resp: 7586
 Ion Ratio Lower Upper
 43 100
 58 36.2 29.1 43.7
 100 13.6 10.6 16.0





#42

Toluene

Concen: 1.582 ug/L

RT: 7.98 min Scan# 2065

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampleId :

MDL03

Tot Ion: 91 Resp: 8868

Ion Ratio Lower Upper

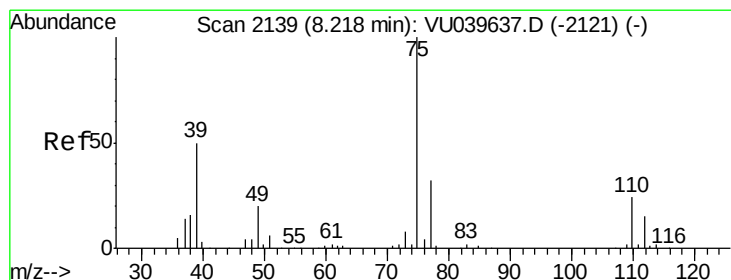
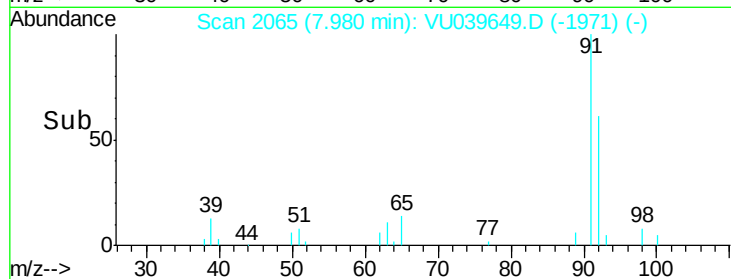
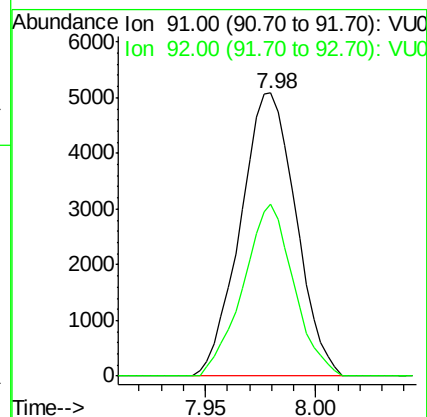
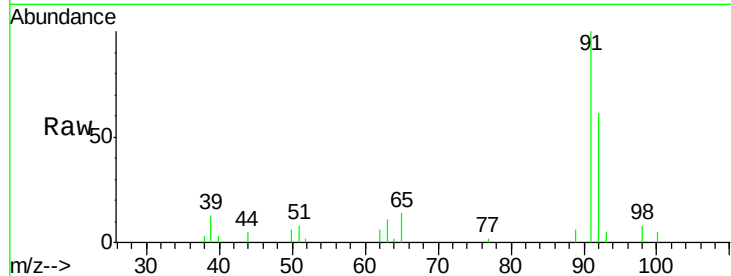
91 100

92 61.0 40.1 74.5

Manual Integrations
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sam

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#44

trans-1,3-Dichloropropene

Concen: 1.863 ug/L m

RT: 8.22 min Scan# 2140

Delta R.T. 0.00 min

Lab File: VU039649.D

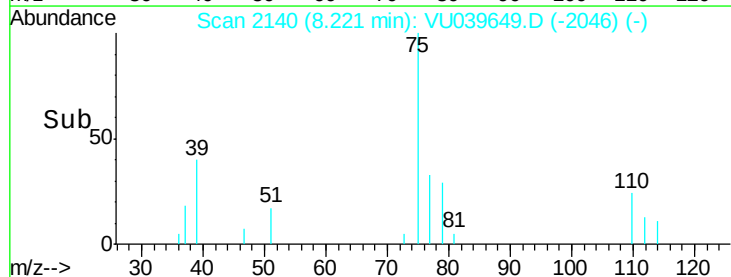
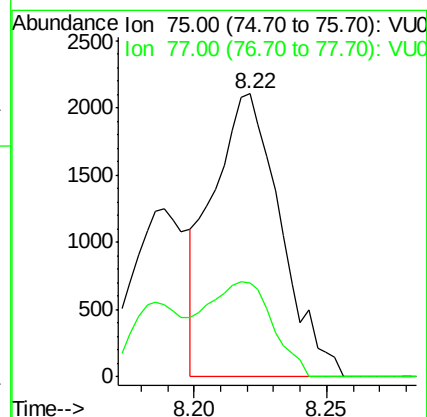
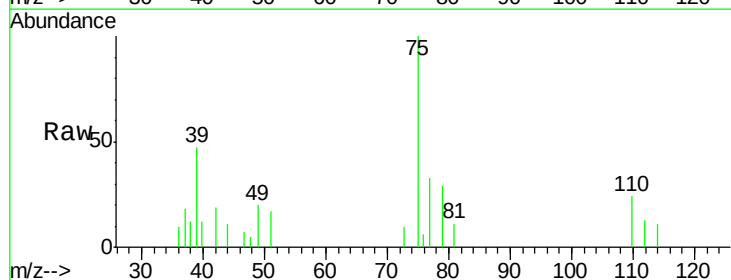
Acq: 23 Jul 2020 20:31

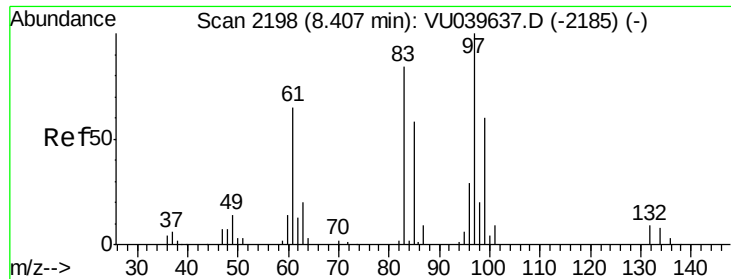
Tgt Ion: 75 Resp: 3762

Ion Ratio Lower Upper

75 100

77 33.4 22.7 42.1





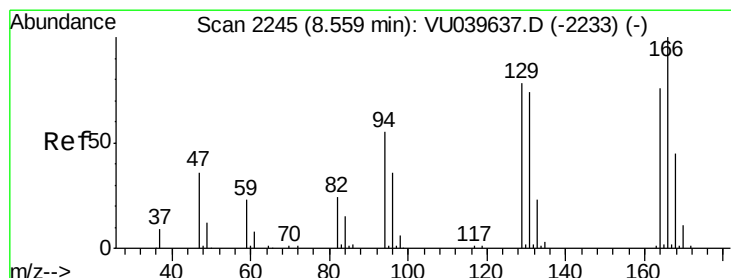
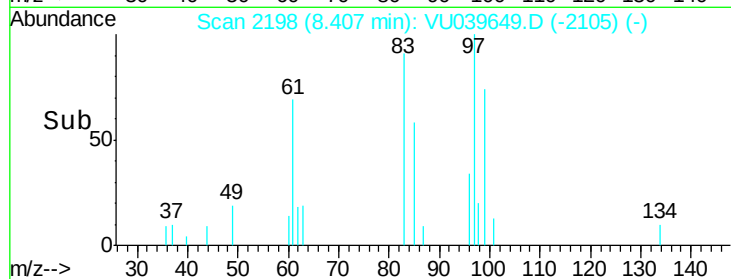
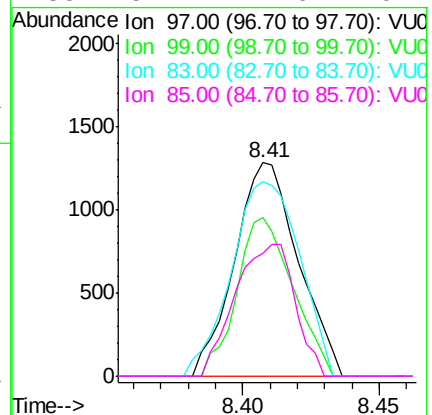
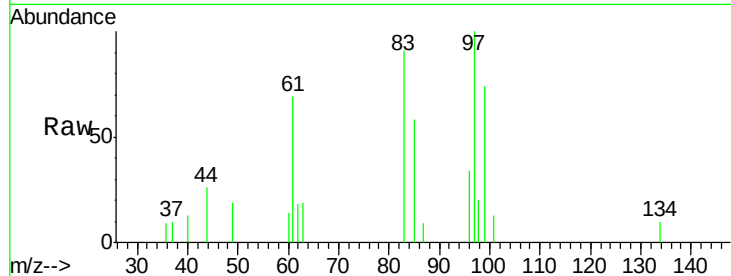
#45
 1,1,2-Trichloroethane
 Concen: 1.585 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion:	97	Resp:	2085
Ion	Ratio	Lower	Upper
97	100		
99	74.1	45.1	83.9
83	91.0	62.7	116.5
85	57.7	41.0	76.2

