

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040017.D
 Acq On : 02 Sep 2020 11:23
 Operator : SY/MD
 Sample : MDL02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:25 PM

Quant Time: Sep 03 01:35:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR083120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 03 01:16:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	110590	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	111711	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	51654	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	27699	4.59	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.80%
7) Chloroethane-d5	1.92	69	24482	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.58	63	49227	3.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.60%
20) 2-Butanone-d5	4.65	46	122421	50.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.38%
24) Chloroform-d	5.08	84	66062	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
26) 1,2-Dichloroethane-d4	5.72	65	42736	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
32) Benzene-d6	5.75	84	125611	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.70	67	41087	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.91	98	106265	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.19	79	17546	4.44	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.80%
46) 2-Hexanone-d5	8.64	63	92495	49.45	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.90%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	36635	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.60%
64) 1,2-Dichlorobenzene-d4	12.19	152	41489	4.96	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	1954	0.178	ug/L	92
3) Chloromethane	1.53	50	2497	0.238	ug/L	96
5) Vinyl chloride	1.61	62	2482	0.233	ug/L #	71
6) Bromomethane	1.86	94	1339	0.246	ug/L	98
8) Chloroethane	1.94	64	1515	0.237	ug/L	91
9) Trichlorofluoromethane	2.15	101	3009	0.197	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	2286	0.231	ug/L	89
12) 1,1-Dichloroethene	2.59	96	2110	0.247	ug/L #	1
13) Acetone	2.66	43	4882	2.184	ug/L	95
14) Carbon disulfide	2.81	76	5711	0.208	ug/L	100
15) Methyl Acetate	2.96	43	1374m	0.245	ug/L	
16) Methylene chloride	3.06	84	3761	0.336	ug/L	97
17) Methyl tert-butyl Ether	3.38	73	5015	0.194	ug/L	98
18) trans-1,2-Dichloroethene	3.37	96	1693	0.184	ug/L	84
19) 1,1-Dichloroethane	3.89	63	3793	0.200	ug/L	95
21) 2-Butanone	4.73	43	6405	1.755	ug/L	99
22) cis-1,2-Dichloroethene	4.69	96	2020	0.204	ug/L	90

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

23) Bromochloromethane	5.00	128	833	0.192	ug/L #	66
25) Chloroform	5.11	83	6749	0.348	ug/L	96
27) 1,2-Dichloroethane	5.80	62	2977	0.209	ug/L #	94
29) 1,1,1-Trichloroethane	5.33	97	3579m	0.204	ug/L	
30) Cyclohexane	5.40	56	3064	0.180	ug/L	95
31) Carbon tetrachloride	5.54	117	2802m	0.187	ug/L	
33) Benzene	5.79	78	7736	0.194	ug/L	100
34) Trichloroethene	6.55	95	1786	0.167	ug/L	92
35) Methylcyclohexane	6.77	83	2729	0.166	ug/L	95
37) 1,2-Dichloropropane	6.80	63	1977	0.183	ug/L #	91
38) Bromodichloromethane	7.12	83	2716	0.184	ug/L	82
39) cis-1,3-Dichloropropene	7.61	75	3107	0.195	ug/L	99
40) 4-Methyl-2-pentanone	7.80	43	16117	1.815	ug/L #	87
42) Toluene	7.98	91	7909	0.192	ug/L	94
44) trans-1,3-Dichloropropene	8.21	75	3095m	0.209	ug/L	
45) 1,1,2-Trichloroethane	8.41	97	1492	0.189	ug/L	85
47) Tetrachloroethene	8.56	164	1277	0.181	ug/L	87
48) 2-Hexanone	8.69	43	14949	2.308	ug/L	99
49) Dibromochloromethane	8.82	129	1753	0.185	ug/L	88
50) 1,2-Dibromoethane	8.93	107	1329	0.175	ug/L #	96
51) Chlorobenzene	9.45	112	4979	0.195	ug/L	95
52) Ethylbenzene	9.57	91	8035	0.172	ug/L	98
53) m,p-Xylene	9.69	106	2845	0.171	ug/L	82
54) o-Xylene	10.11	106	2728	0.172	ug/L	82
55) Styrene	10.11	104	4806	0.174	ug/L	92
56) Isopropylbenzene	10.48	105	7498	0.173	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	1987	0.197	ug/L	89
59) 1,2,3-Trichloropropane	10.82	75	1616m	0.202	ug/L	
61) Bromoform	10.29	173	928	0.196	ug/L #	87
62) 1,3-Dichlorobenzene	11.74	146	3939	0.209	ug/L	92
63) 1,4-Dichlorobenzene	11.83	146	4071	0.213	ug/L	95
65) 1,2-Dichlorobenzene	12.20	146	3569	0.195	ug/L #	89
66) 1,2-Dibromo-3-chloropropan	12.99	75	358m	0.183	ug/L	
67) 1,3,5-Trichlorobenzene	13.21	180	2627m	0.198	ug/L	
68) 1,2,4-trichlorobenzene	13.83	180	2018	0.176	ug/L	96
69) Naphthalene	14.08	128	3429	0.144	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.32	180	1620	0.154	ug/L	89

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

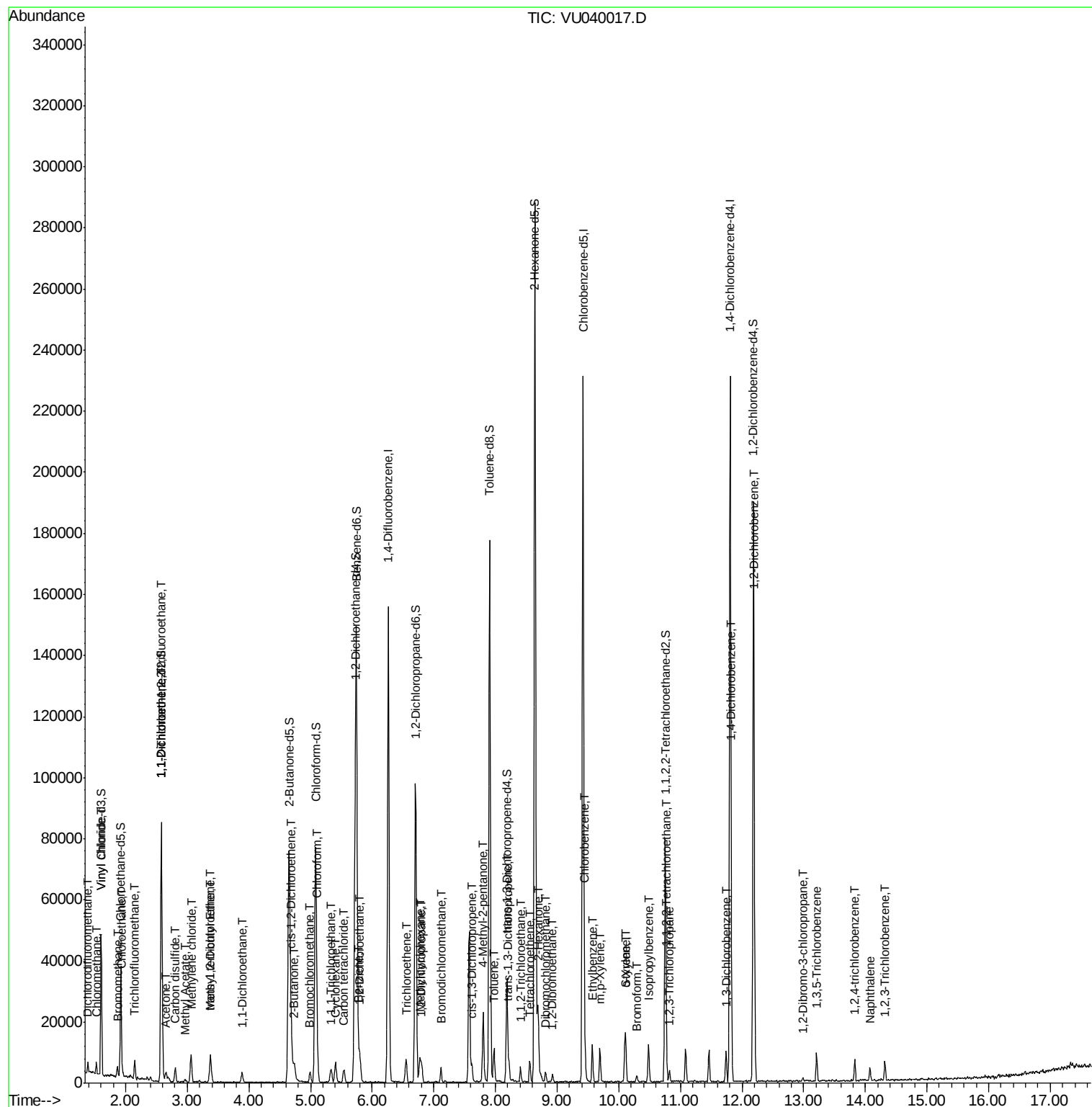
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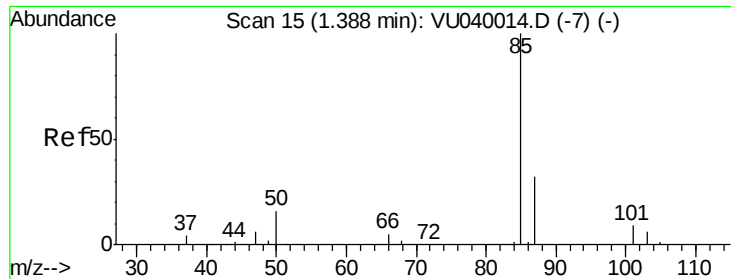
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.178 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Tot Ion: 85 Resp: 1954

Ion Ratio Lower Upper

85 100

87 28.1 25.9 38.9

Instrument :

MSVOA_U

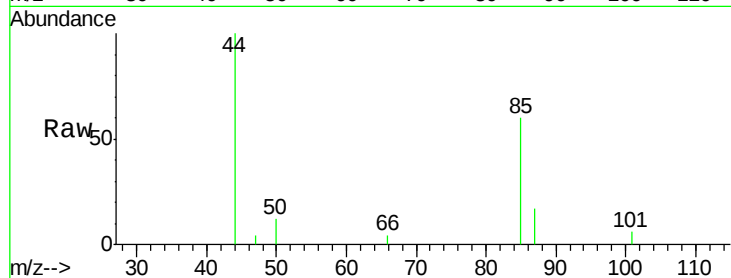
ClientSampleId :

MDL02

Manual Integrations
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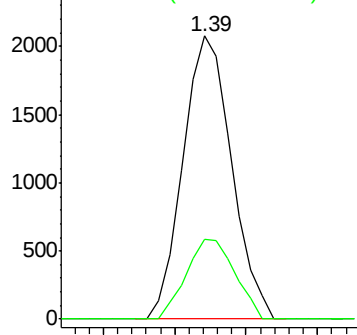
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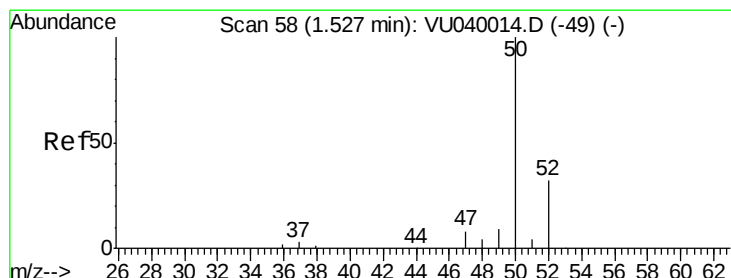
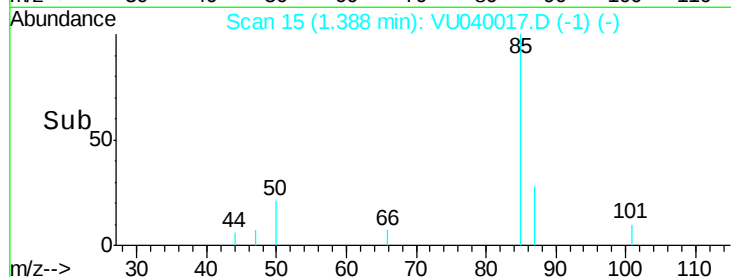


Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



Time-->



#3

Chloromethane

Concen: 0.238 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU040017.D

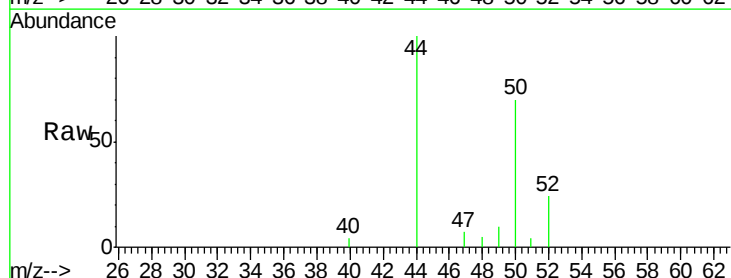
Acq: 02 Sep 2020 11:23

Tgt Ion: 50 Resp: 2497

Ion Ratio Lower Upper

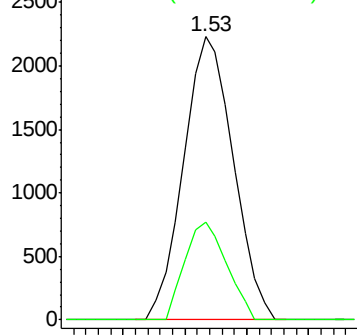
50 100

52 34.7 22.8 42.4

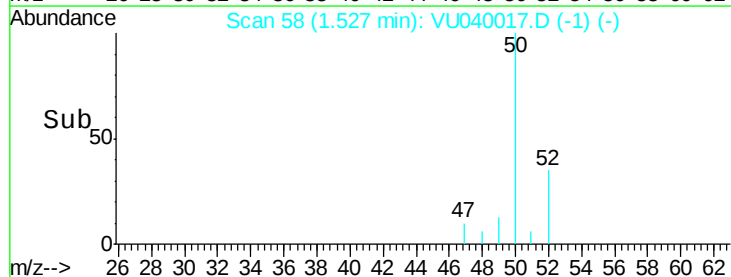


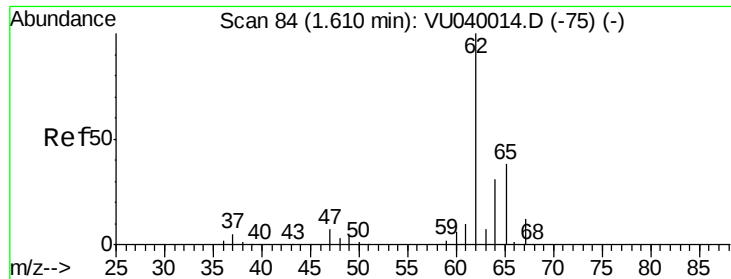
Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



Time-->





#5

Vinyl chloride

Concen: 0.233 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion: 62 Resp: 2482

Ion Ratio Lower Upper

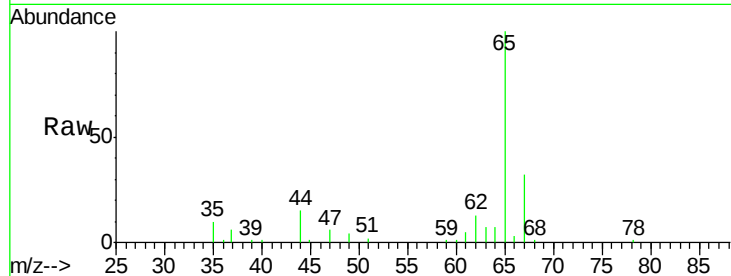
62 100

64 50.6 23.9 44.3#

Manual Integrations
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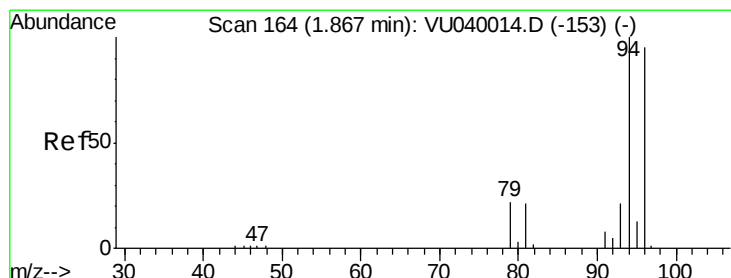
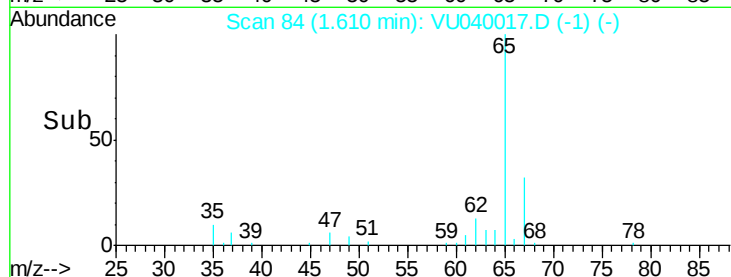
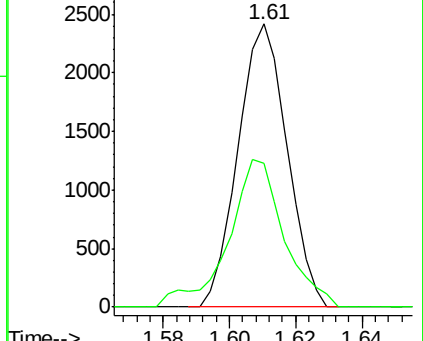
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.246 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040017.D

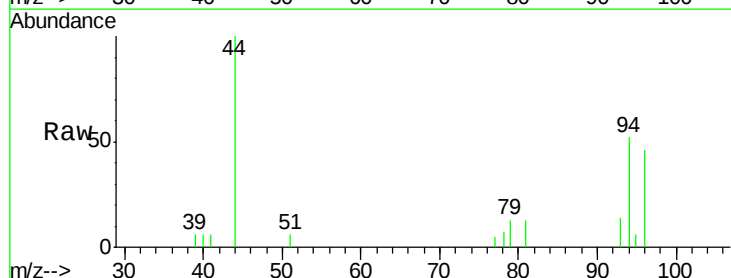
Acq: 02 Sep 2020 11:23

Tgt Ion: 94 Resp: 1339

Ion Ratio Lower Upper

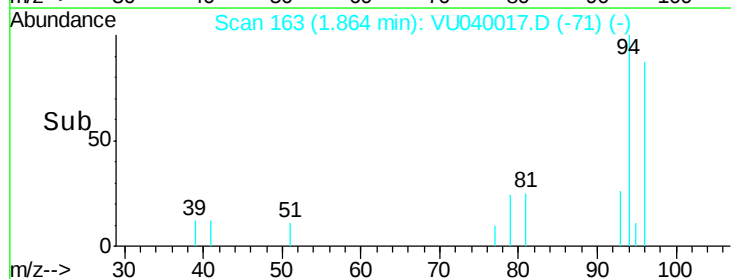
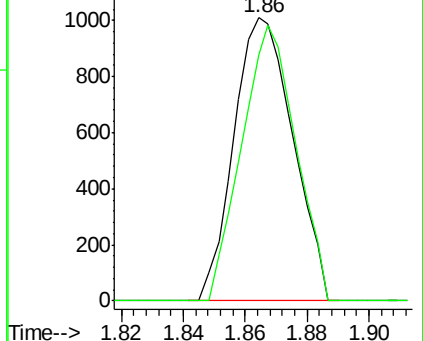
94 100