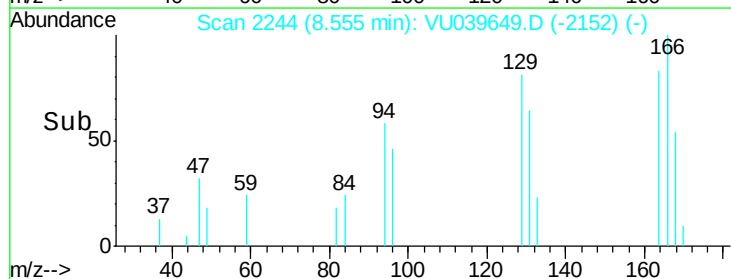
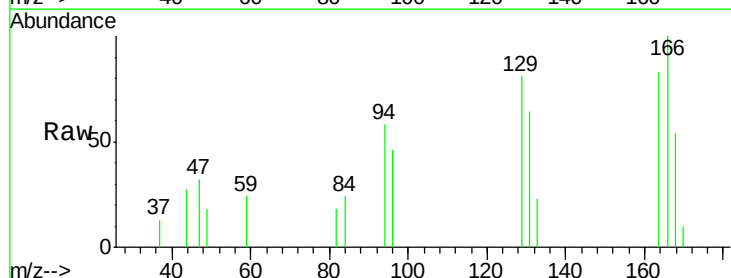
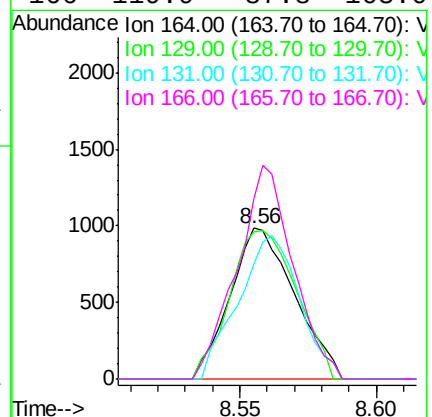
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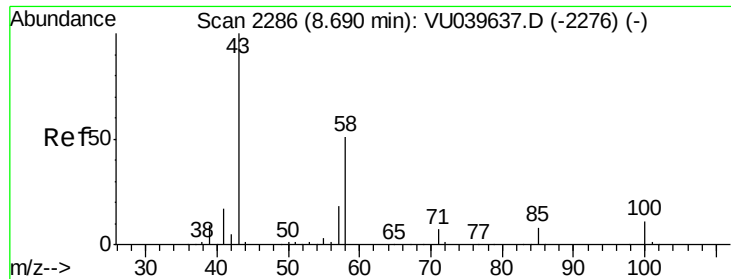
sam
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#46
 Tetrachloroethene
 Concen: 1.591 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion:	164	Resp:	1622
Ion	Ratio	Lower	Upper
164	100		
129	97.3	71.1	132.1
131	76.2	70.3	130.5
166	119.9	87.8	163.0





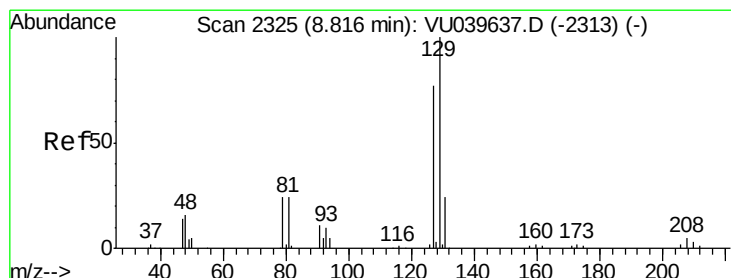
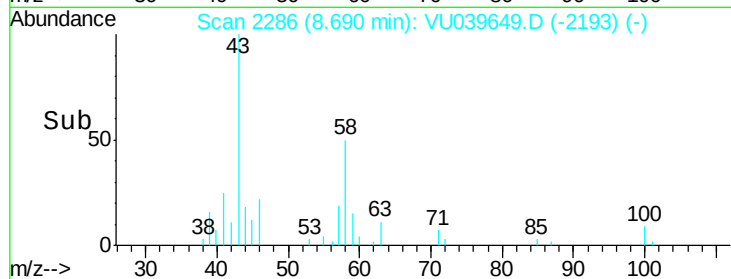
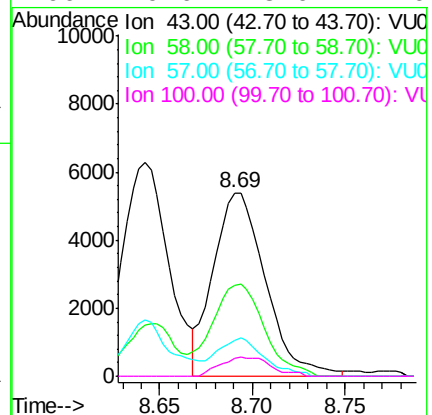
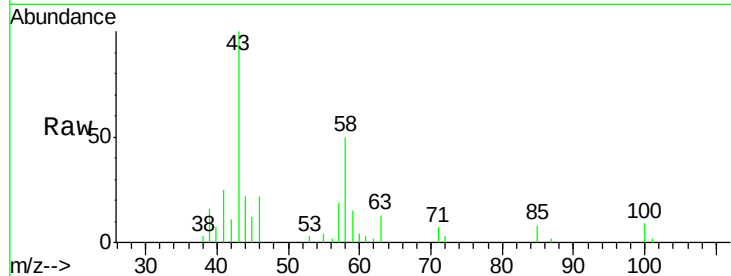
#48
2-Hexanone
Concen: 5.374 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Instrument :
MSVOA_U
ClientSampled :
MDL03

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.4	40.6	61.0
57	19.1	14.5	21.7
100	9.6	8.0	12.0

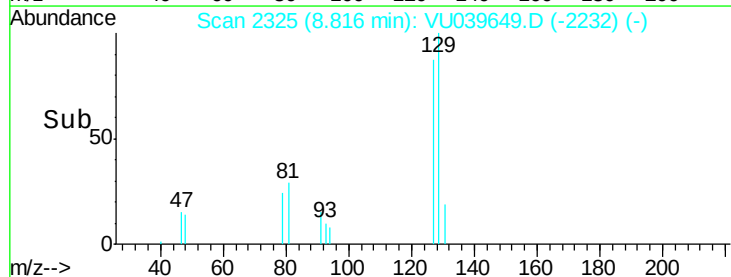
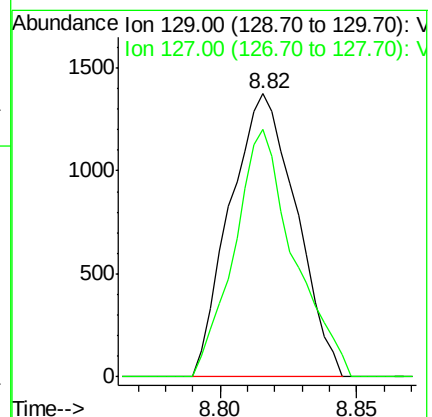
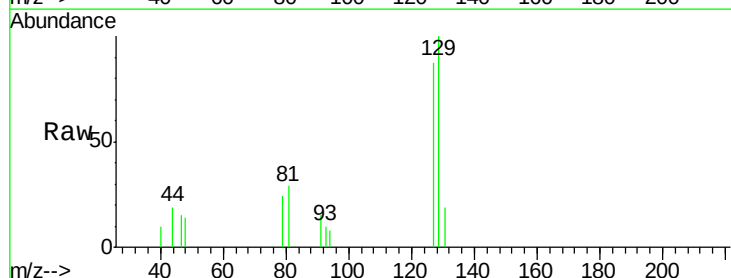
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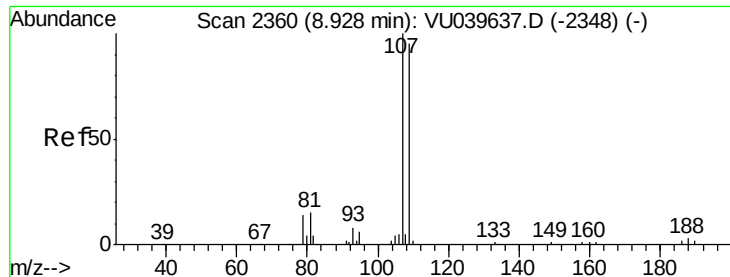
sam
7/30/2020 2:57:48 AM



#49
Dibromochloromethane
Concen: 1.556 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. -0.00 min
Lab File: VU039649.D
Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	87.5	54.3	100.9





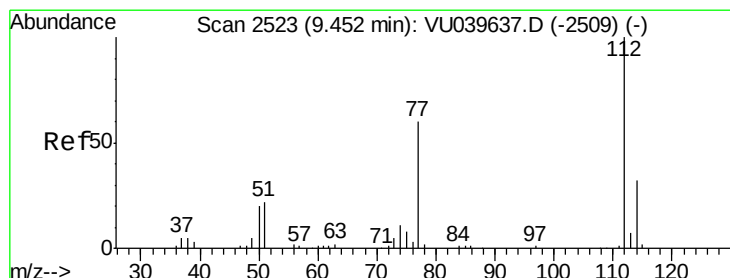
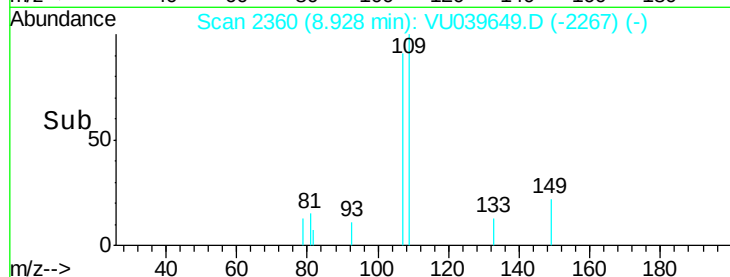
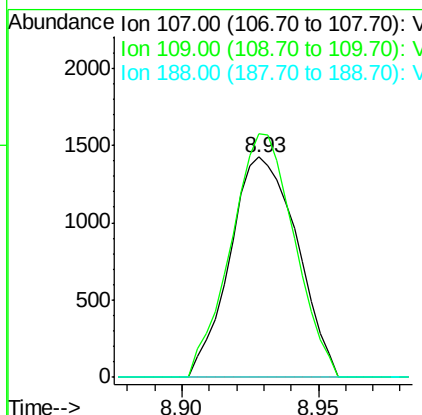
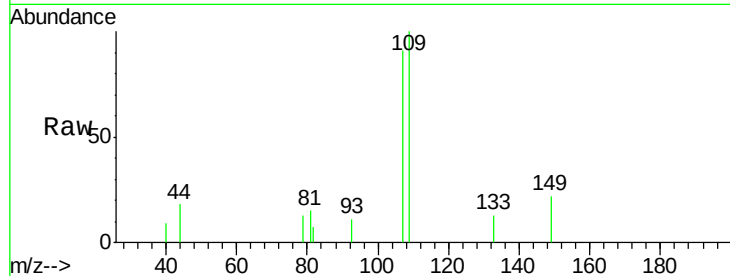
#50
 1,2-Dibromoethane
 Concen: 1.665 ug/L
 RT: 8.93 min Scan# 2360
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
107	100		
109	110.5	66.8	124.2
188	0.0	3.0	4.4#

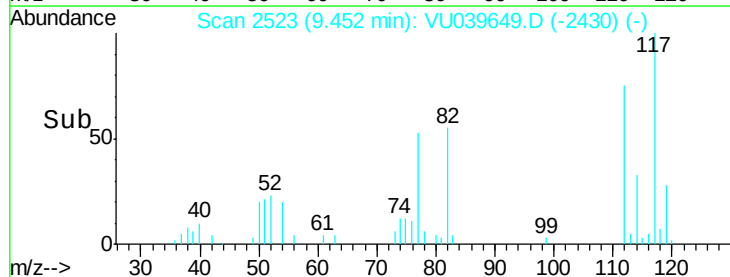
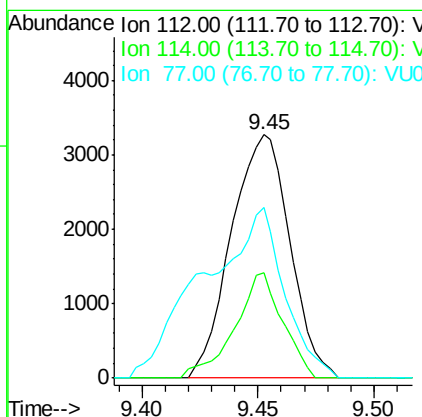
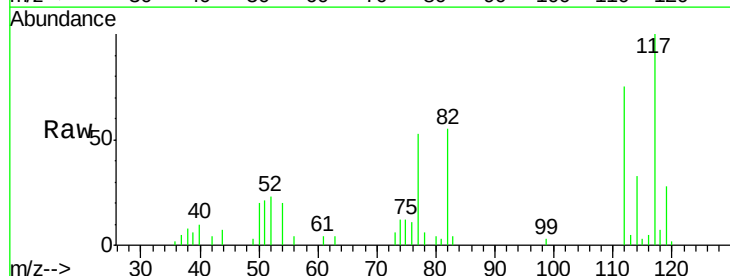
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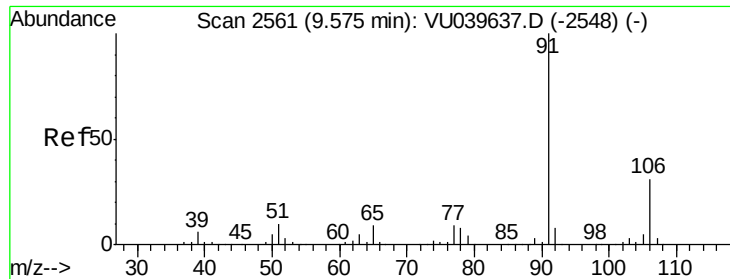
sam
 7/30/2020 2:57:48 AM



#51
 Chlorobenzene
 Concen: 1.606 ug/L
 RT: 9.45 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
114	43.3	22.9	42.5#
77	70.0	49.4	74.0





#52

Ethylbenzene

Concen: 1.486 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion: 91 Resp: 9201

Ion Ratio Lower Upper

91 100

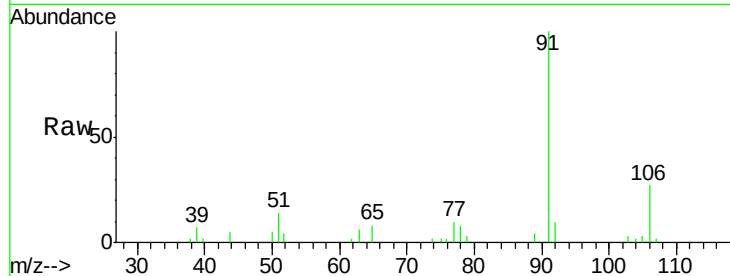
106 26.5 21.1 39.1

Manual Integrations

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sam

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Abundance Ion 91.00 (90.70 to 91.70): VU039637.D (-2548) (-)

Ion 106.00 (105.70 to 106.70): VU039637.D (-2548) (-)