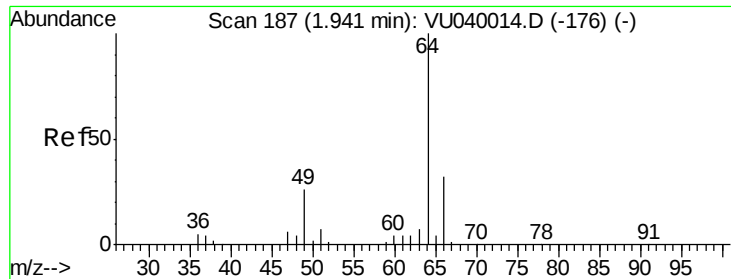
96 87.1 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.237 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 64 Resp: 1515

Ion Ratio Lower Upper

64 100

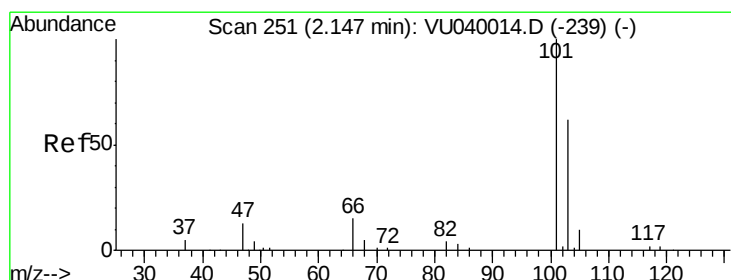
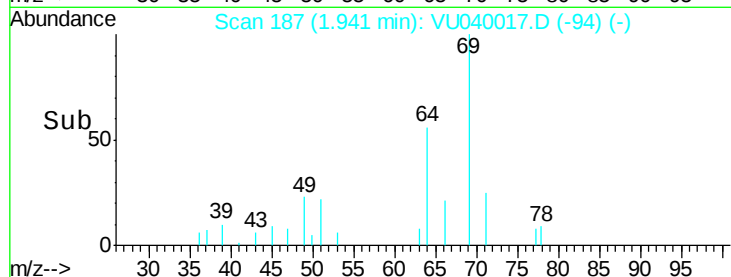
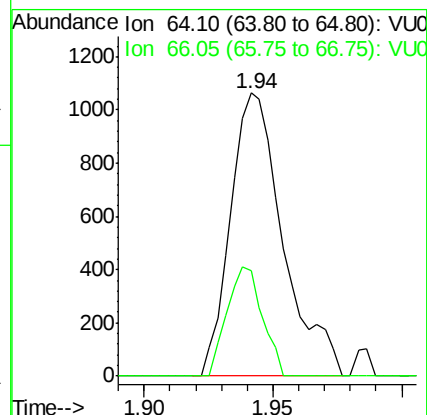
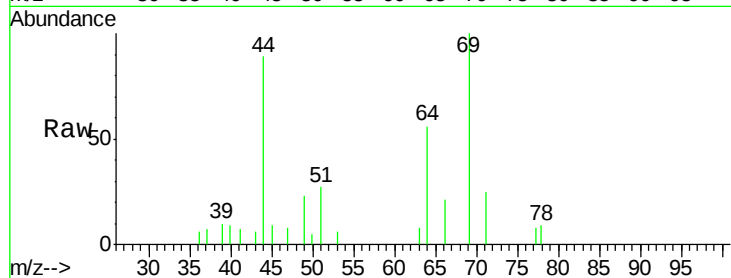
66 37.3 22.7 42.1

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 0.197 ug/L

RT: 2.15 min Scan# 252

Delta R.T. 0.00 min

Lab File: VU040017.D

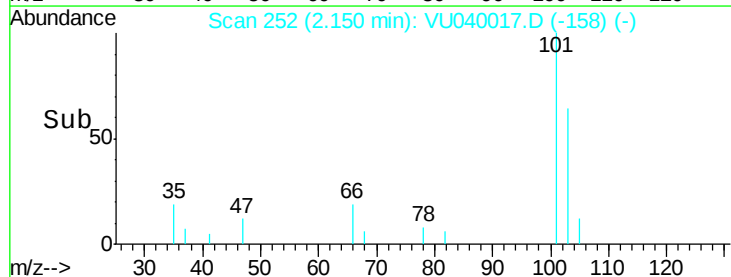
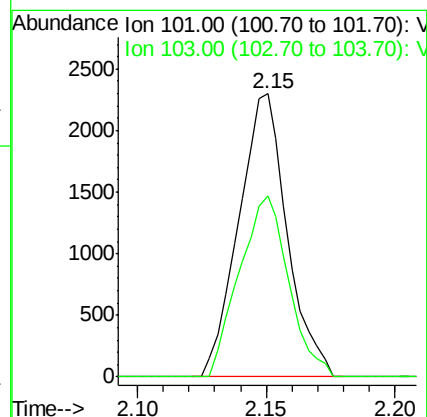
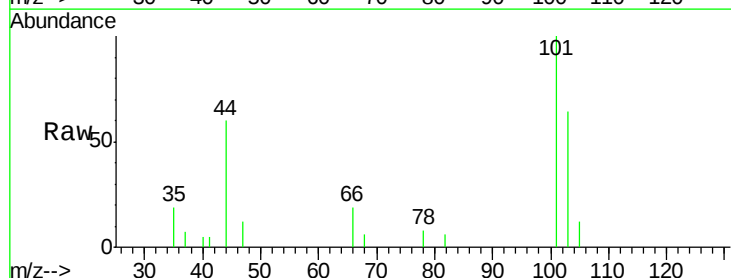
Acq: 02 Sep 2020 11:23

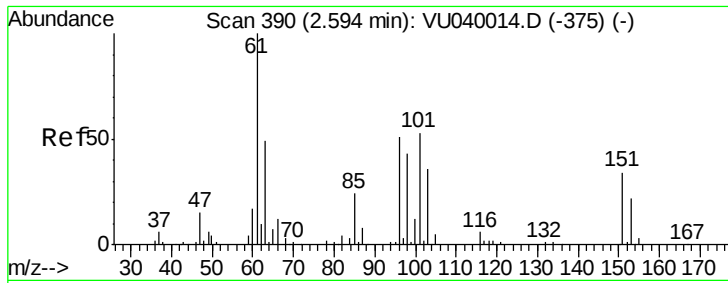
Tgt Ion: 101 Resp: 3009

Ion Ratio Lower Upper

101 100

103 65.2 51.3 76.9





#10

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

Concen: 0.231 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

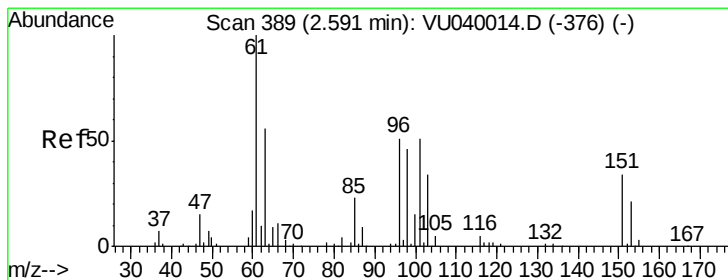
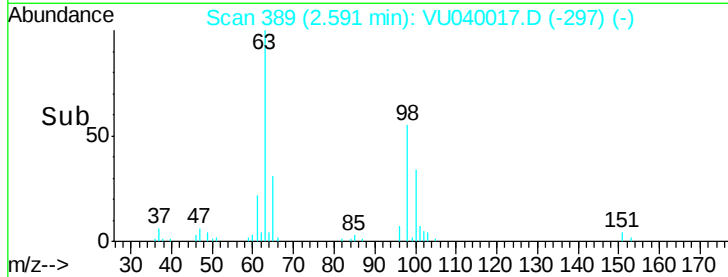
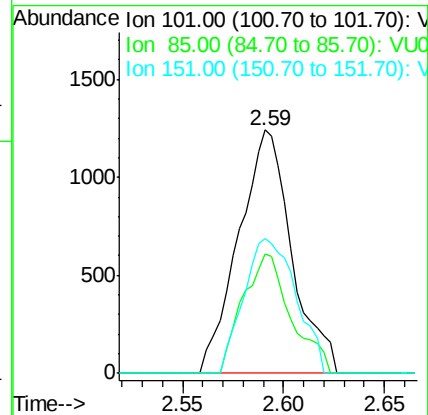
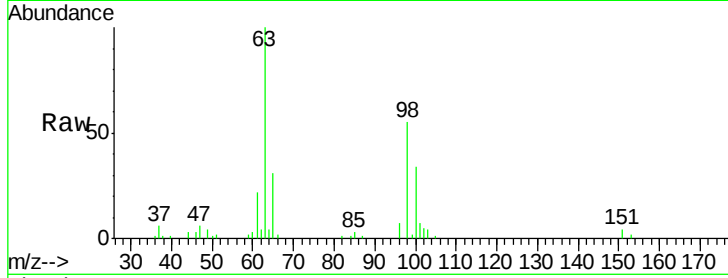
ClientSampleId :

MDL02

Tot Ion:	101	Resp:	2286
Ion Ratio	Lower	Upper	
101	100		
85	44.4	37.7	56.5
151	54.5	53.9	80.9

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#12

1,1-Dichloroethene

Concen: 0.247 ug/L

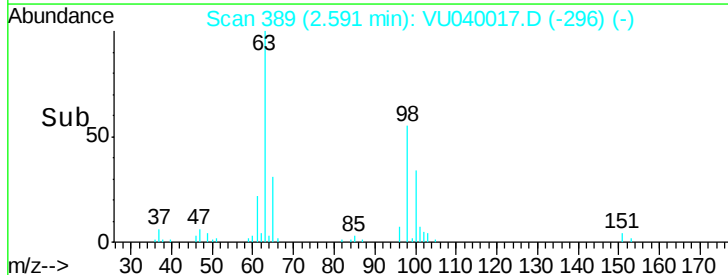
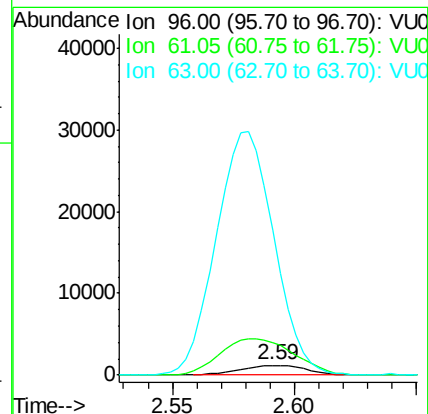
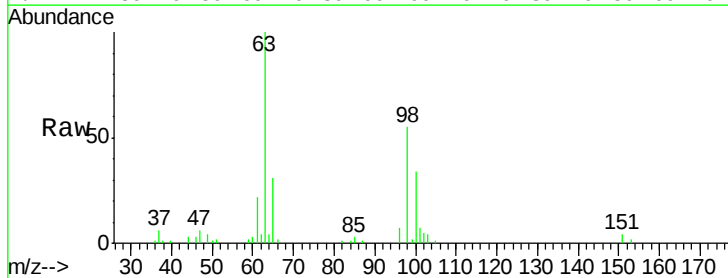
RT: 2.59 min Scan# 389

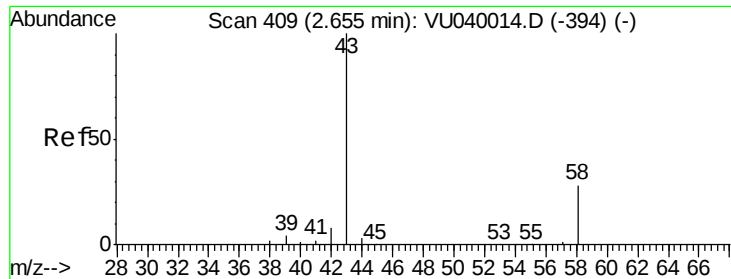
Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Tgt Ion:	96	Resp:	2110
Ion Ratio	Lower	Upper	
96	100		
61	327.4	138.3	256.8#
63	1475.2	77.6	144.2#





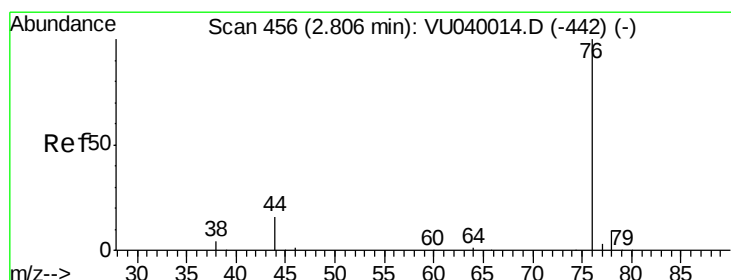
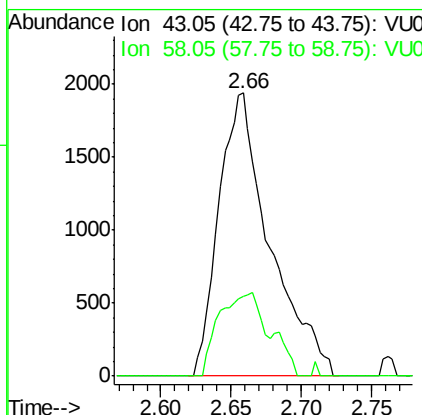
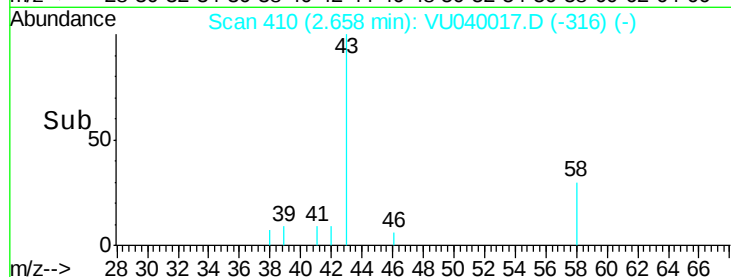
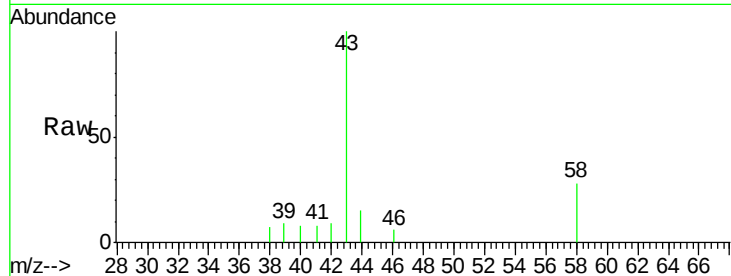
#13
Acetone
Concen: 2.184 ug/L
RT: 2.66 min Scan# 410
Delta R.T. 0.00 min
Lab File: VU040017.D
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Tot Ion	Ratio	Lower	Upper
43	100		
58	24.9	0.0	55.4

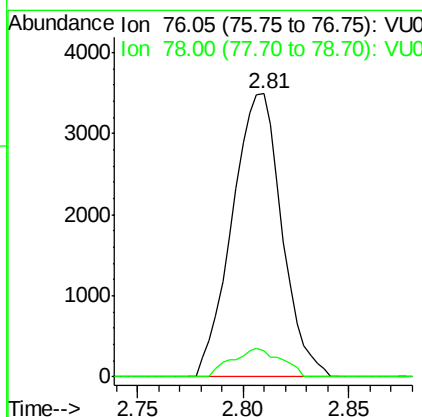
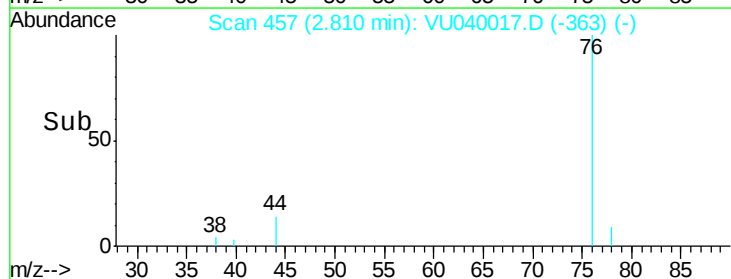
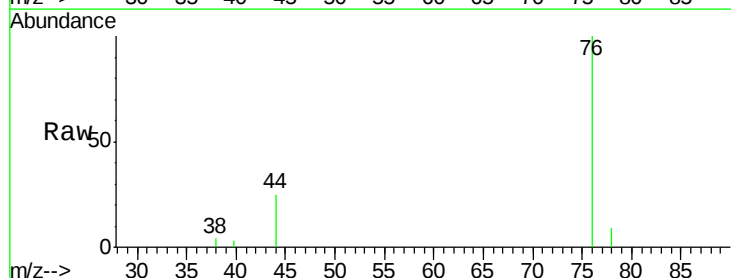
Manual Integrations
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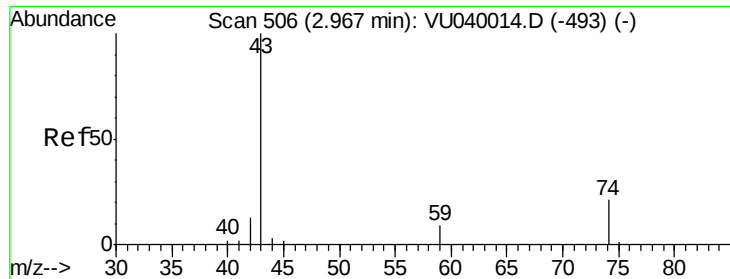
MMDadoda
9/4/2020 2:20:25 PM



#14
Carbon disulfide
Concen: 0.208 ug/L
RT: 2.81 min Scan# 457
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.2	10.8





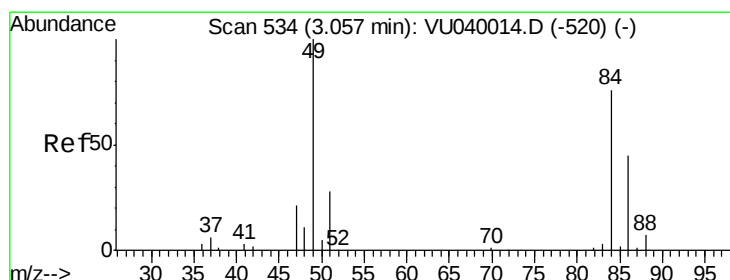
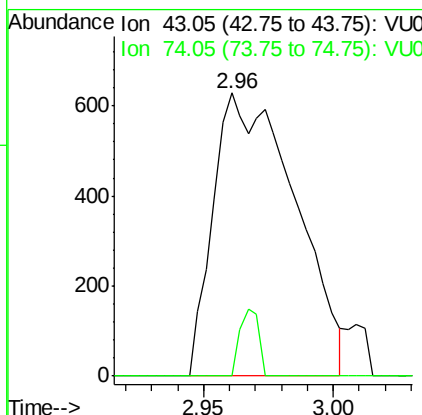
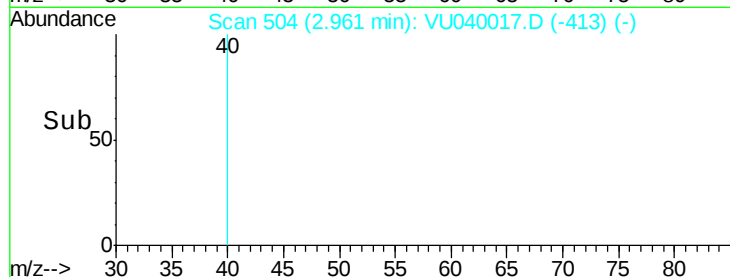
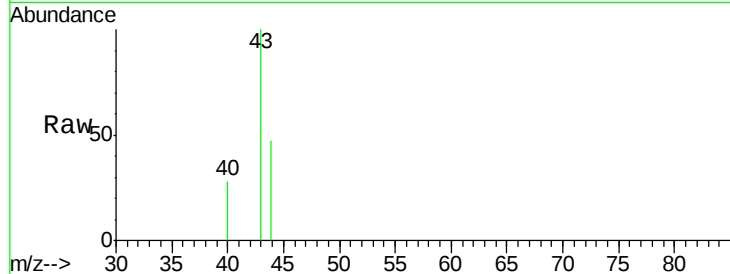
#15
Methvl Acetate
Concen: 0.245 ug/L m
RT: 2.96 min Scan# 504
Delta R.T. -0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 43 Resp: 1374
Ion Ratio Lower Upper
43 100
74 5.5 17.4 26.0#