6000

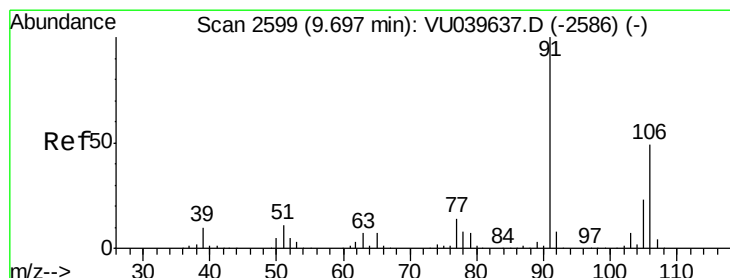
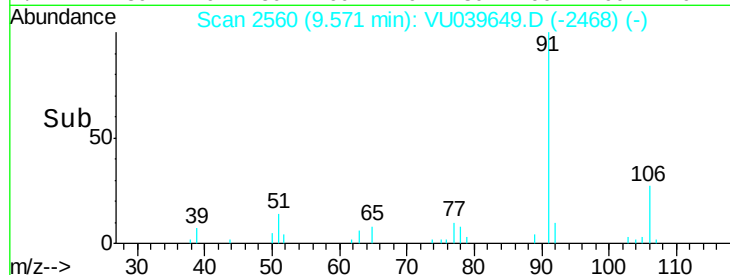
4000

2000

0

9.55 9.60

Time-->



#53

m,p-Xylene

Concen: 1.569 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. -0.00 min

Lab File: VU039649.D

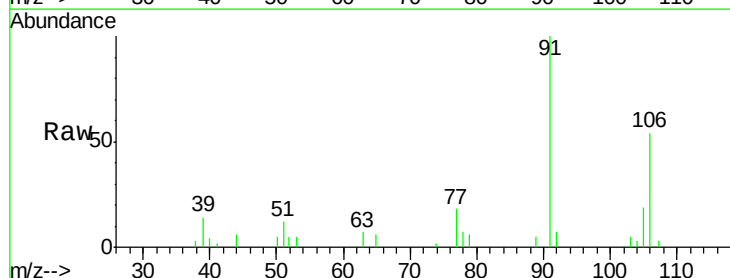
Acq: 23 Jul 2020 20:31

Tgt Ion: 106 Resp: 3663

Ion Ratio Lower Upper

106 100

91 186.8 149.7 277.9



Abundance Ion 106.00 (105.70 to 106.70): VU039637.D (-2586) (-)

Ion 91.00 (90.70 to 91.70): VU039637.D (-2586) (-)

5000

4000

3000

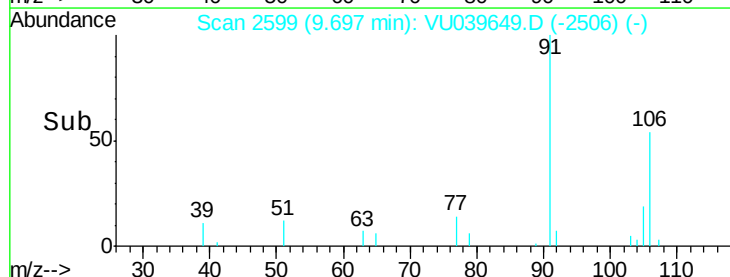
2000

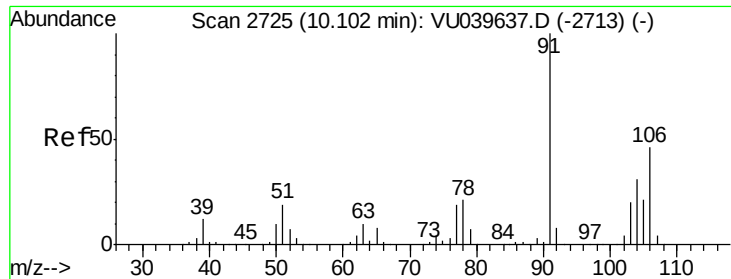
1000

0

9.65 9.70 9.75

Time-->





#54

o-xylene

Concen: 1.576 ug/L

RT: 10.10 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

ClientSampled :

MDL03

Tot Ion:106 Resp: 3530

Ion Ratio Lower Upper

106 100

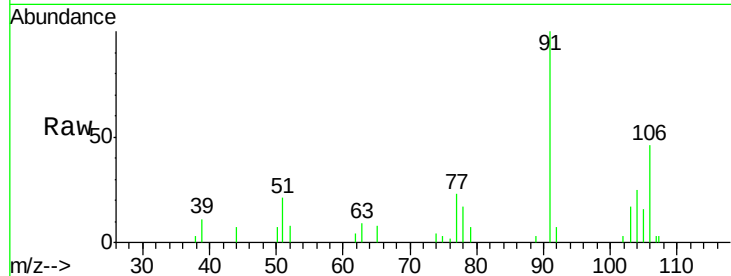
91 215.3 155.1 288.1

Manual Integrations

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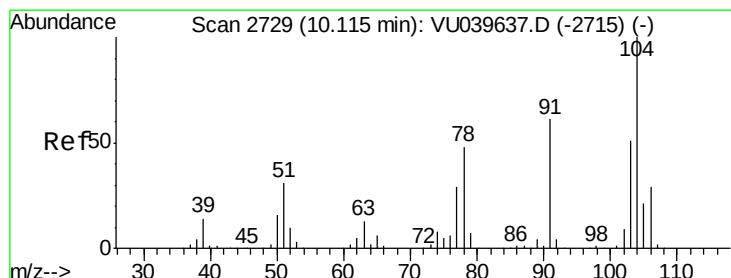
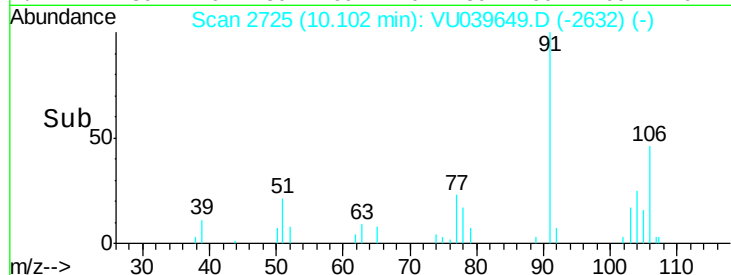
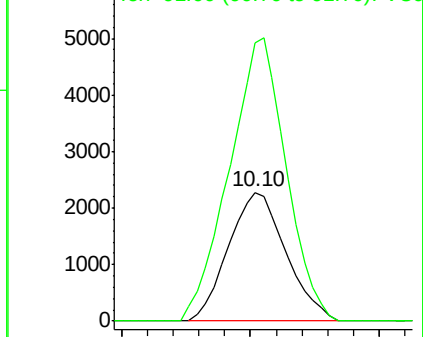
sam

7/30/2020 2:57:48 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 1.346 ug/L

RT: 10.12 min Scan# 2730

Delta R.T. 0.00 min

Lab File: VU039649.D

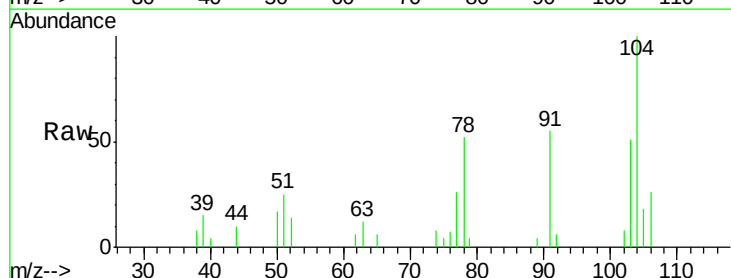
Acq: 23 Jul 2020 20:31

Tgt Ion:104 Resp: 5219

Ion Ratio Lower Upper

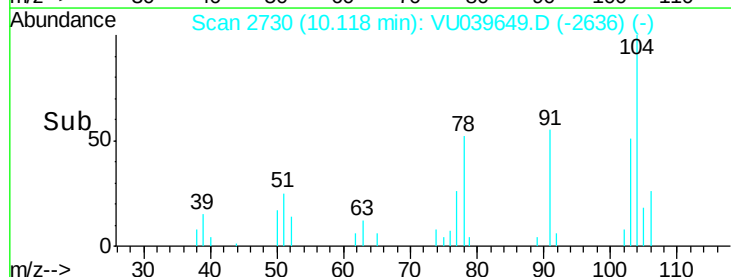
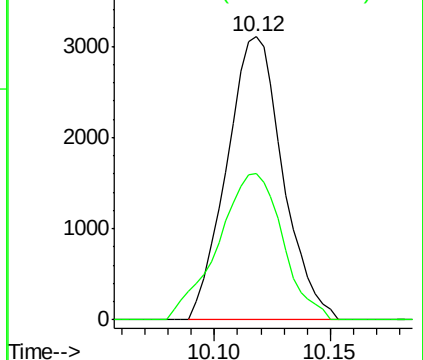
104 100

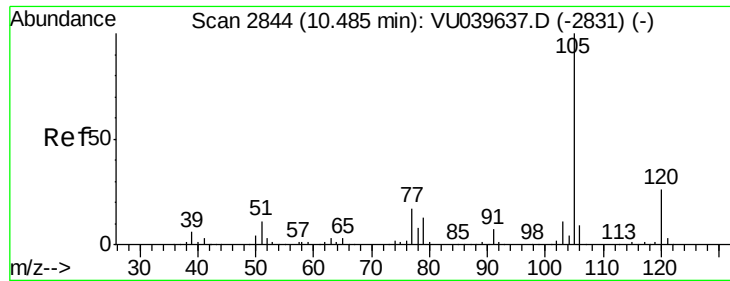
78 51.7 34.3 63.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0





#56

Isopropylbenzene

Concen: 1.396 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

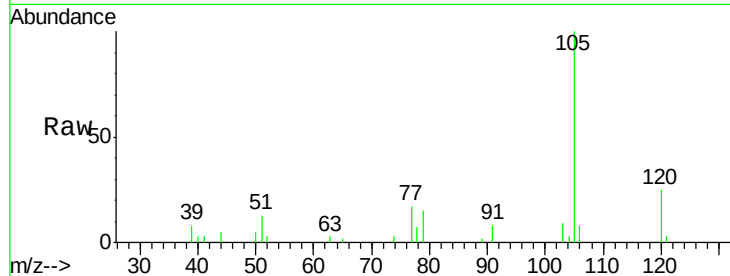
ClientSampleId :

MDL03

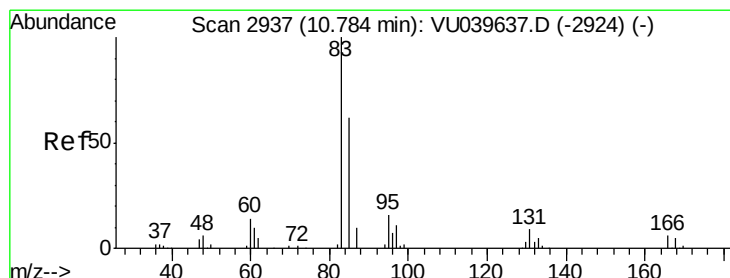
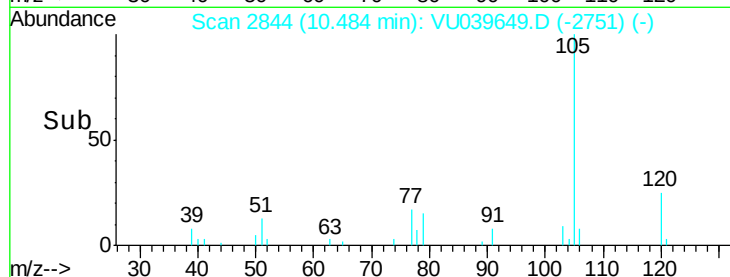
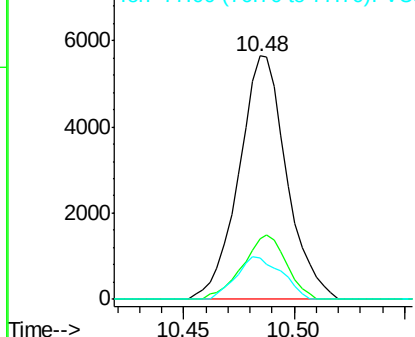
Tot Ion:	105	Resp:	8489
Ion Ratio	Lower	Upper	
105	100		
120	24.2	20.6	31.0
77	16.7	13.4	20.2

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: 1.667 ug/L

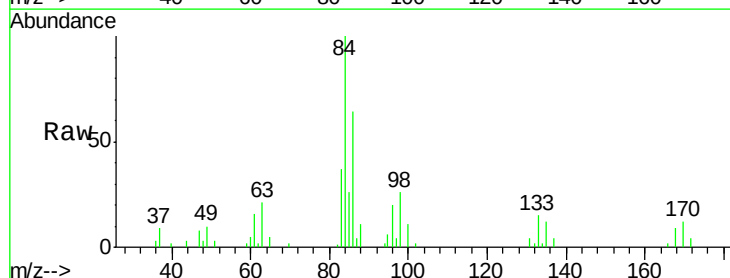
RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

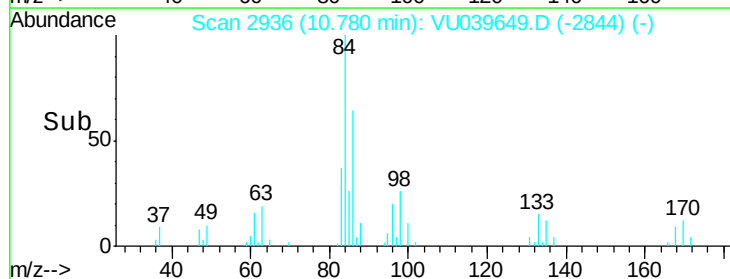
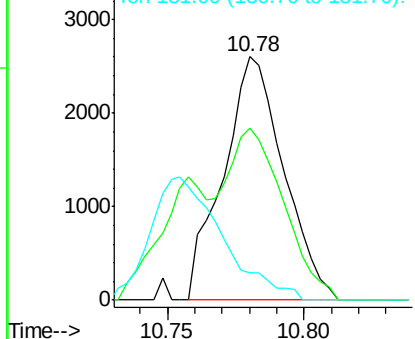
Lab File: VU039649.D

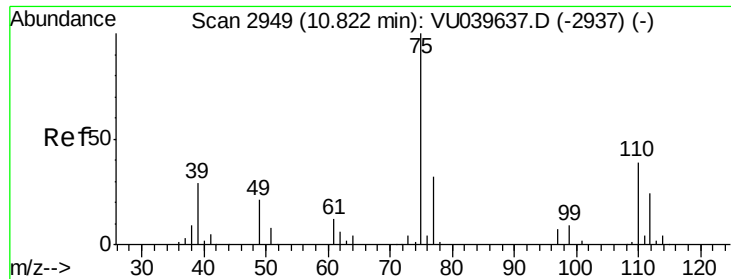
Acq: 23 Jul 2020 20:31

Tgt Ion:	83	Resp:	3998
Ion Ratio	Lower	Upper	
83	100		
85	70.7	46.4	86.2
131	11.5	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





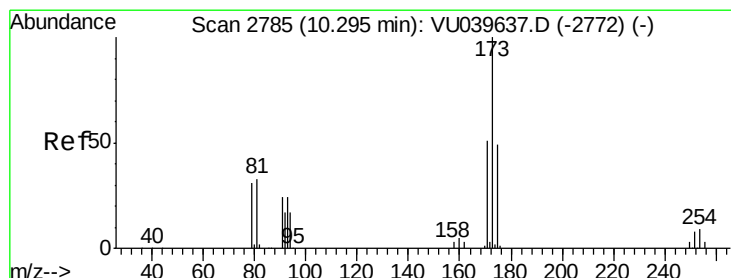
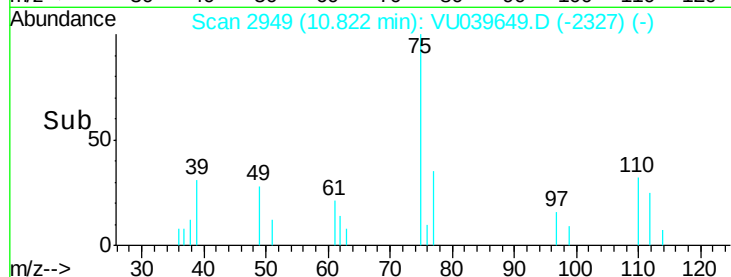
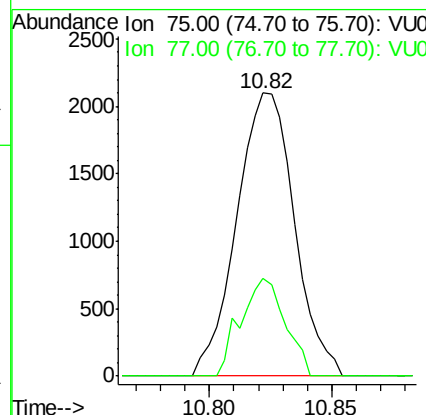
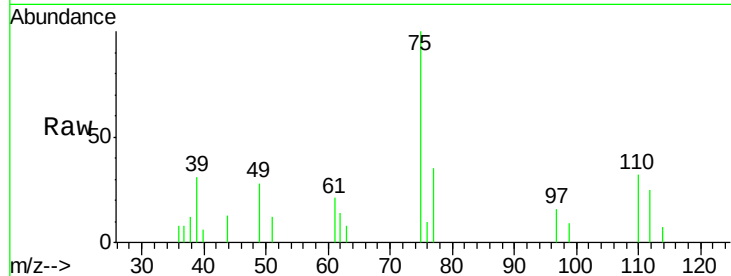
#59
 1,2,3-Trichloropropane
 Concen: 1.720 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion: 75 Resp: 3444
 Ion Ratio Lower Upper
 75 100
 77 26.6 25.4 38.2