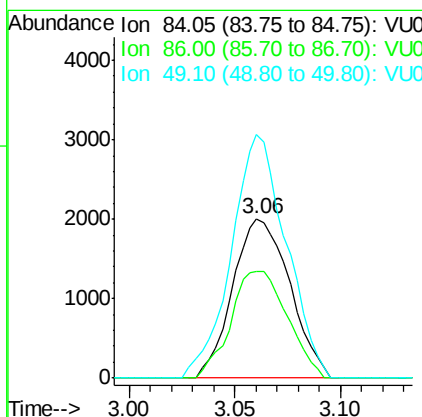
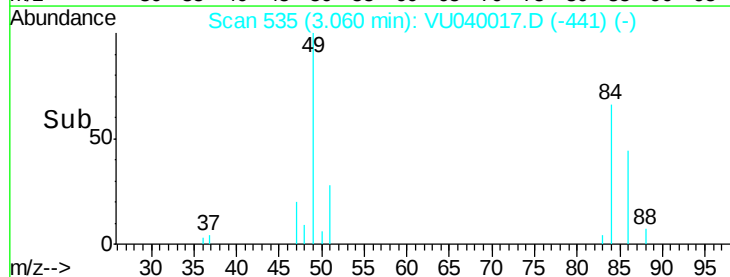
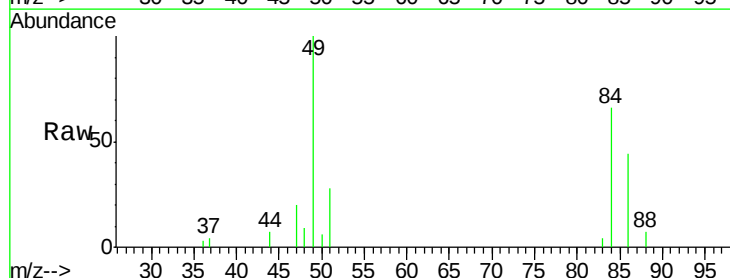
Manual Integrations
APPROVED

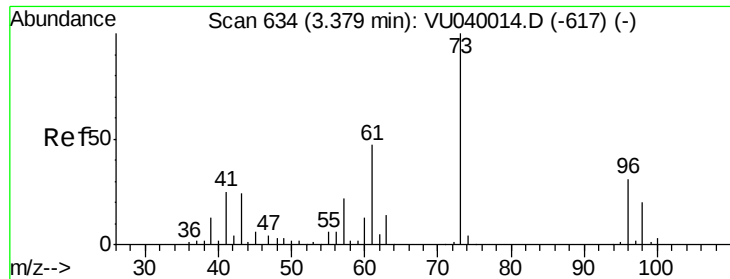
MMDadoda
9/4/2020 2:20:25 PM



#16
Methylene chloride
Concen: 0.336 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 84 Resp: 3761
Ion Ratio Lower Upper
84 100
86 66.7 45.2 84.0
49 152.6 104.0 193.2





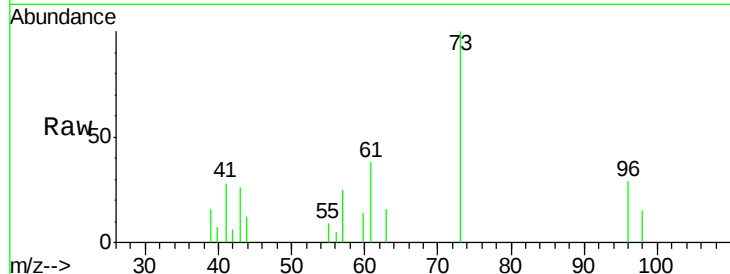
#17
Methvl tert-butvl Ether
Concen: 0.194 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

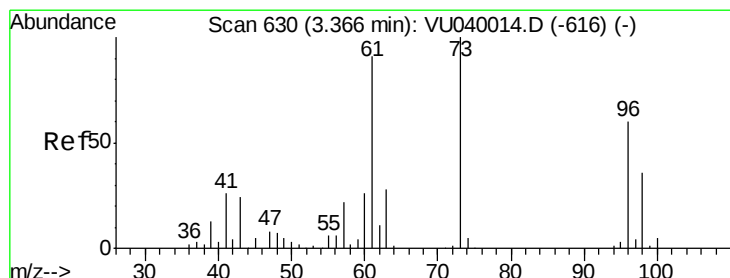
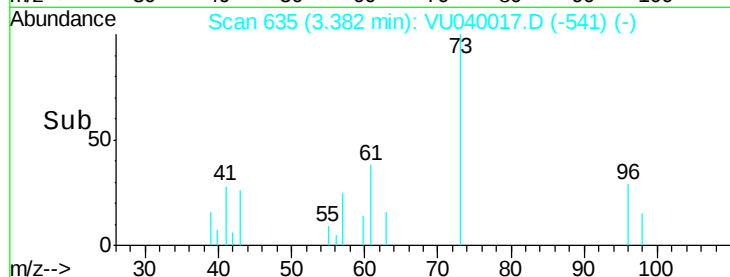
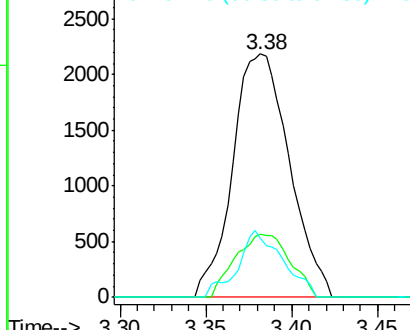
Tot Ion	Ratio	Lower	Upper
73	100		
43	24.9	19.1	28.7
57	21.7	18.3	27.5

Manual Integrations
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9/4/2020 2:20:25 PM

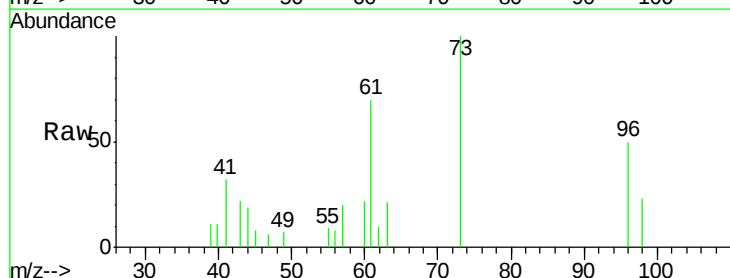


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

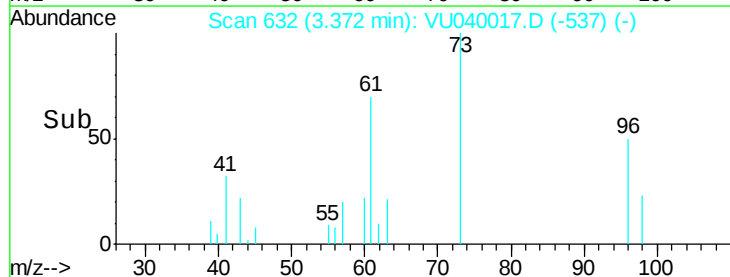
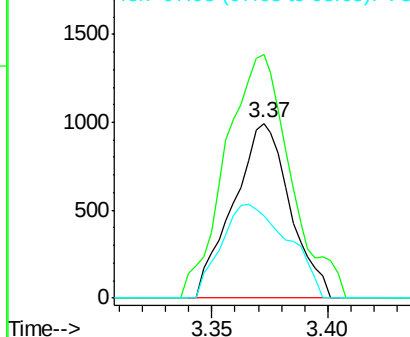


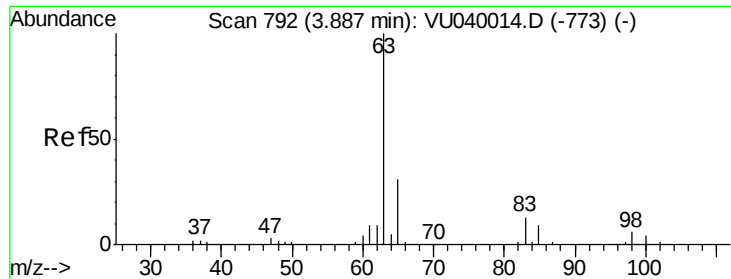
#18
trans-1,2-Dichloroethene
Concen: 0.184 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.3	110.5	205.3
98	46.7	43.2	80.2



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





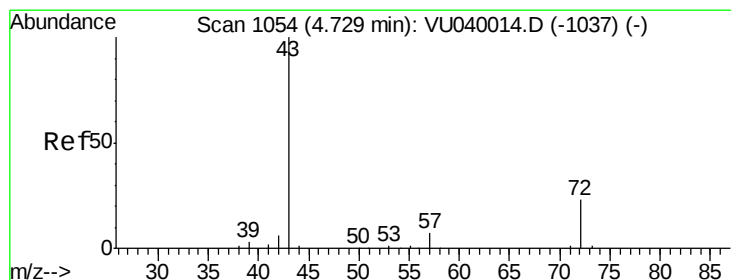
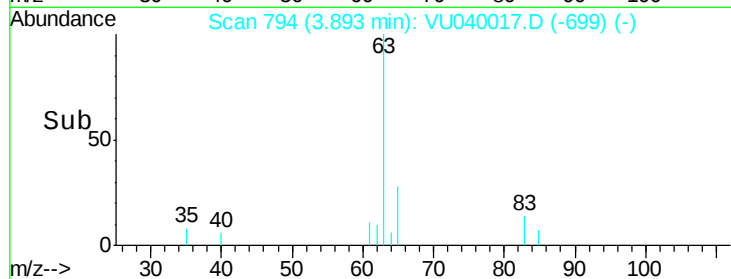
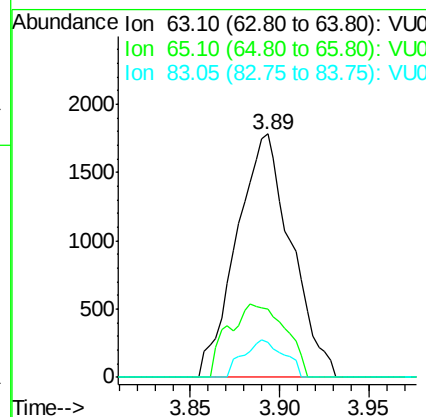
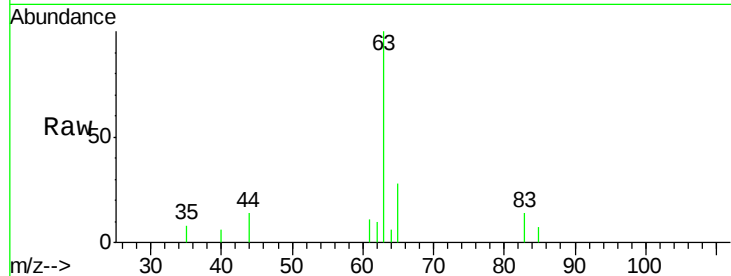
#19
 1,1-Dichloroethane
 Concen: 0.200 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	63	Resp:	3793
Ion	Ratio	Lower	Upper
63	100		
65	27.8	22.2	41.2
83	14.2	9.4	17.6

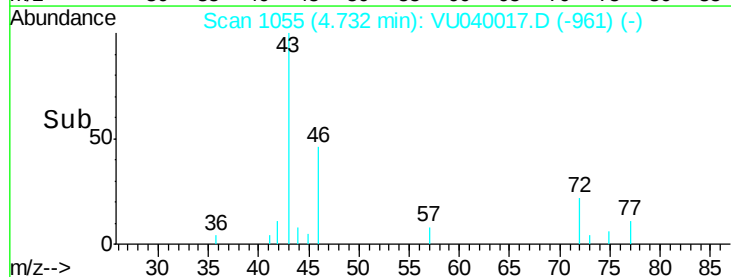
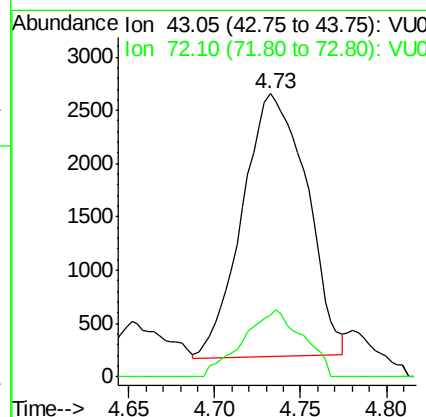
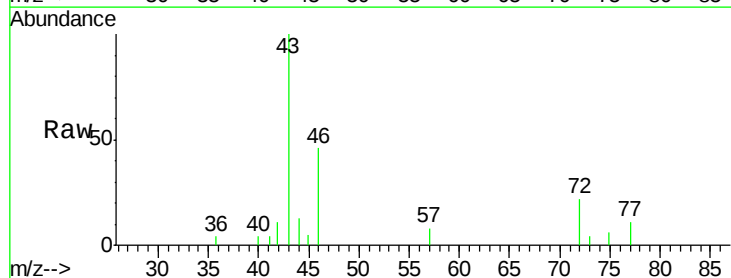
Manual Integrations
 APPROVED

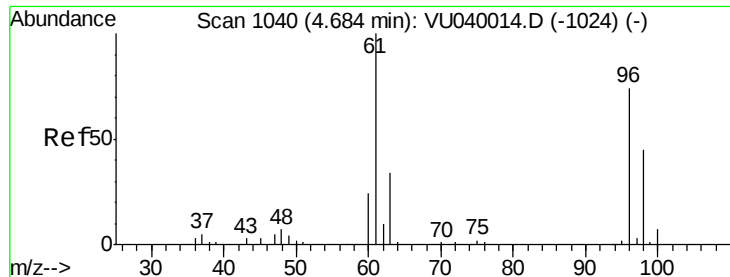
MMDadoda
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#21
 2-Butanone
 Concen: 1.755 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	43	Resp:	6405
Ion	Ratio	Lower	Upper
43	100		
72	23.8	11.7	35.0





#22

cis-1,2-Dichloroethene

Concen: 0.204 ug/L

RT: 4.69 min Scan# 1042

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

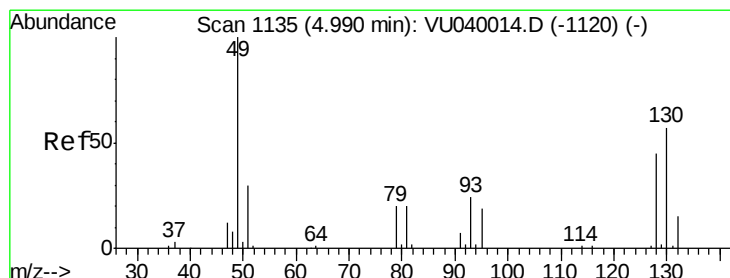
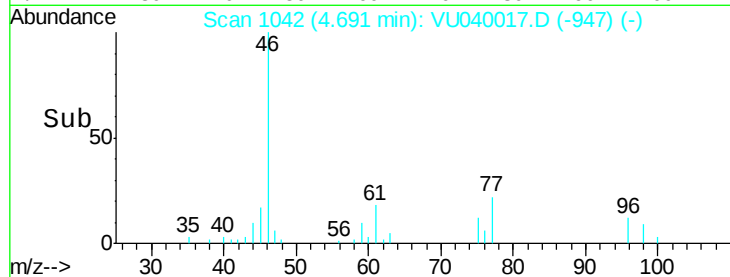
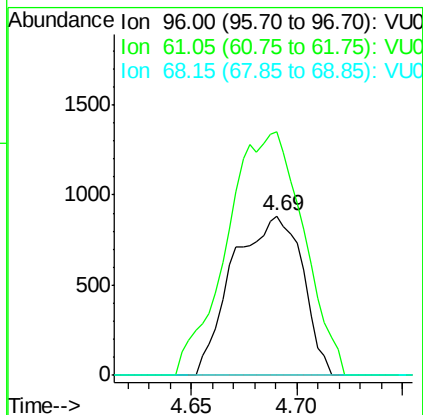
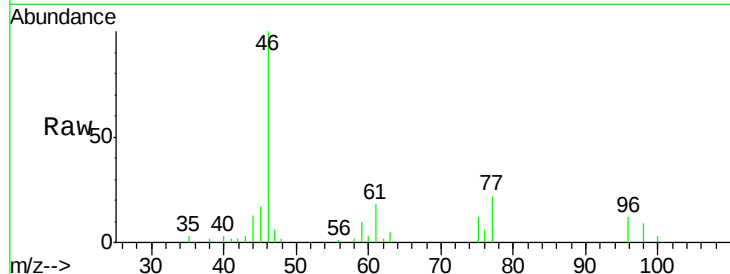
ClientSampleId :

MDL02

Tot Ion:	96	Resp:	2020
Ion	Ratio	Lower	Upper
96	100		
61	153.0	98.8	183.4
68	0.0	0.0	0.0

Manual Integrations
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#23

Bromochloromethane

Concen: 0.192 ug/L

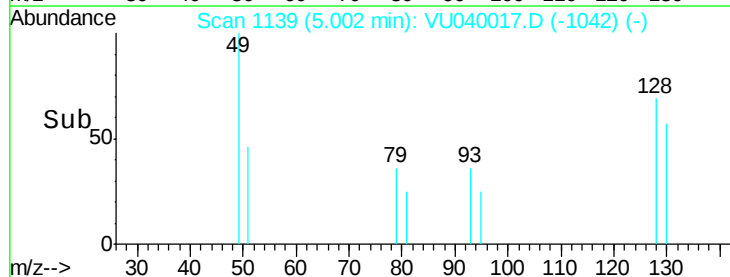
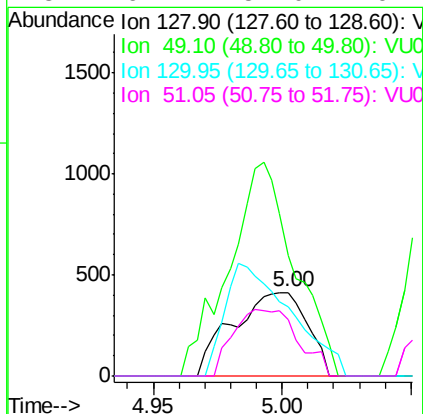
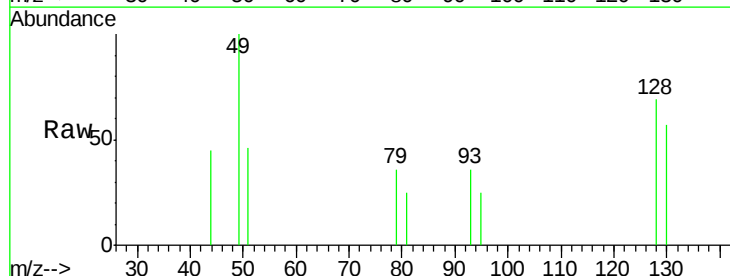
RT: 5.00 min Scan# 1139

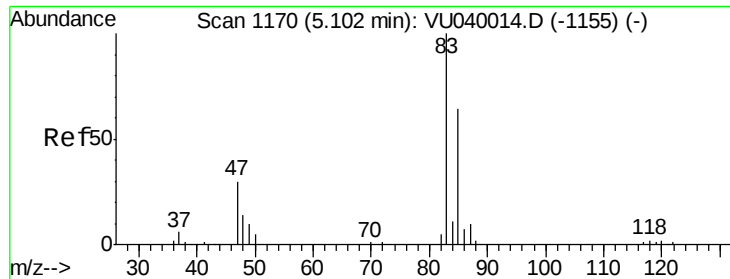
Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Tgt Ion:	128	Resp:	833
Ion	Ratio	Lower	Upper
128	100		
49	144.6	143.4	266.4
130	83.1	89.5	166.3
51	67.1	51.0	76.4