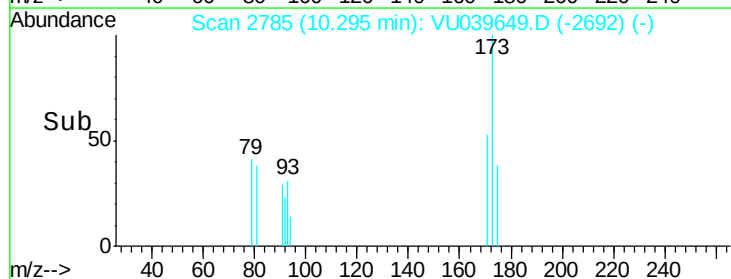
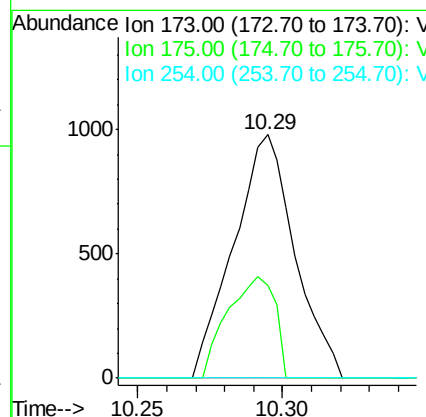
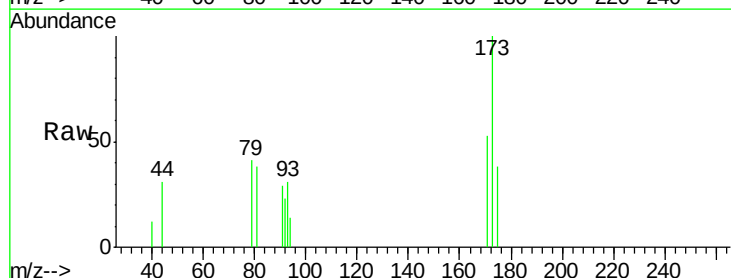
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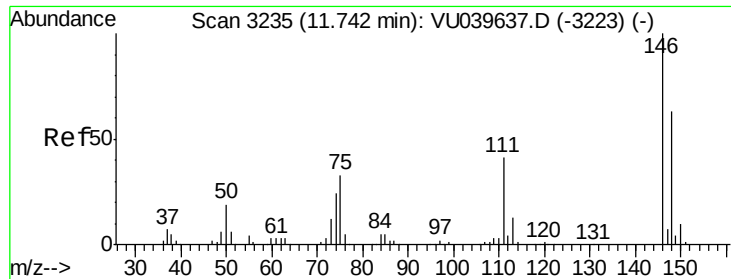
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#61
 Bromoform
 Concen: 1.430 ug/L
 RT: 10.29 min Scan# 2785
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion: 173 Resp: 1437
 Ion Ratio Lower Upper
 173 100
 175 32.3 38.4 57.6#
 254 0.0 7.0 10.6#





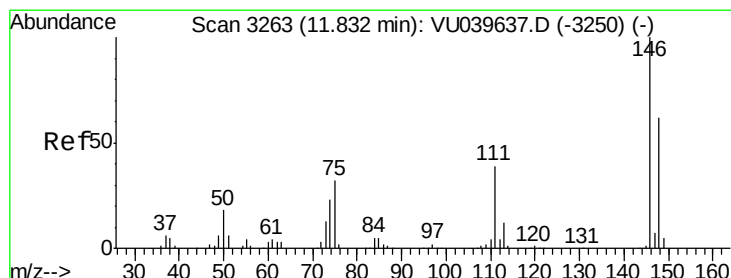
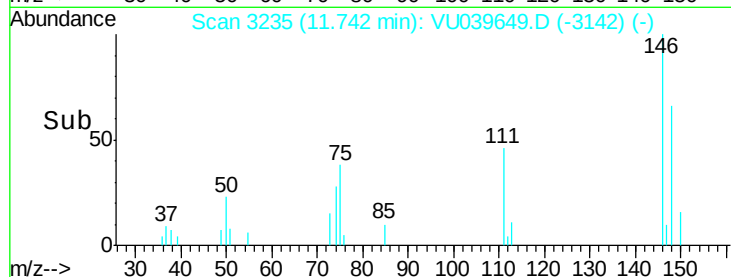
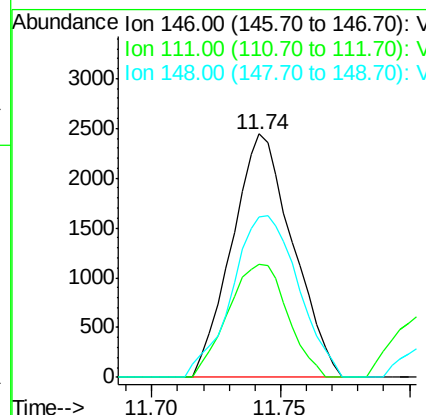
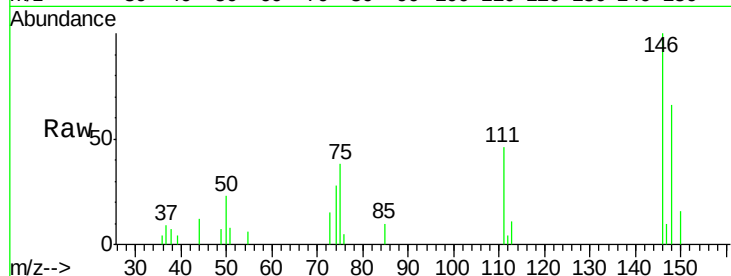
#62
 1,3-Dichlorobenzene
 Concen: 1.544 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	29.3	54.3
148	66.0	46.1	85.5