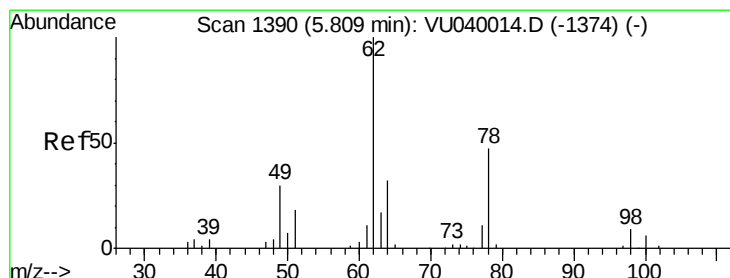
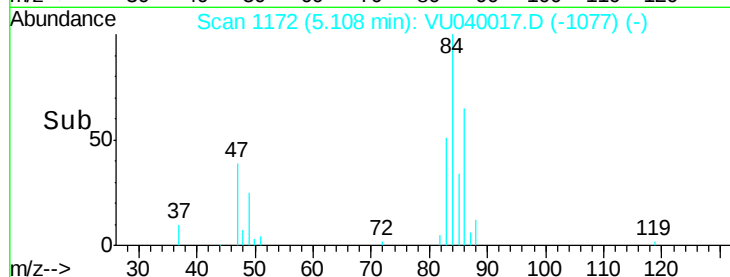
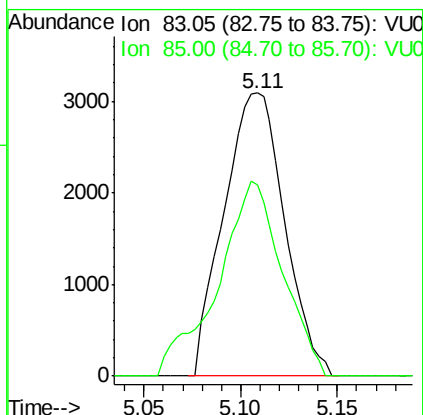
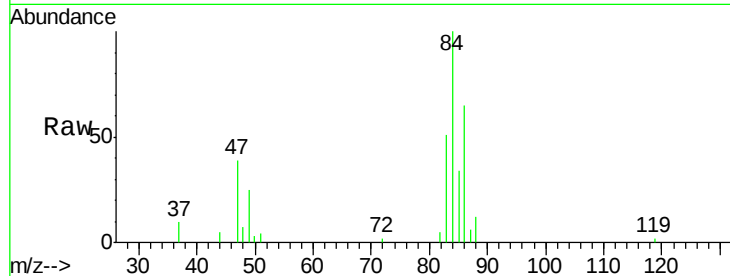
#25
Chloroform
Concen: 0.348 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	83	Resp	6749
Ion Ratio	100	Lower	Upper
85	67.6	45.3	84.1

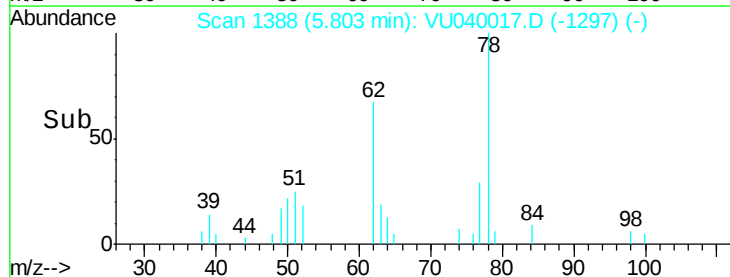
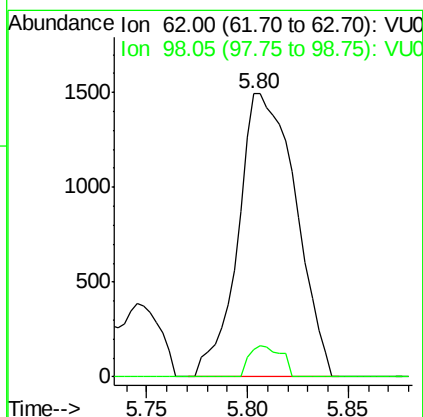
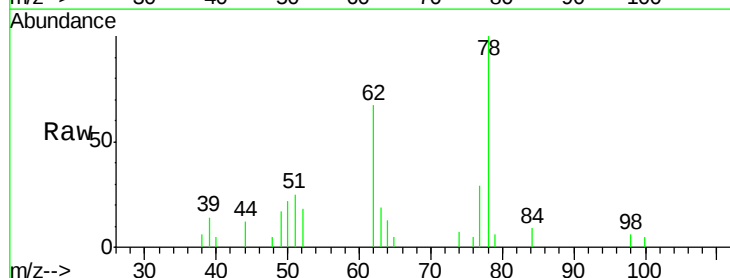
Manual Integrations
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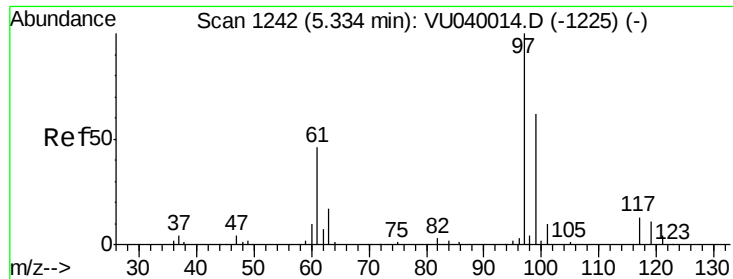
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.209 ug/L
RT: 5.80 min Scan# 1388
Delta R.T. -0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	62	Resp	2977
Ion Ratio	100	Lower	Upper
98	9.6	6.1	9.1#





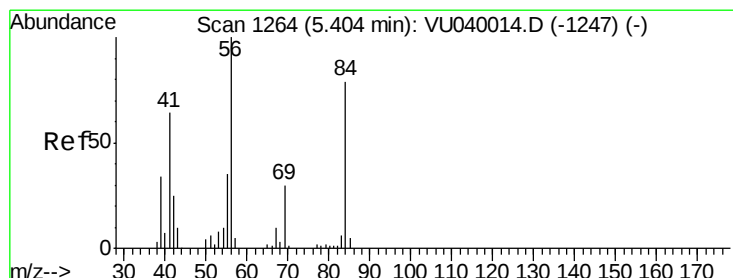
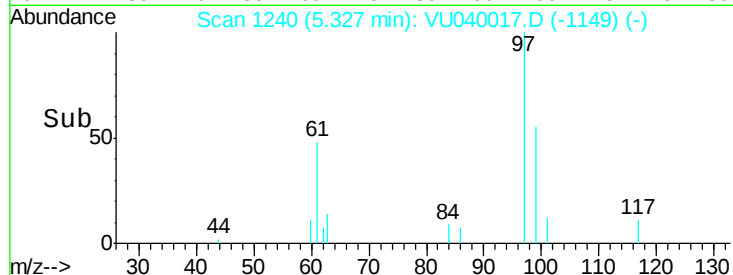
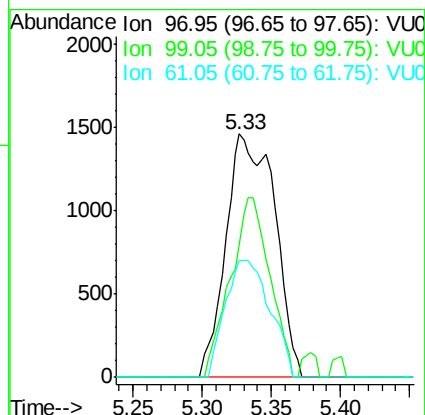
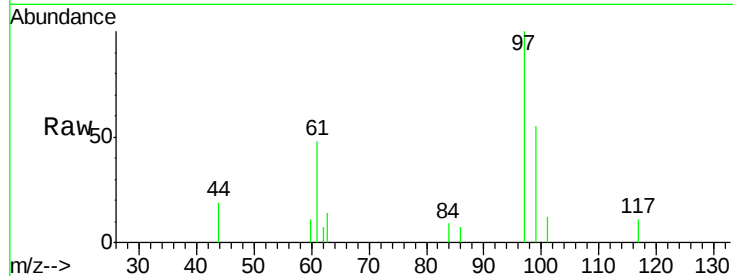
#29
 1,1,1-Trichloroethane
 Concen: 0.204 ug/L m
 RT: 5.33 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion:	97	Resp:	3579
Ion	Ratio	Lower	Upper
97	100		
99	59.8	50.9	76.3
61	44.3	39.5	59.3

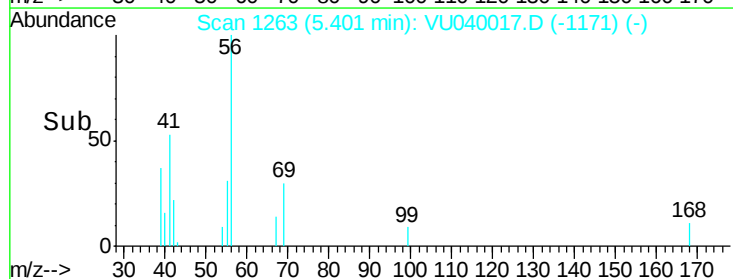
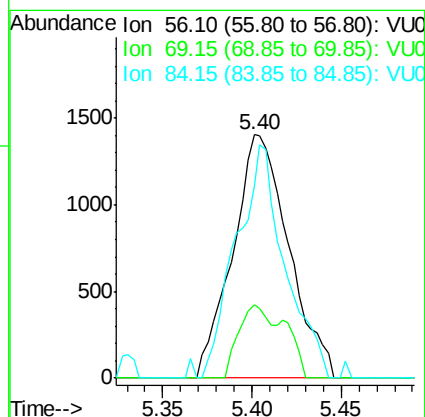
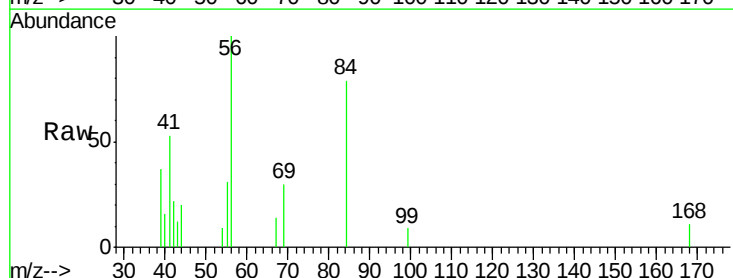
Manual Integrations
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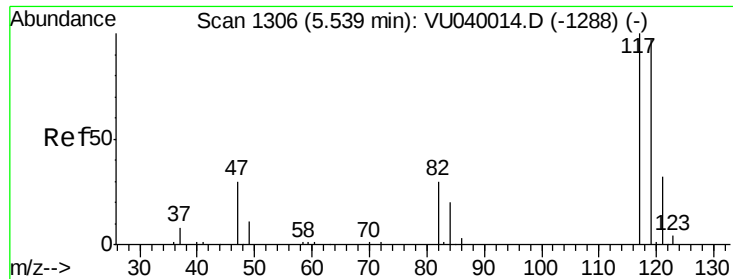
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#30
 Cyclohexane
 Concen: 0.180 ug/L
 RT: 5.40 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	56	Resp:	3064
Ion	Ratio	Lower	Upper
56	100		
69	24.9	24.1	36.1
84	83.6	65.0	97.4





#31

Carbon tetrachloride

Concen: 0.187 ug/L m

RT: 5.54 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampled :

MDL02

Tot Ion:117 Resp: 2802

Ion Ratio Lower Upper

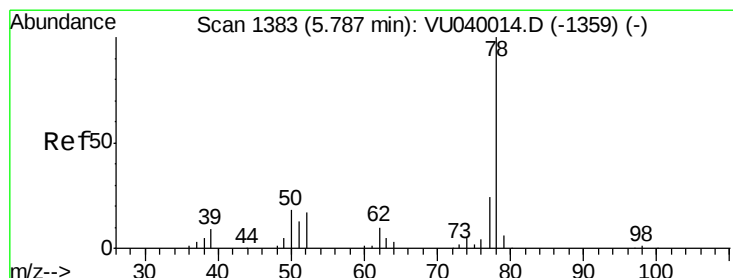
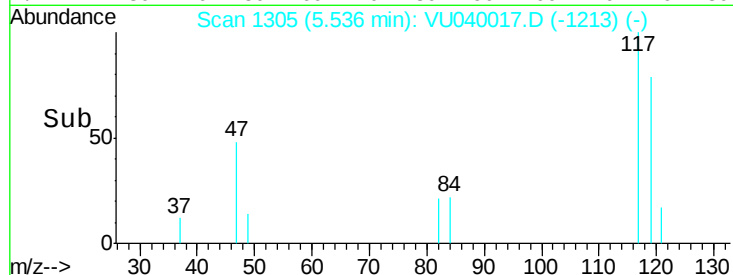
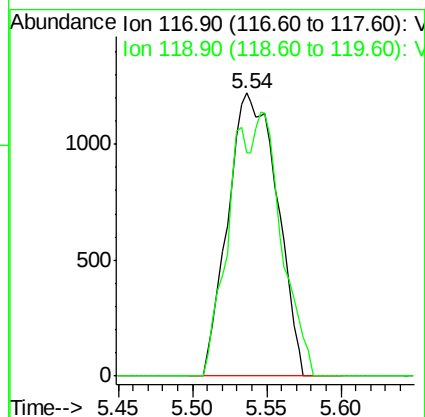
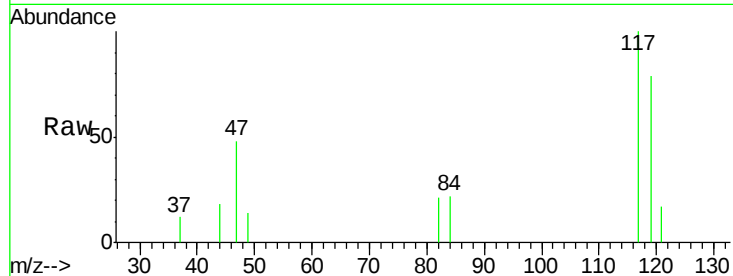
117 100

119 8.1 77.7 116.5#

Manual Integrations
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#33

Benzene

Concen: 0.194 ug/L

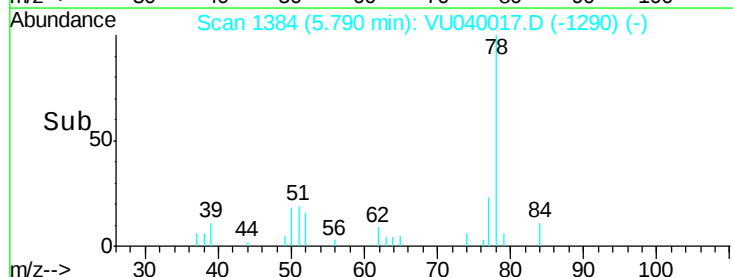
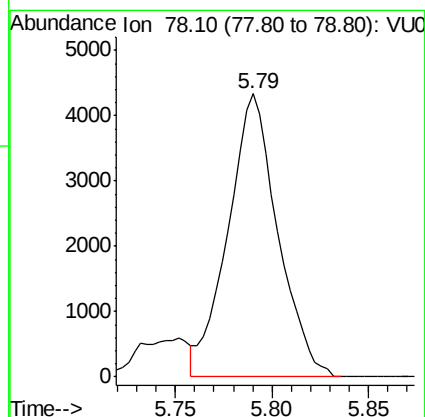
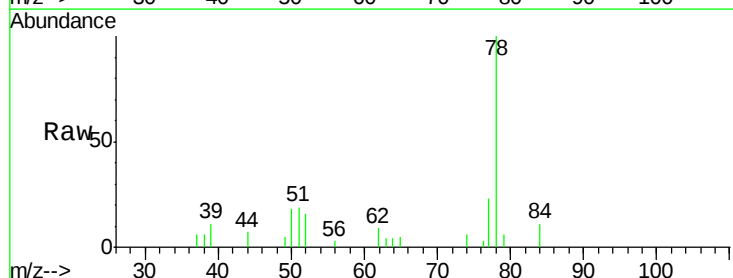
RT: 5.79 min Scan# 1384

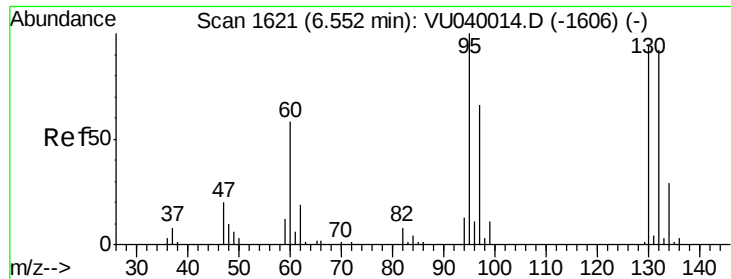
Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Tgt Ion: 78 Resp: 7736





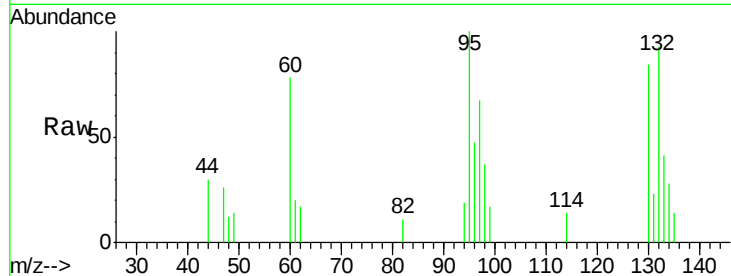
#34
 Trichloroethene
 Concen: 0.167 ug/L
 RT: 6.55 min Scan# 1620
 Delta R.T. -0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	95	Resp:	1786
Ion	Ratio	Lower	Upper
95	100		
97	66.7	43.3	80.5
132	93.0	59.4	110.4
130	83.7	64.8	120.4

Manual Integrations
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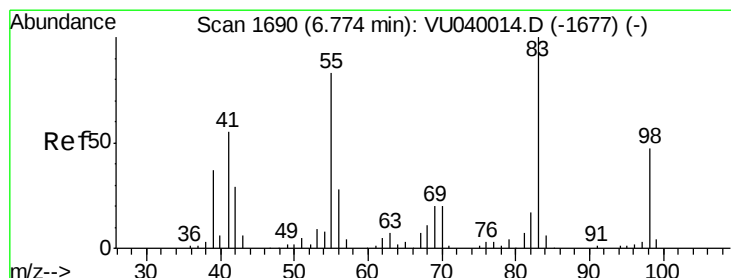
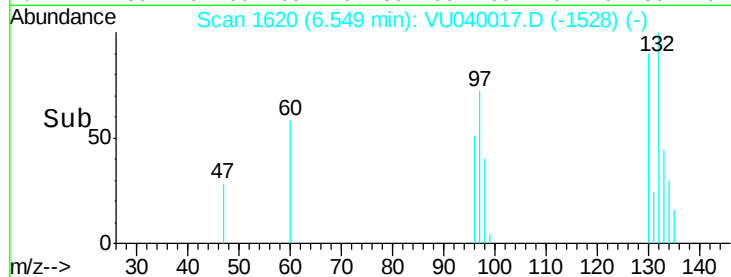
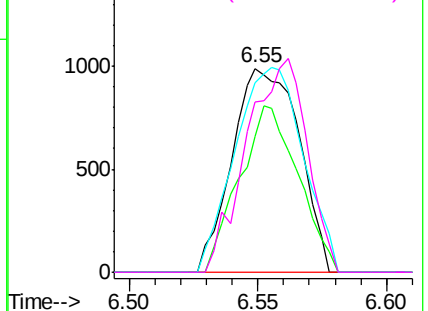


Abundance Ion 95.00 (94.70 to 95.70): VU040017.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040017.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040017.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040017.D (-1528) (-)



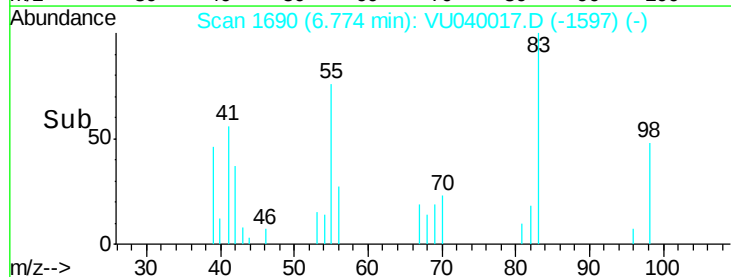
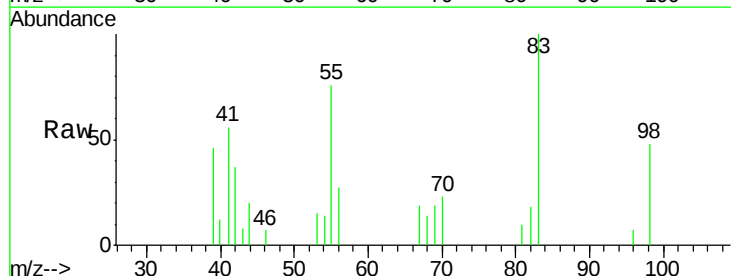
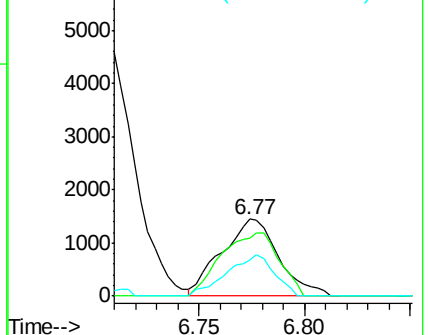
#35
 Methylcyclohexane
 Concen: 0.166 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

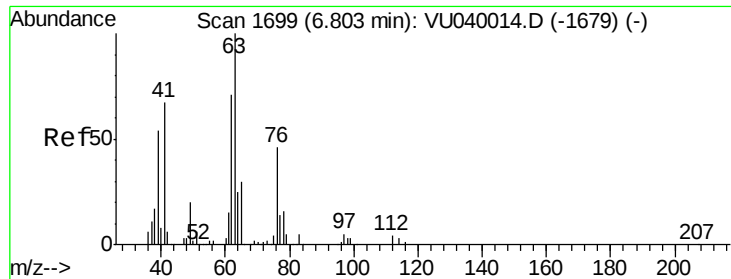
Tgt Ion:	83	Resp:	2729
Ion	Ratio	Lower	Upper
83	100		
55	83.0	70.5	105.7
98	44.2	37.8	56.6

Abundance Ion 83.15 (82.85 to 83.85): VU040017.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040017.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040017.D (-1597) (-)





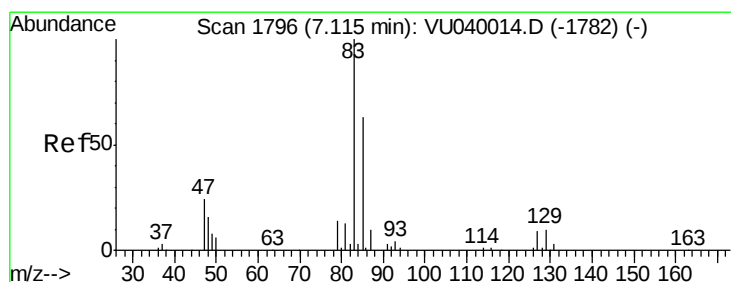
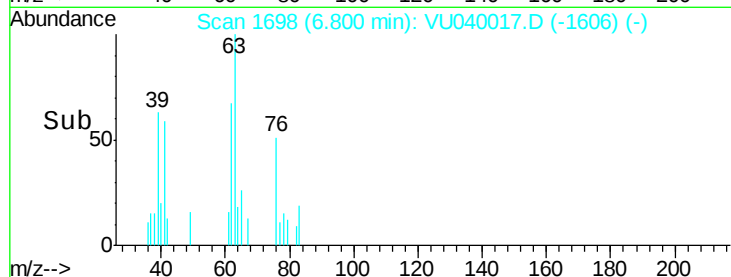
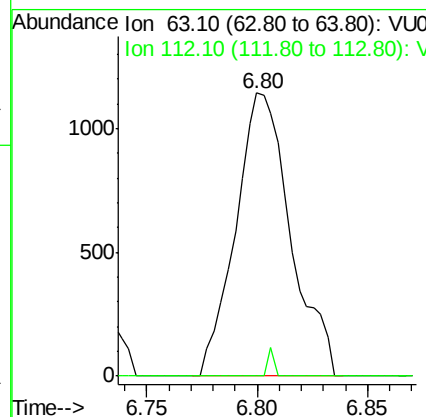
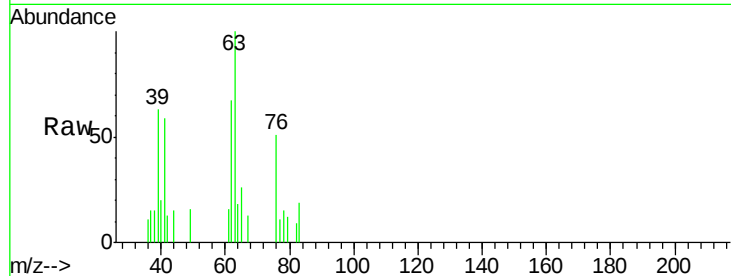
#37
 1,2-Dichloropropane
 Concen: 0.183 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion: 63 Resp: 1977
 Ion Ratio Lower Upper
 63 100
 112 1.1 3.2 4.8#

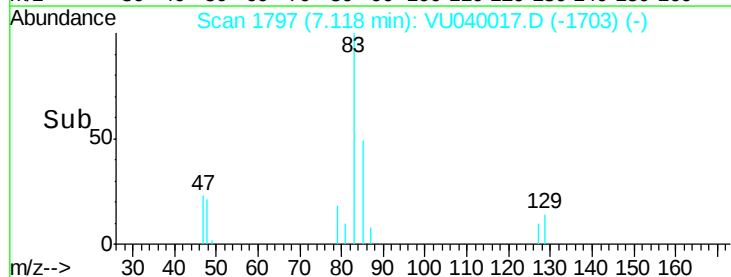
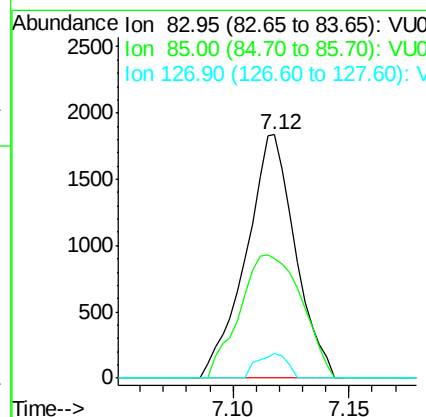
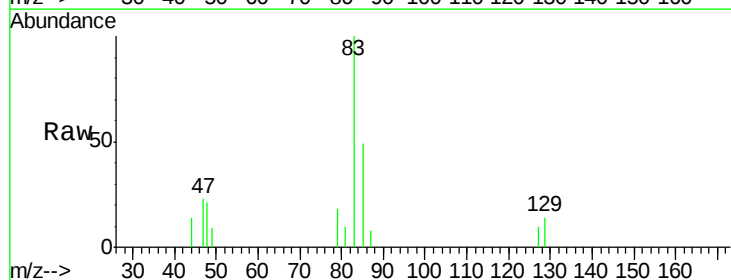
Manual Integrations
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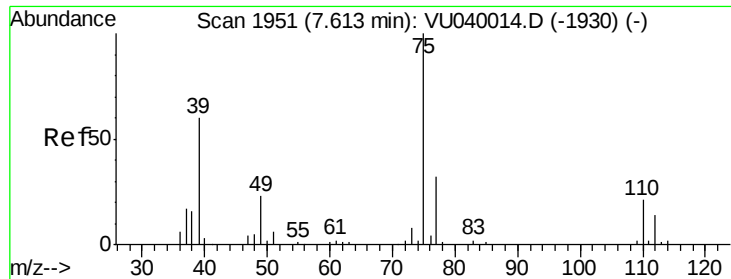
MMDadoda
 9/4/2020 2:20:25 PM



#38
 Bromodichloromethane
 Concen: 0.184 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 83 Resp: 2716
 Ion Ratio Lower Upper
 83 100
 85 48.9 45.1 83.9
 127 10.0 6.7 10.1





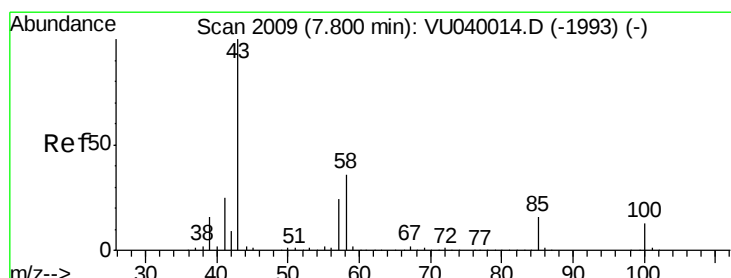
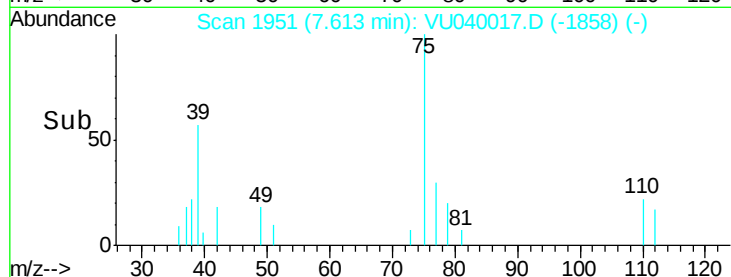
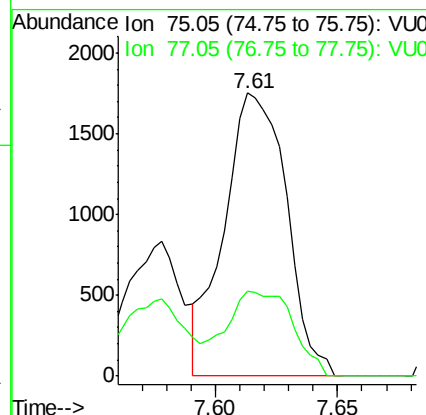
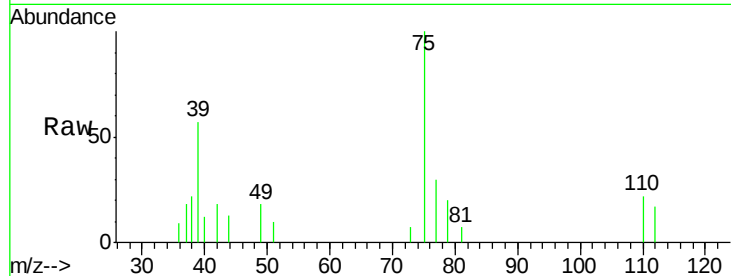
#39
 cis-1,3-Dichloropropene
 Concen: 0.195 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 3107
 Ion Ratio Lower Upper
 75 100
 77 29.9 21.1 39.3

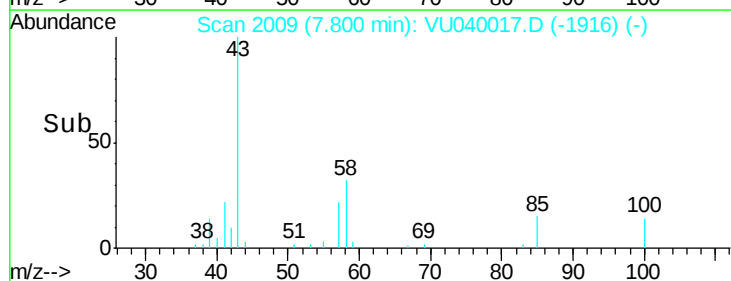
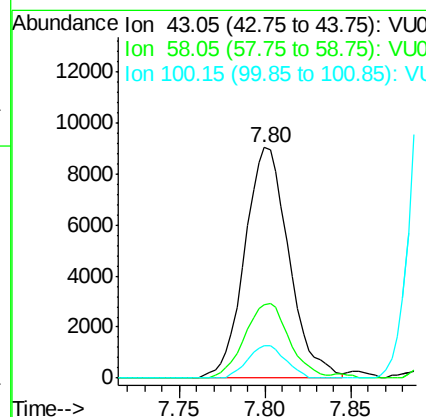
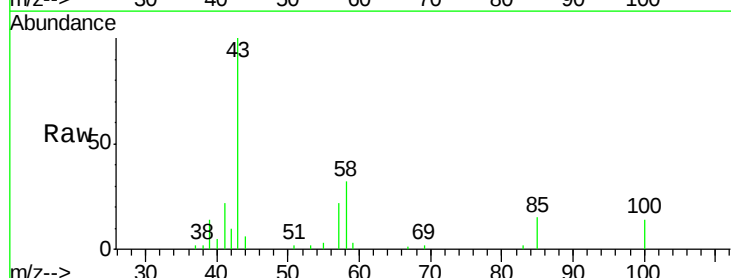
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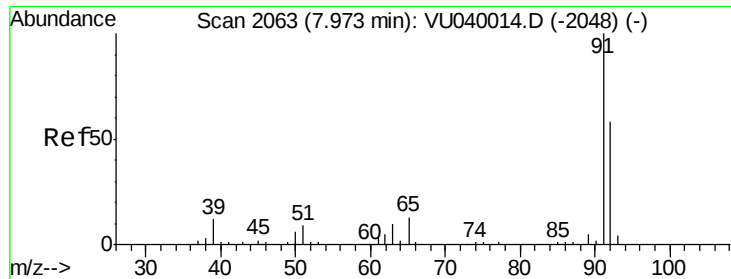
MMDadoda
 9/4/2020 2:20:25 PM



#40
 4-Methyl-2-pentanone
 Concen: 1.815 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 43 Resp: 16117
 Ion Ratio Lower Upper
 43 100
 58 32.4 28.7 43.1
 100 0.0 10.2 15.2#





#42

Toluene

Concen: 0.192 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion: 91 Resp: 7909

Ion Ratio Lower Upper

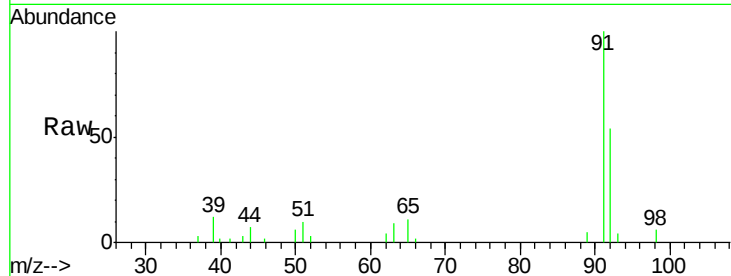
91 100

92 53.6 40.7 75.5

Manual Integrations
APPROVED

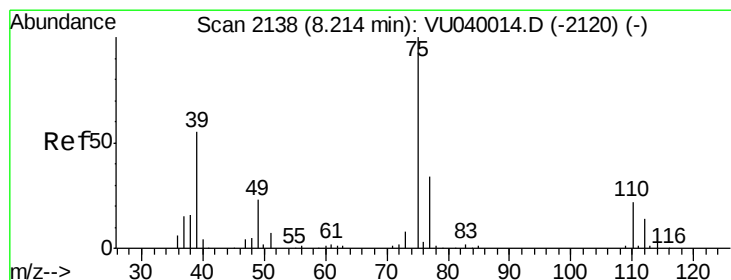
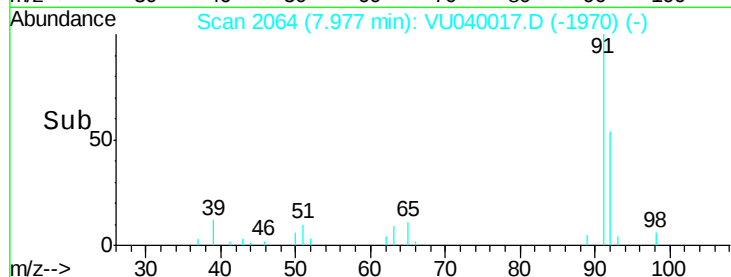
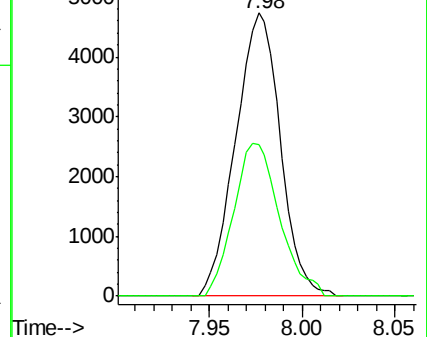
MMDadoda

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Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.209 ug/L m

RT: 8.21 min Scan# 2138

Delta R.T. 0.00 min

Lab File: VU040017.D

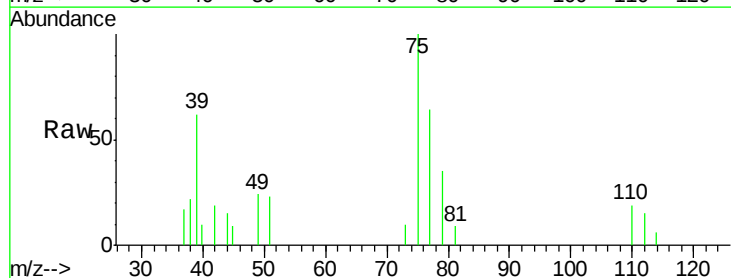
Acq: 02 Sep 2020 11:23

Tgt Ion: 75 Resp: 3095

Ion Ratio Lower Upper

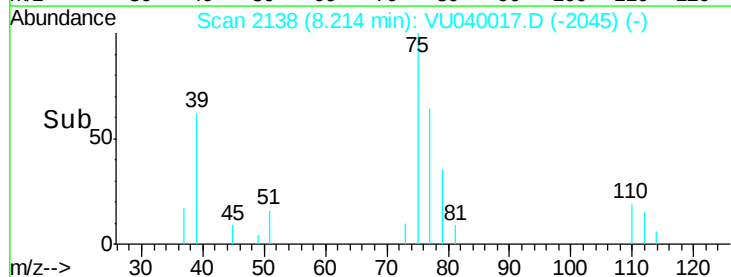
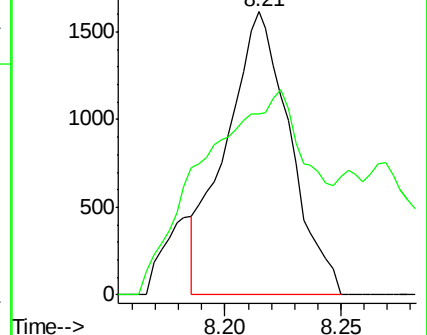
75 100

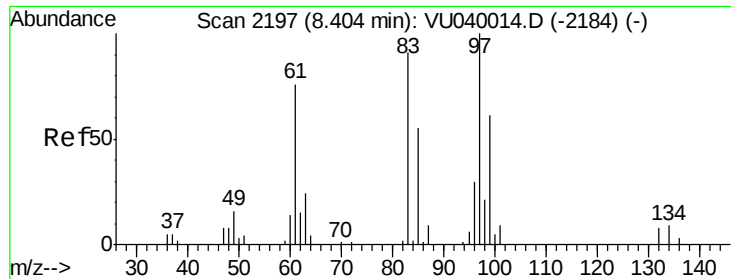
77 63.8 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