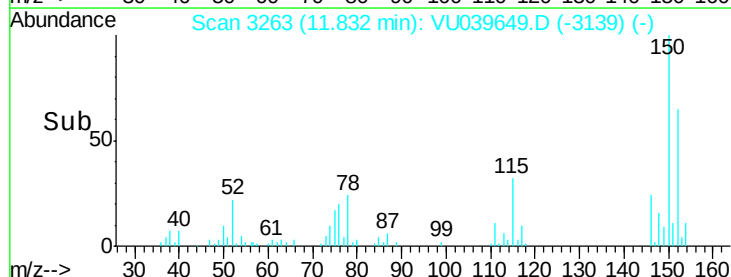
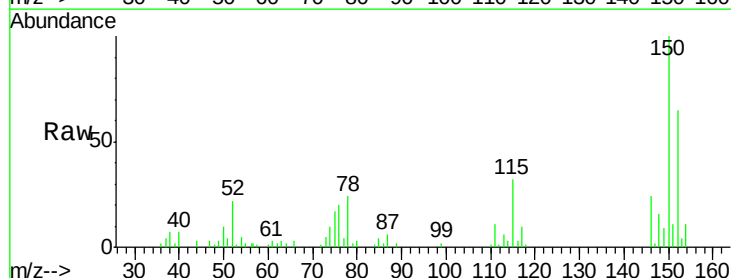
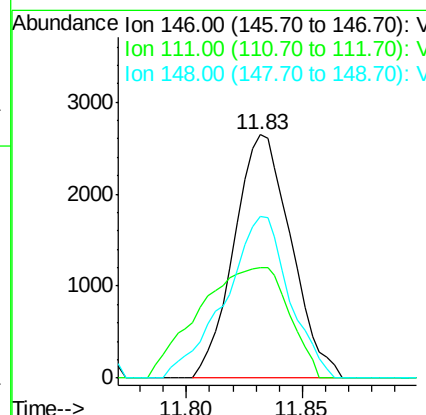
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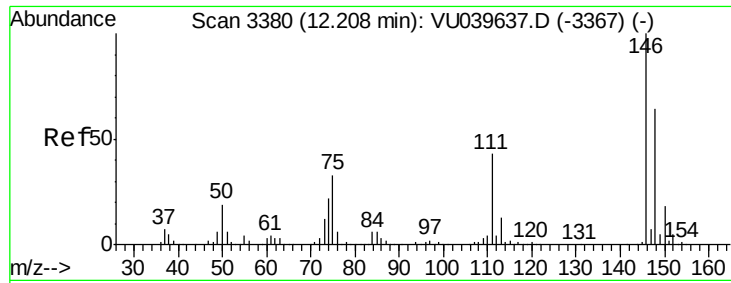
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#63
 1,4-Dichlorobenzene
 Concen: 1.728 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.5	27.8	51.6
148	66.4	44.7	83.1





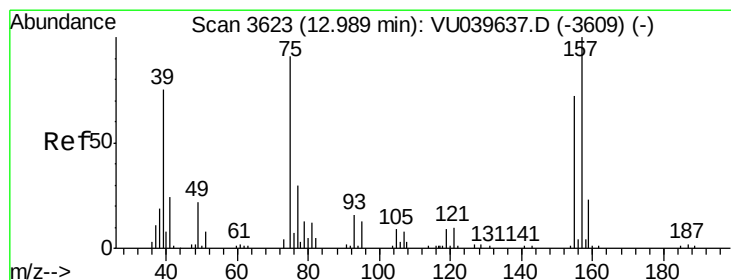
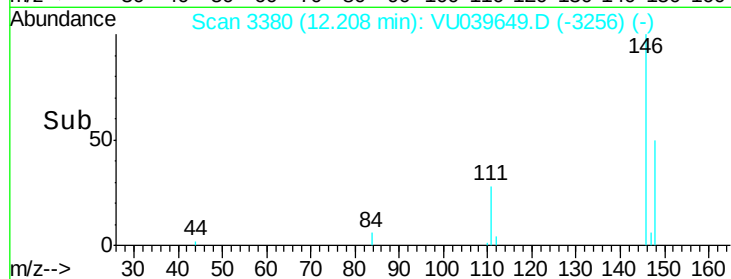
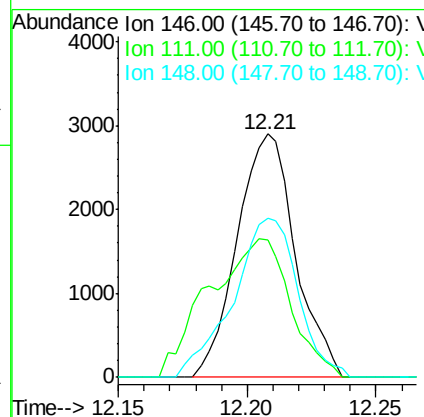
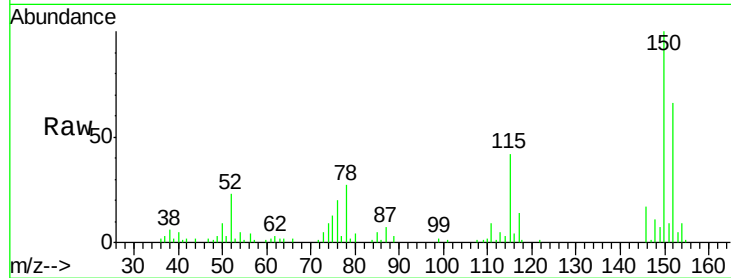
#65
 1,2-Dichlorobenzene
 Concen: 1.735 ug/L
 RT: 12.21 min Scan# 3380
 Delta R.T. -0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampled :
 MDL03

Tot Ion	Ratio	Lower	Upper
146	100		
111	56.6	34.8	52.2#
148	65.5	52.5	78.7

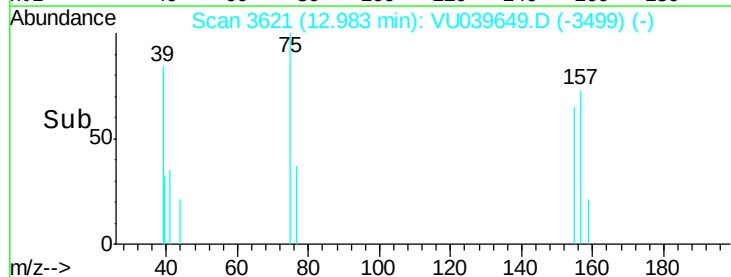
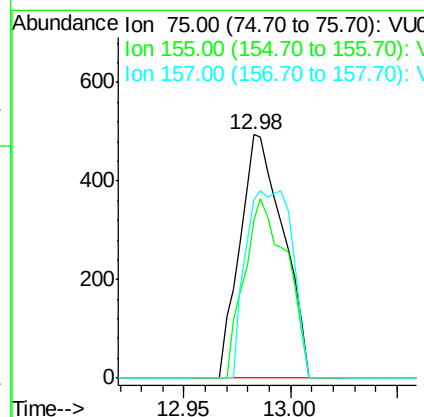
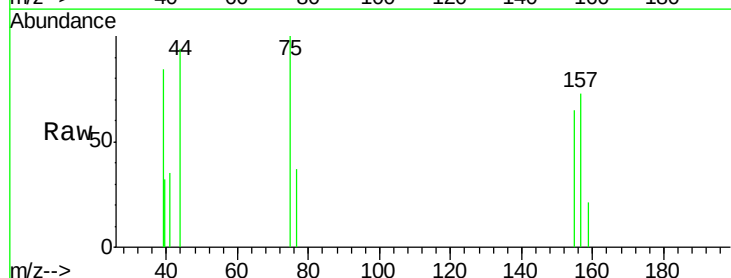
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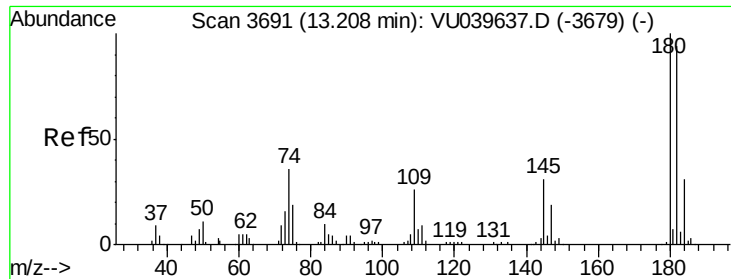
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.333 ug/L m
 RT: 12.98 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.8	62.4	93.6
157	73.5	78.9	118.3#