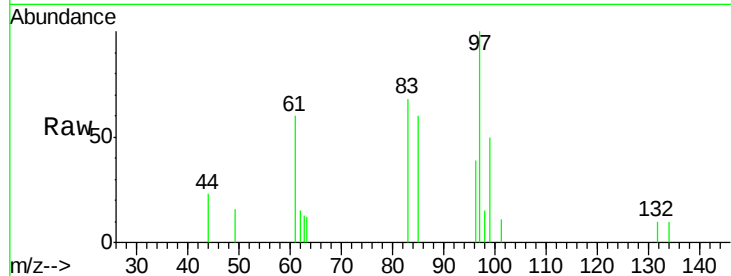
#45
 1,1,2-Trichloroethane
 Concen: 0.189 ug/L
 RT: 8.41 min Scan# 2198
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion:	97	Resp:	1492
Ion	Ratio	Lower	Upper
97	100		
99	50.0	43.0	79.8
83	68.0	61.7	114.7
85	59.5	39.3	73.1

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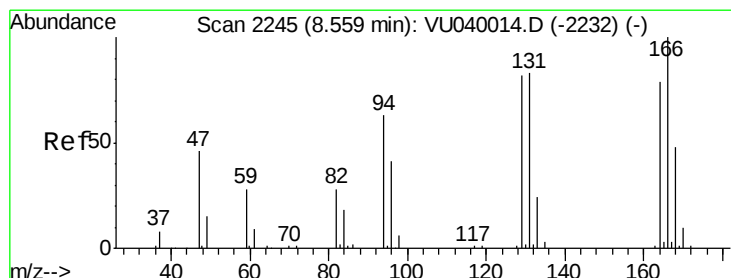
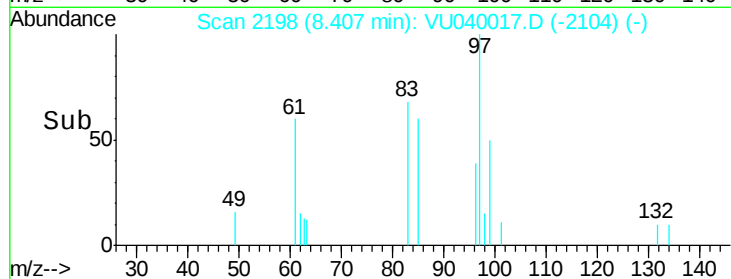
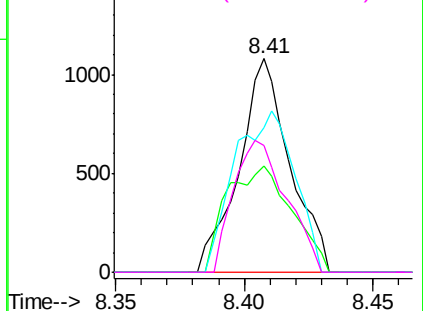
Abundance

Ion 96.95 (96.65 to 97.65): VU040017.D (-2104) (-)

Ion 99.05 (98.75 to 99.75): VU040017.D (-2104) (-)

Ion 82.95 (82.65 to 83.65): VU040017.D (-2104) (-)

Ion 85.00 (84.70 to 85.70): VU040017.D (-2104) (-)



#47
 Tetrachloroethene
 Concen: 0.181 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	164	Resp:	1277
Ion	Ratio	Lower	Upper
164	100		
129	108.8	71.5	132.7
131	113.3	65.9	122.5
166	138.5	87.3	162.1

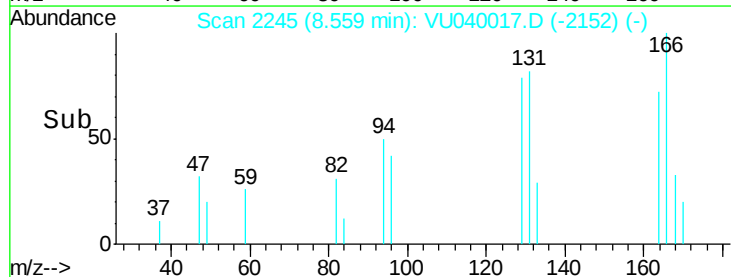
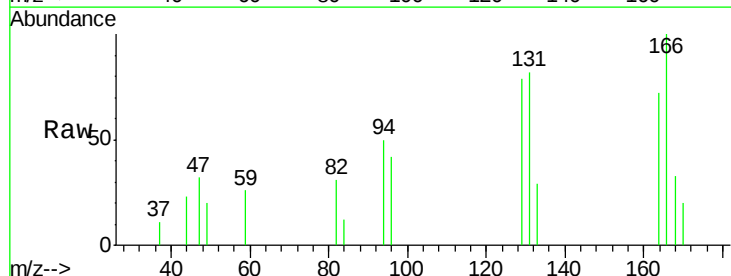
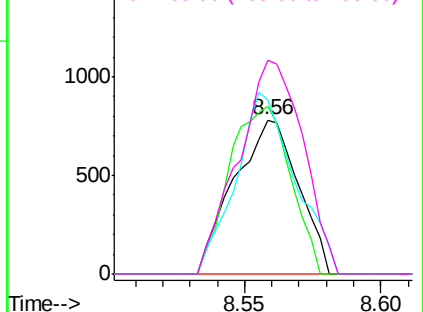
Abundance

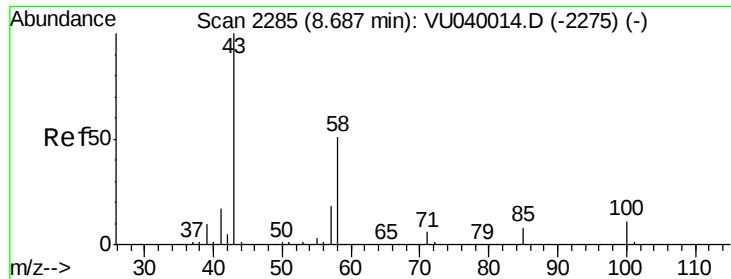
Ion 163.90 (163.60 to 164.60): VU040017.D (-2152) (-)

Ion 128.95 (128.65 to 129.65): VU040017.D (-2152) (-)

Ion 130.95 (130.65 to 131.65): VU040017.D (-2152) (-)

Ion 165.90 (165.60 to 166.60): VU040017.D (-2152) (-)





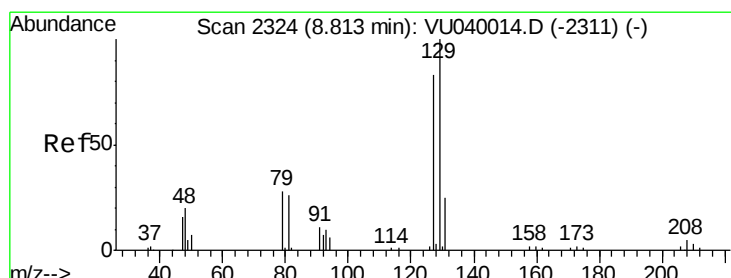
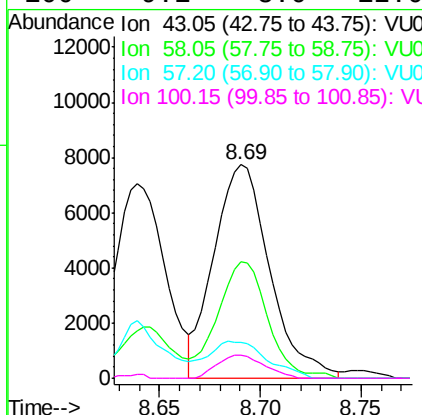
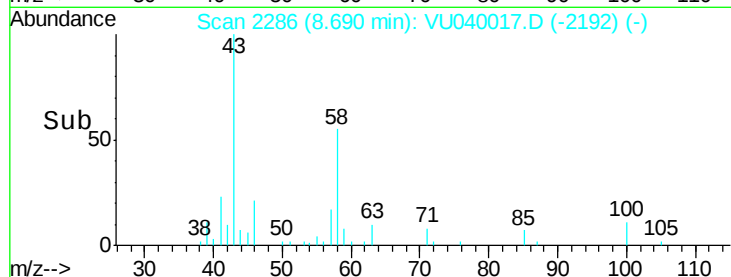
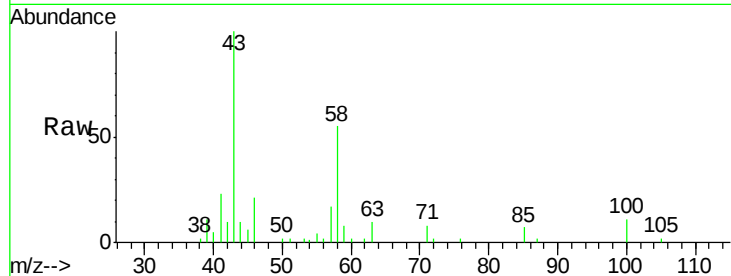
#48
2-Hexanone
Concen: 2.308 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion:	43	Resp:	14949
Ion	Ratio	Lower	Upper
43	100		
58	49.0	39.6	59.4
57	18.4	14.3	21.5
100	9.1	8.0	12.0

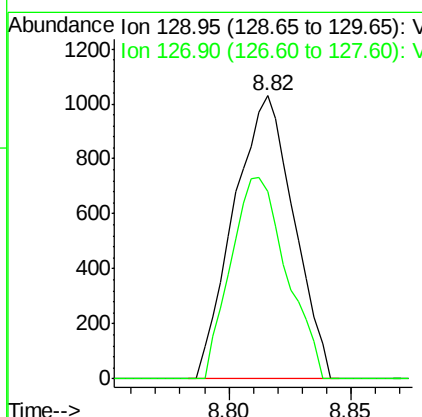
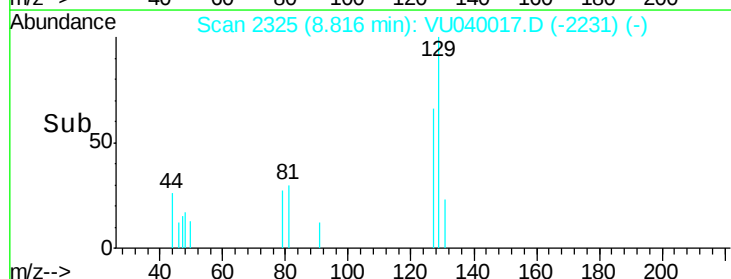
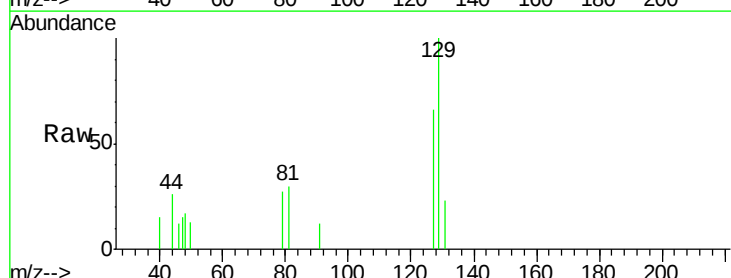
Manual Integrations
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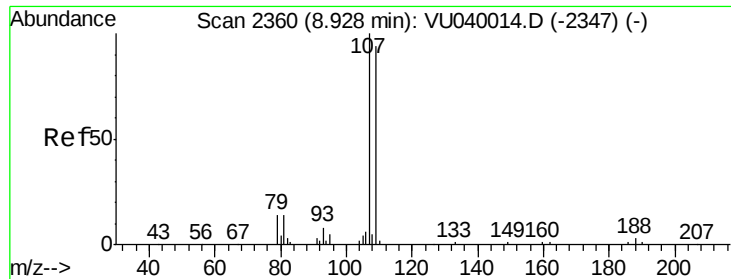
MMDadoda
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#49
Dibromochloromethane
Concen: 0.185 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion:	129	Resp:	1753
Ion	Ratio	Lower	Upper
129	100		
127	66.0	53.7	99.7





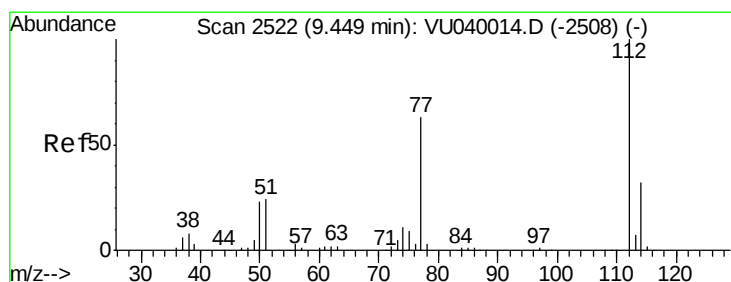
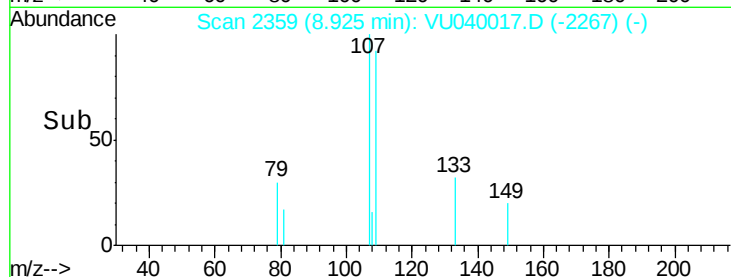
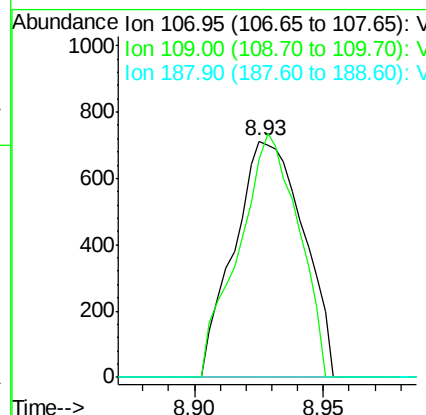
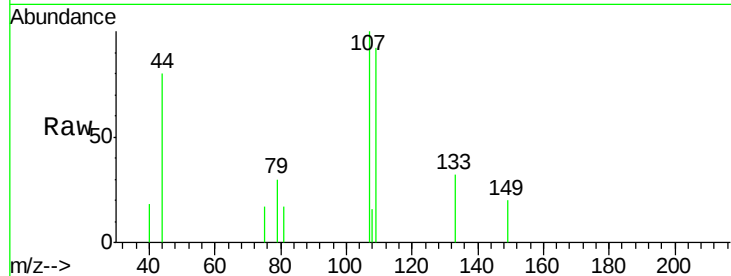
#50
1,2-Dibromoethane
Concen: 0.175 ug/L
RT: 8.93 min Scan# 2359
Delta R.T. -0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	62.4	115.8
188	0.0	2.3	3.5#

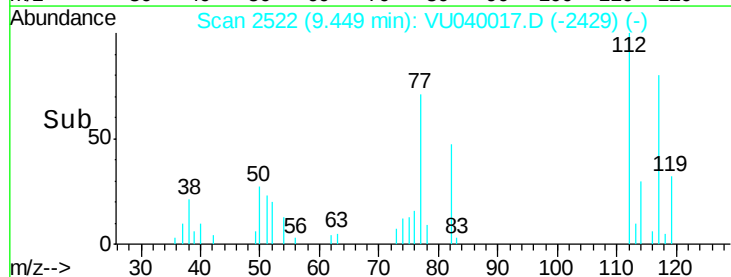
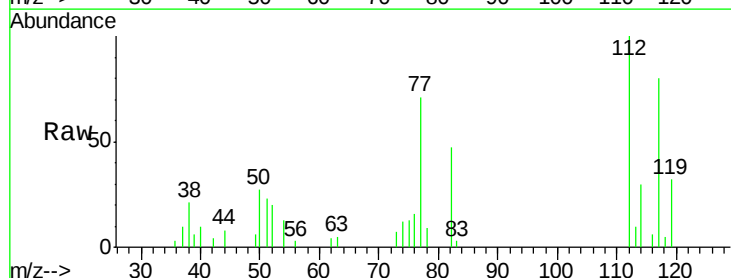
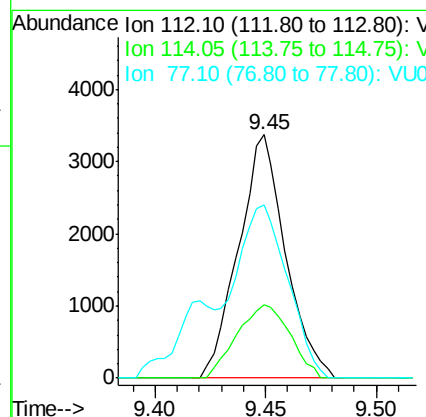
Manual Integrations
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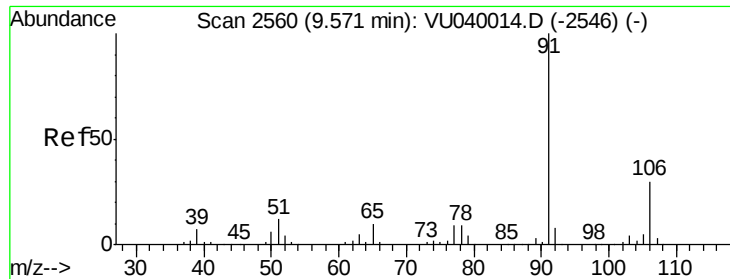
MMDadoda
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#51
Chlorobenzene
Concen: 0.195 ug/L
RT: 9.45 min Scan# 2522
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.3	22.7	42.3
77	71.1	53.2	79.8





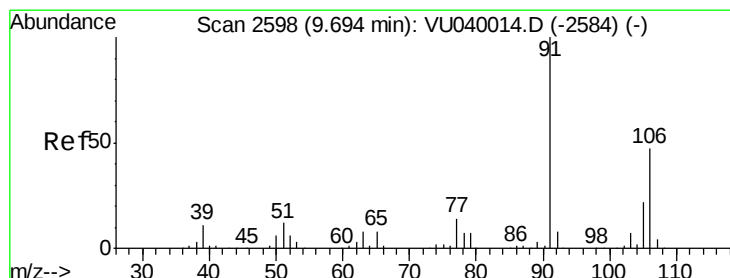
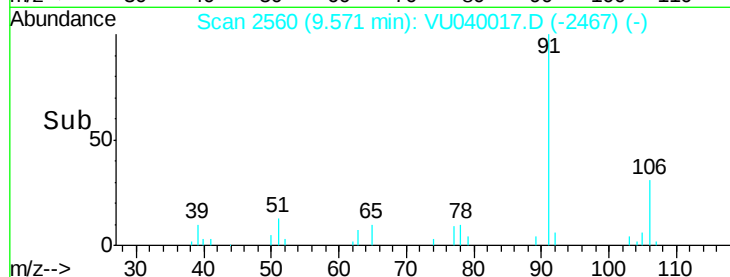
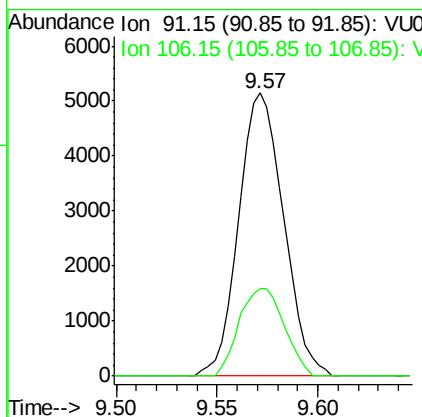
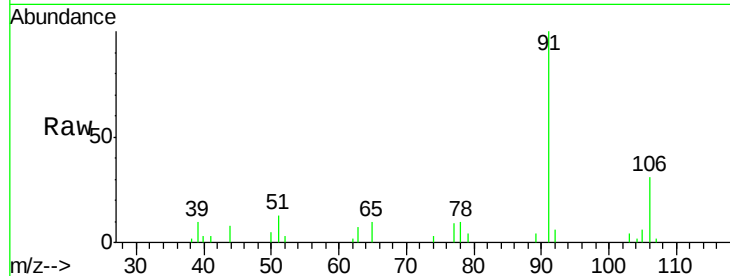
#52
Ethylbenzene
Concen: 0.172 ug/L
RT: 9.57 min Scan# 2560
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion: 91 Resp: 8035
Ion Ratio Lower Upper
91 100
106 30.9 21.0 39.0

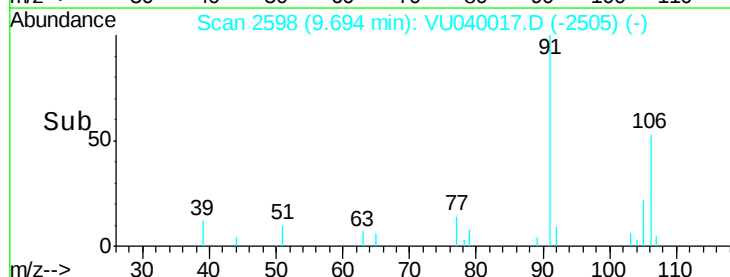
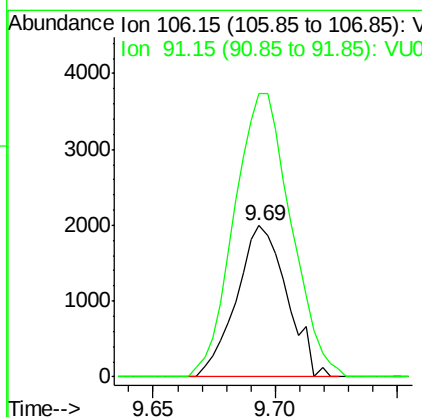
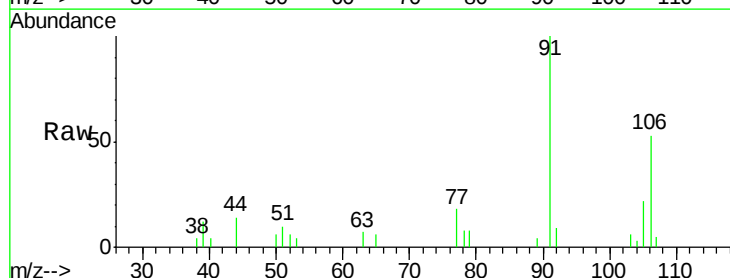
Manual Integrations
APPROVED

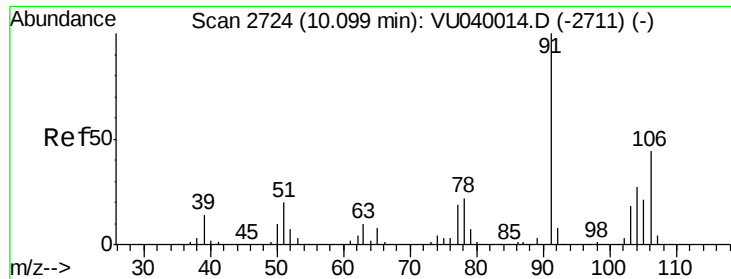
MMDadoda
9/4/2020 2:20:25 PM



#53
m,p-Xylene
Concen: 0.171 ug/L
RT: 9.69 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion: 106 Resp: 2845
Ion Ratio Lower Upper
106 100
91 187.5 151.7 281.7





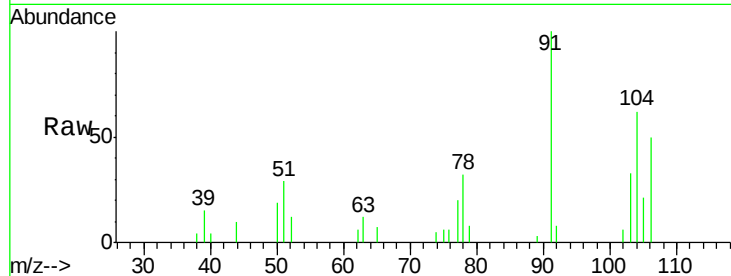
#54
o-Xylene
Concen: 0.172 ug/L
RT: 10.11 min Scan# 2726
Delta R.T. 0.01 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampled :
MDL02

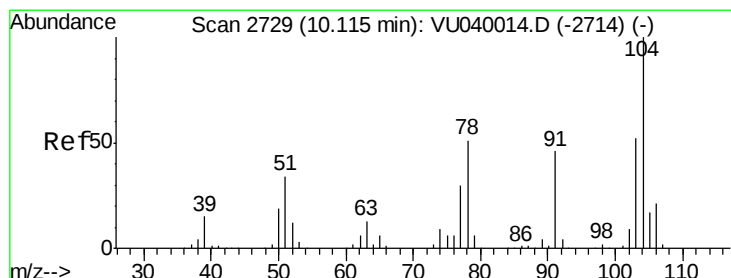
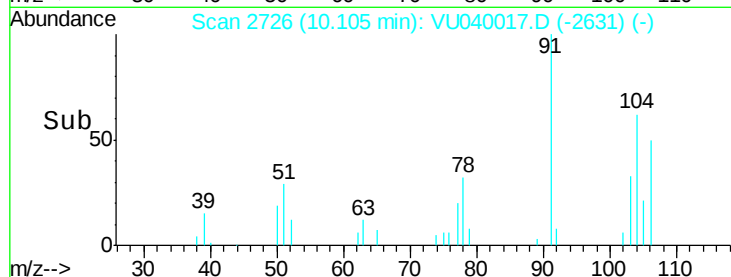
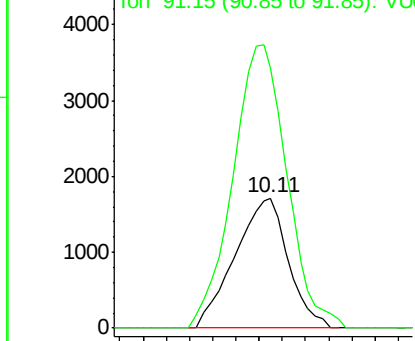
Tot Ion:106 Resp: 2728
Ion Ratio Lower Upper
106 100
91 200.8 160.8 298.6

Manual Integrations
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MMDadoda
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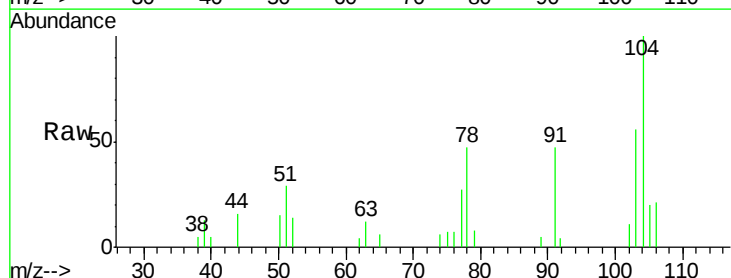


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

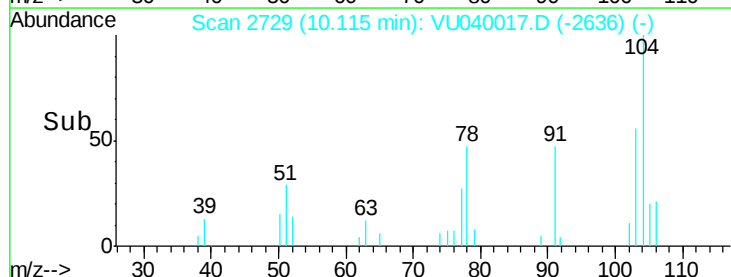
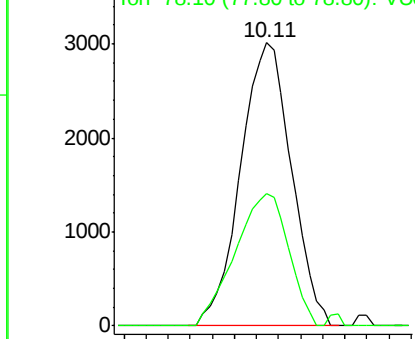


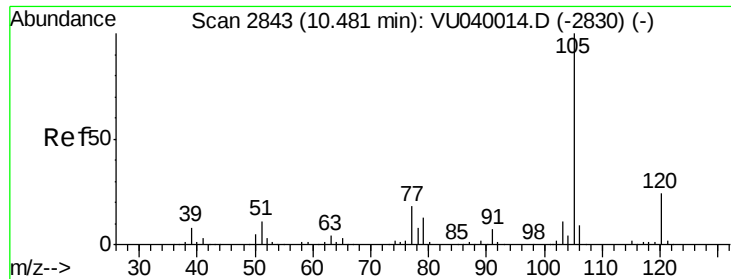
#55
Styrene
Concen: 0.174 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion:104 Resp: 4806
Ion Ratio Lower Upper
104 100
78 46.9 36.8 68.3



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





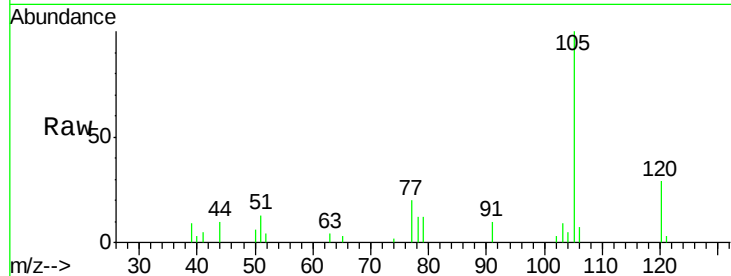
#56
Isopropylbenzene
Concen: 0.173 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

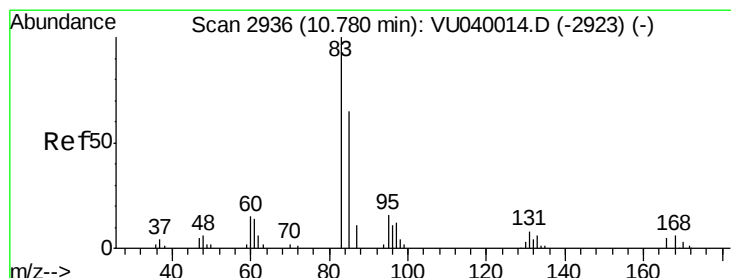
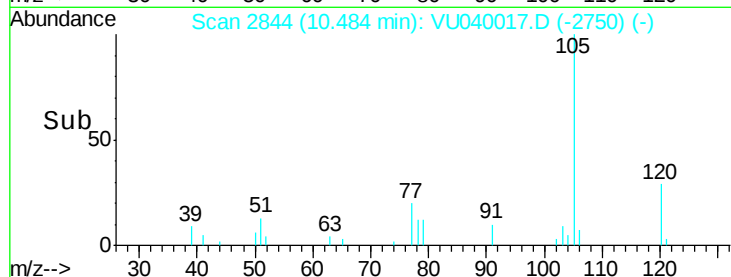
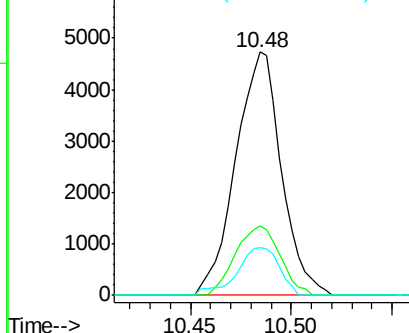
Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	20.1	30.1
77	18.2	14.4	21.6

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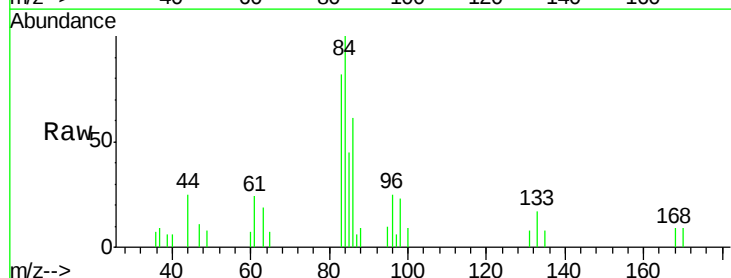


Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V

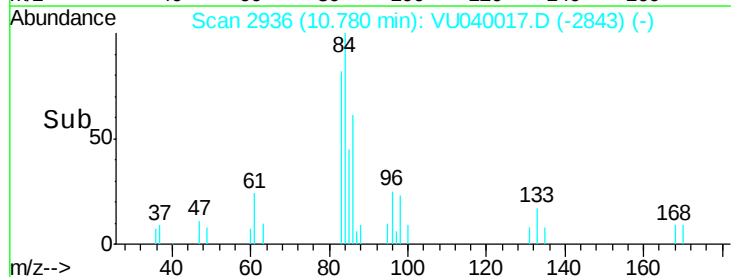
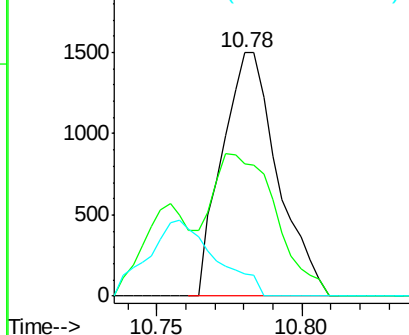


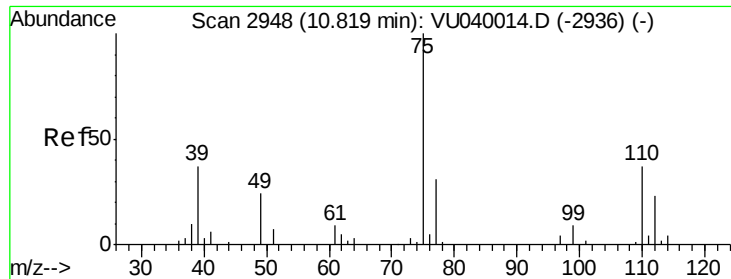
#58
1,1,2,2-Tetrachloroethane
Concen: 0.197 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.2	44.9	83.3
131	9.3	7.4	11.0



Abundance Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 130.95 (130.65 to 131.65): V





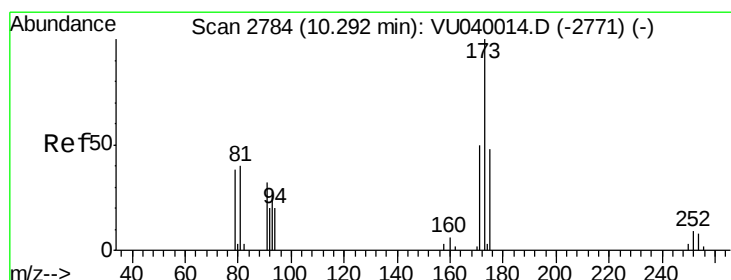
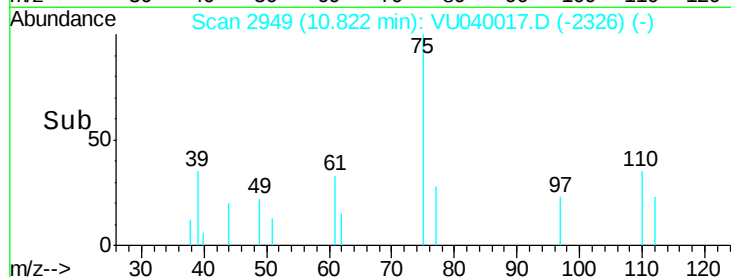
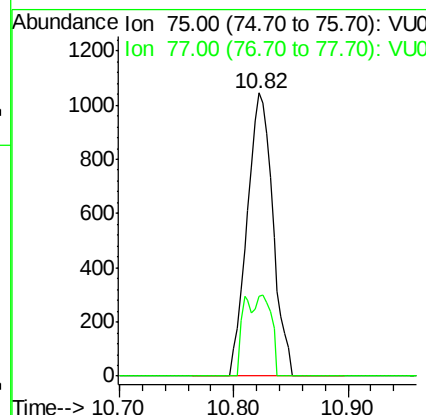
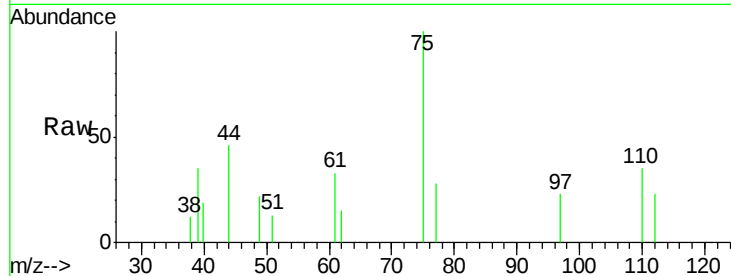
#59
 1,2,3-Trichloropropane
 Concen: 0.202 ug/L m
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL02

Tot Ion: 75 Resp: 1616
 Ion Ratio Lower Upper
 75 100
 77 213.3 24.9 37.3#

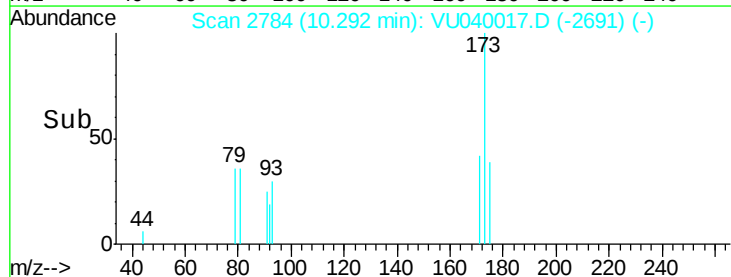
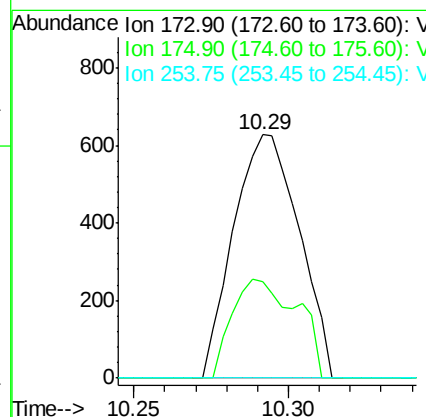
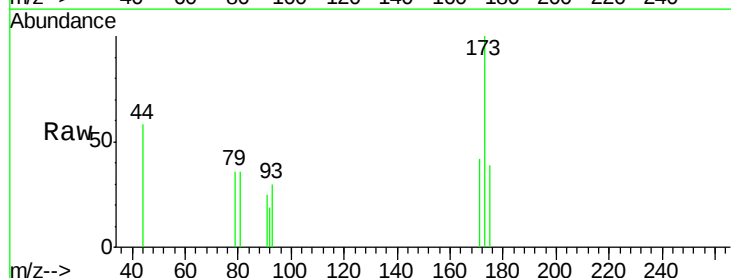
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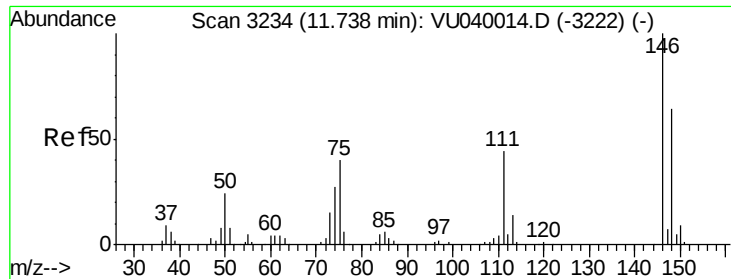
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#61
 Bromoform
 Concen: 0.196 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion: 173 Resp: 928
 Ion Ratio Lower Upper
 173 100
 175 40.1 37.8 56.6
 254 0.0 6.8 10.2#