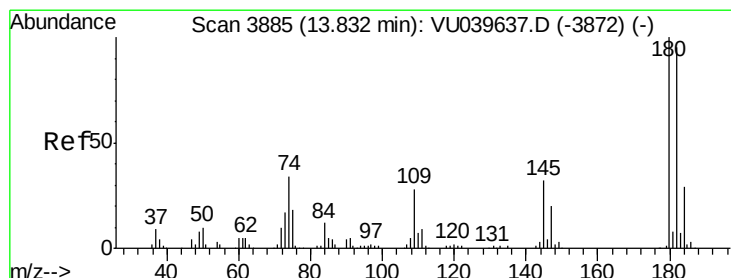
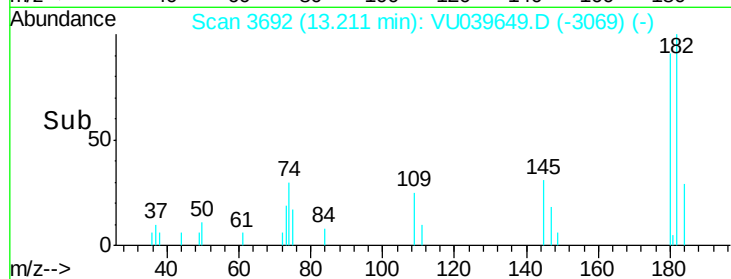
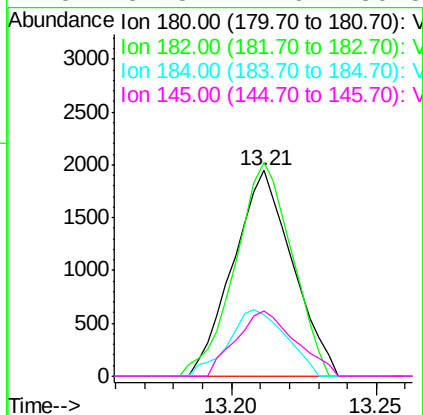
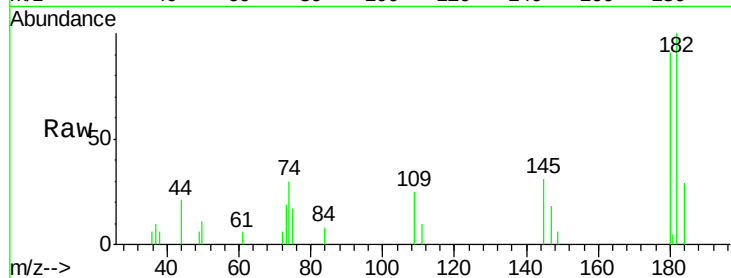
#67
 1,3,5-Trichlorobenzene
 Concen: 1.475 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL03

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.9	75.7	113.5
184	31.5	24.2	36.2
145	31.8	24.6	36.8

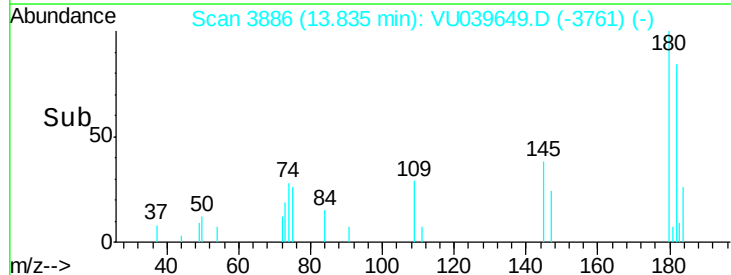
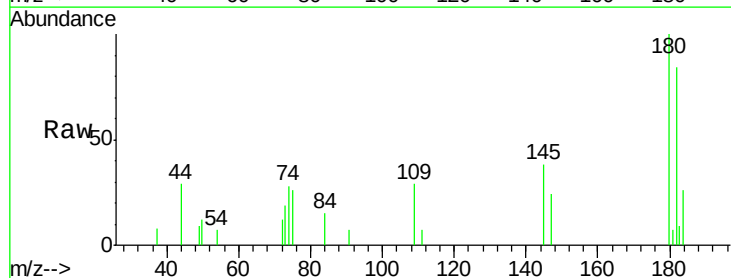
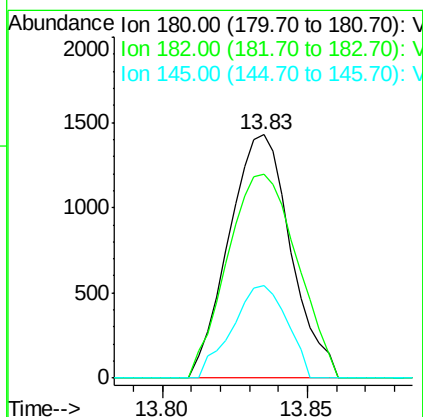
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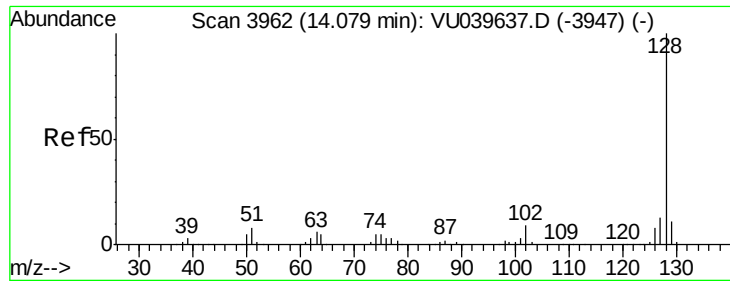
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#68
 1,2,4-trichlorobenzene
 Concen: 1.332 ug/L
 RT: 13.83 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VU039649.D
 Acq: 23 Jul 2020 20:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	74.4	111.6
145	33.8	24.8	37.2





#69

Naphthalene

Concen: 1.319 ug/L

RT: 14.08 min Scan# 3962

Delta R.T. -0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Instrument :

MSVOA_U

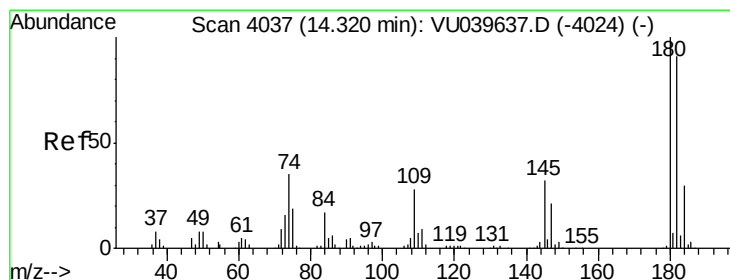
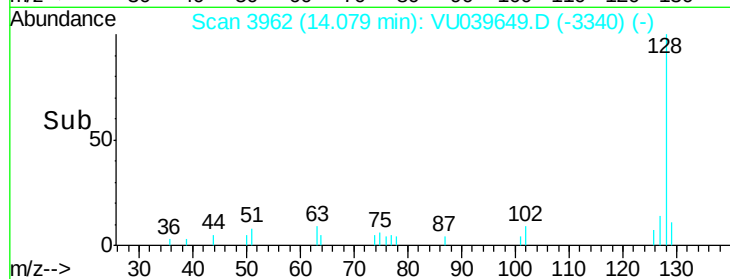
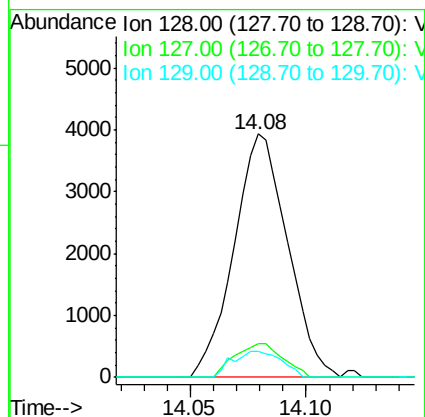
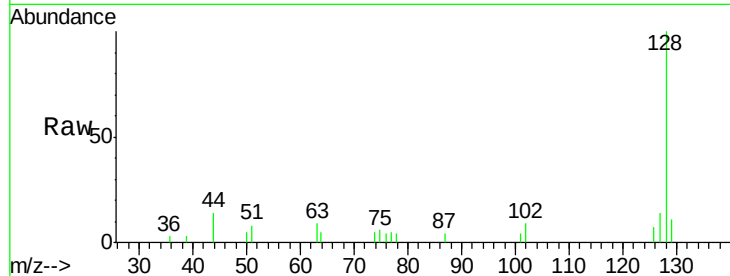
ClientSampled :

MDL03

Tot Ion:128 Resp: 6300
 Ion Ratio Lower Upper
 128 100
 127 12.6 10.7 16.1
 129 7.8 8.8 13.2#

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#70

1,2,3-Trichlorobenzene

Concen: 1.273 ug/L

RT: 14.32 min Scan# 4038

Delta R.T. 0.00 min

Lab File: VU039649.D

Acq: 23 Jul 2020 20:31

Tgt Ion:180 Resp: 2047
 Ion Ratio Lower Upper
 180 100
 182 103.0 76.6 114.8
 145 35.0 27.0 40.4