#62

1,3-Dichlorobenzene

Concen: 0.209 ug/L

RT: 11.74 min Scan# 3236

Delta R.T. 0.01 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

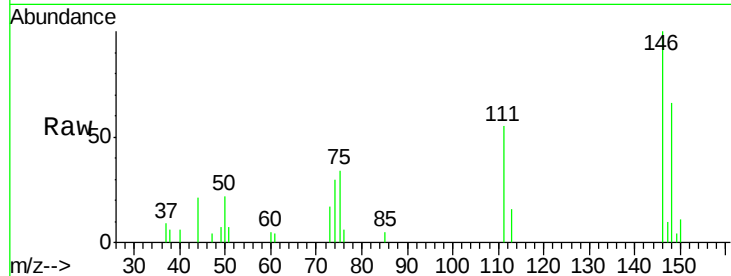
ClientSampleId :

MDL02

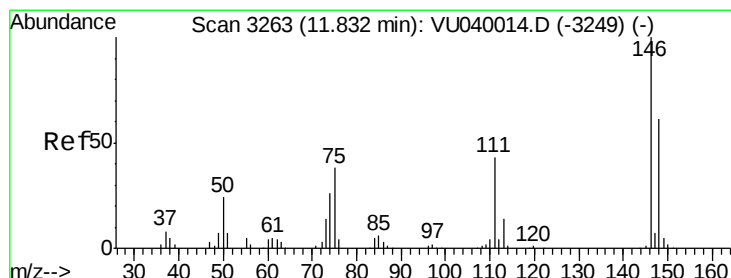
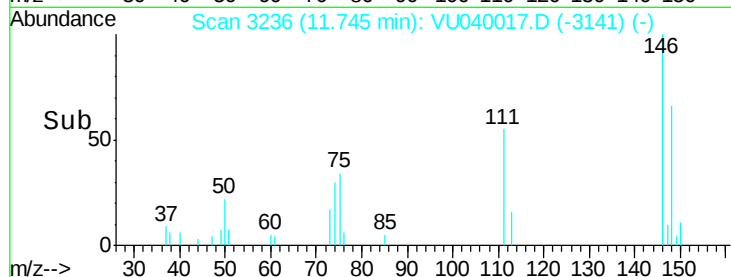
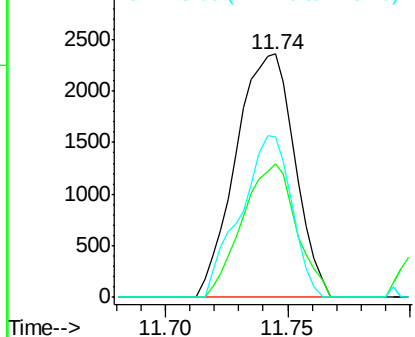
Tot Ion:	146	Resp:	3939
Ion	Ratio	Lower	Upper
146	100		
111	54.8	31.6	58.8
148	65.8	44.2	82.0

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Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 0.213 ug/L

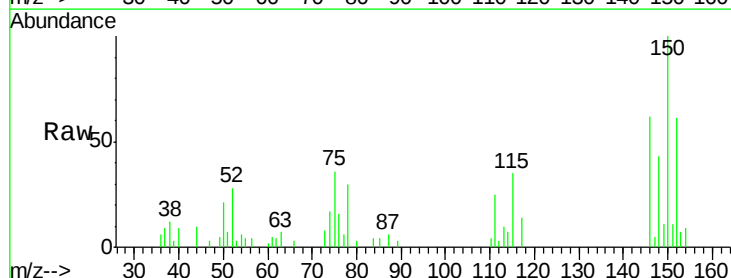
RT: 11.83 min Scan# 3263

Delta R.T. 0.00 min

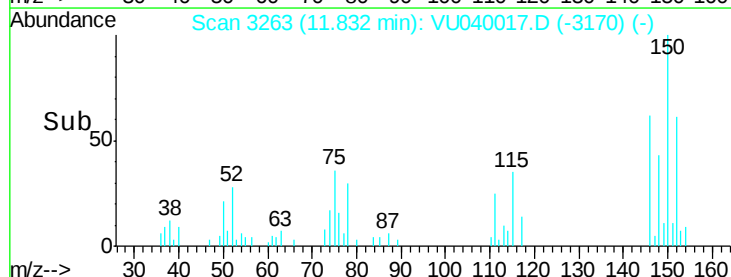
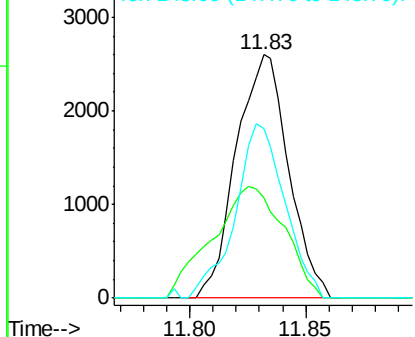
Lab File: VU040017.D

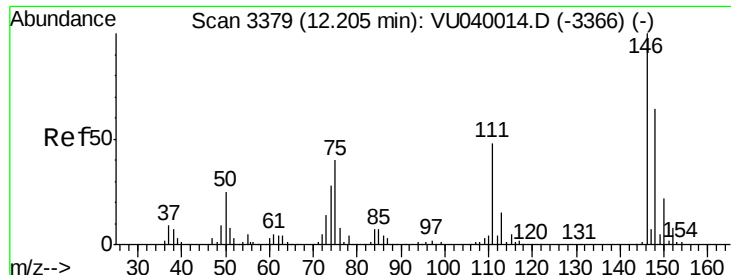
Acq: 02 Sep 2020 11:23

Tgt Ion:	146	Resp:	4071
Ion	Ratio	Lower	Upper
146	100		
111	41.3	30.5	56.7
148	69.4	45.4	84.4



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.195 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

Instrument :

MSVOA_U

ClientSampleId :

MDL02

Tot Ion:146 Resp: 3569

Ion Ratio Lower Upper

146 100

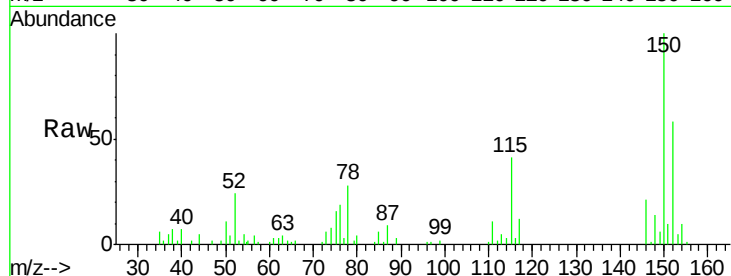
111 55.0 36.5 54.7#

148 66.8 48.6 72.8

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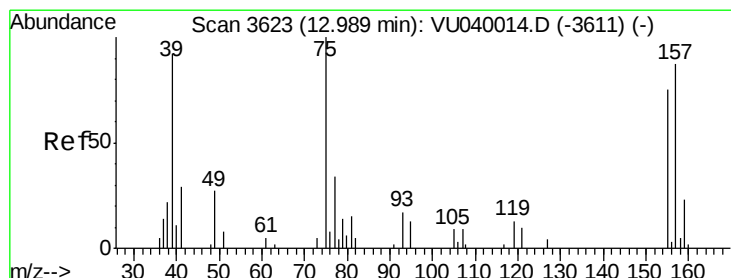
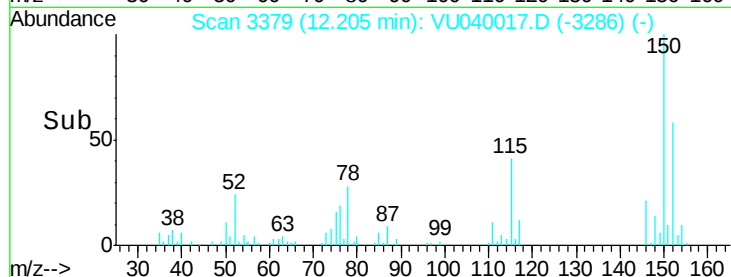
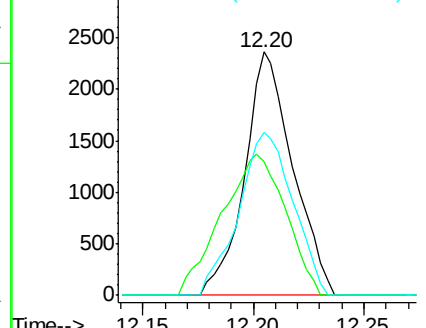
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Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 0.183 ug/L m

RT: 12.99 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VU040017.D

Acq: 02 Sep 2020 11:23

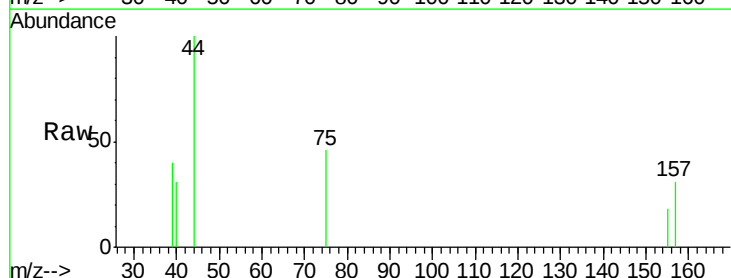
Tgt Ion: 75 Resp: 358

Ion Ratio Lower Upper

75 100

155 40.0 54.6 82.0#

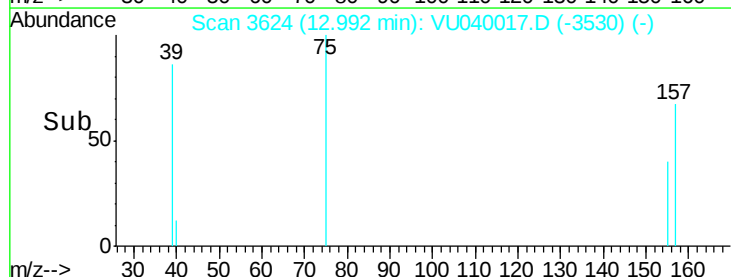
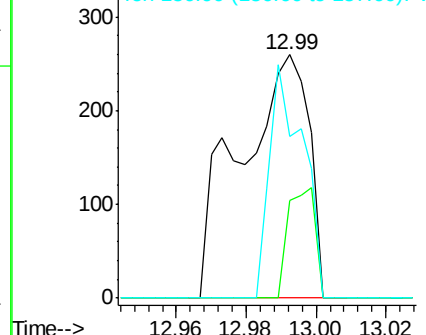
157 66.5 75.6 113.4#

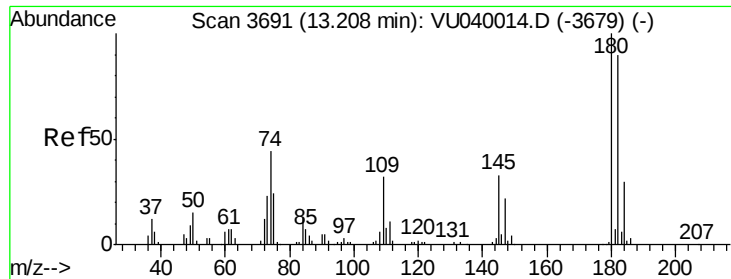


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





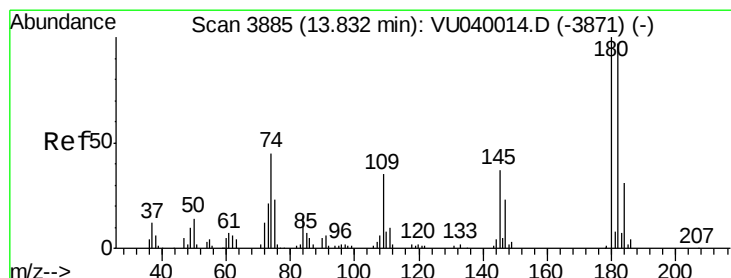
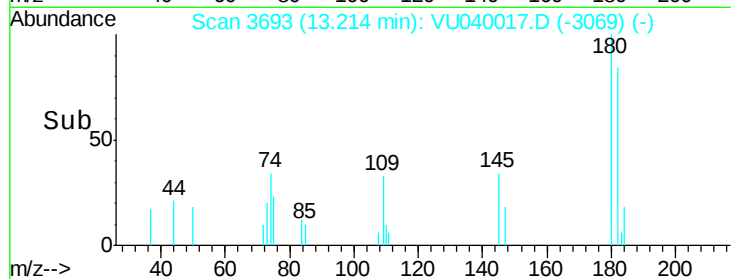
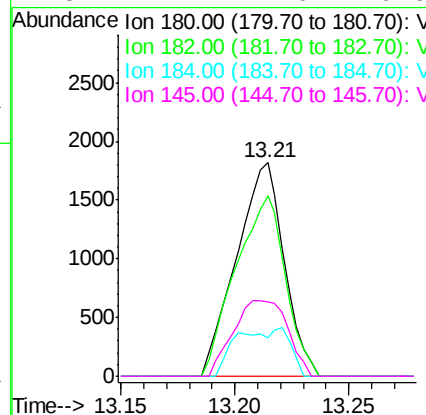
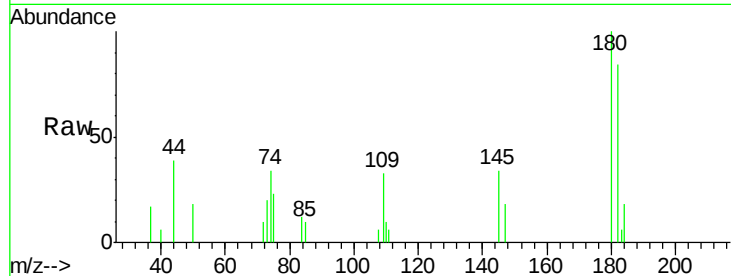
#67
 1,3,5-Trichlorobenzene
 Concen: 0.198 ug/L m
 RT: 13.21 min Scan# 3693
 Delta R.T. 0.01 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Instrument :
 MSVOA_U
 ClientSampled :
 MDL02

Tot Ion:	180	Resp:	2627
Ion Ratio	Lower	Upper	
180	100		
182	70.2	76.9	115.3#
184	21.0	24.6	36.8#
145	24.4	27.0	40.6#

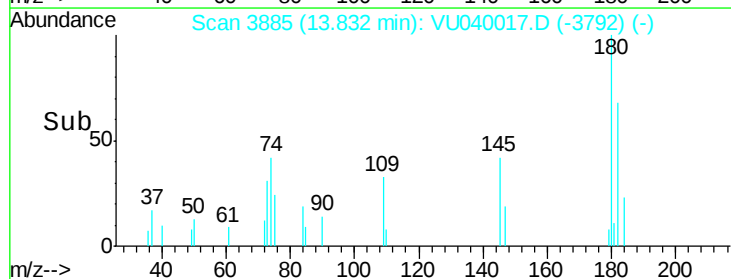
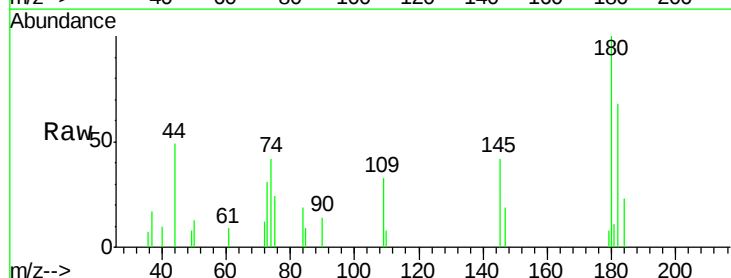
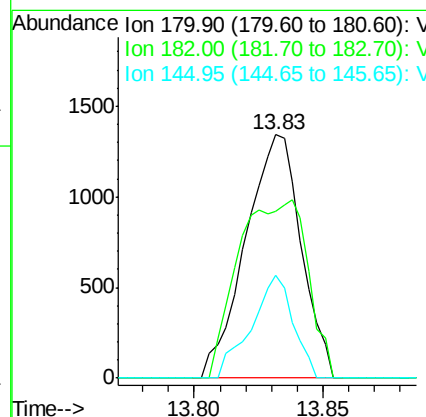
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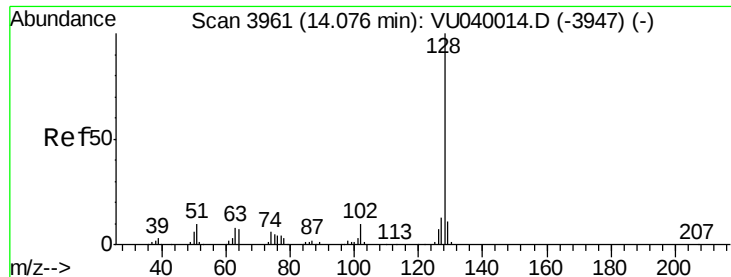
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#68
 1,2,4-trichlorobenzene
 Concen: 0.176 ug/L
 RT: 13.83 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VU040017.D
 Acq: 02 Sep 2020 11:23

Tgt Ion:	180	Resp:	2018
Ion Ratio	Lower	Upper	
180	100		
182	91.4	76.0	114.0
145	31.8	28.4	42.6





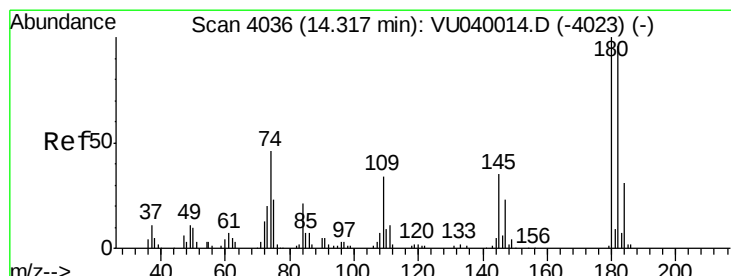
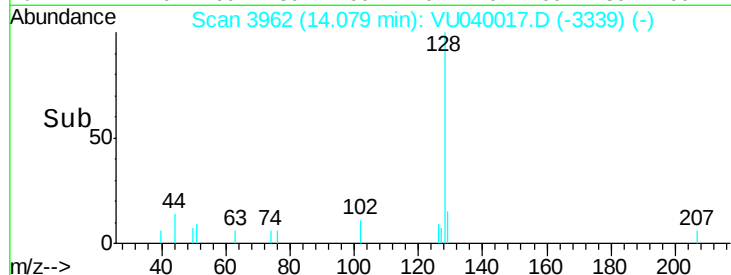
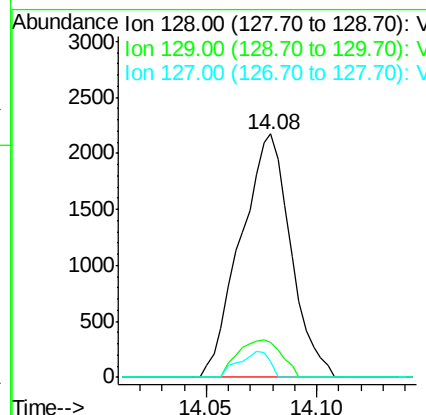
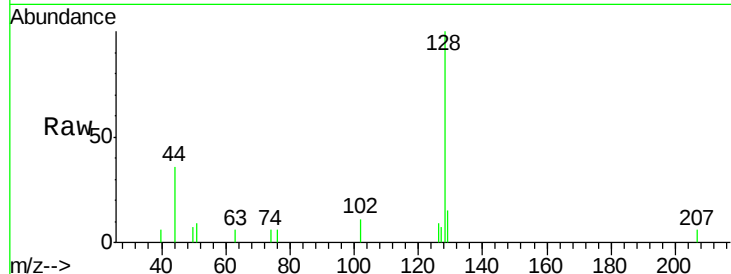
#69
Naphthalene
Concen: 0.144 ug/L
RT: 14.08 min Scan# 3962
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Instrument :
MSVOA_U
ClientSampleId :
MDL02

Tot Ion	Ratio	Lower	Upper
128	100		
129	13.5	8.7	13.1#
127	6.6	10.7	16.1#

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#70
1,2,3-Trichlorobenzene
Concen: 0.154 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040017.D
Acq: 02 Sep 2020 11:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	111.5	77.8	116.6
145	37.0	28.7	43.1

