

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040019.D
 Acq On : 02 Sep 2020 12:11
 Operator : SY/MD
 Sample : MDL04
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 2:20:35 PM

Quant Time: Sep 03 01:43:49 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	114171	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	112315	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	52162	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29694	4.76	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.20%
7) Chloroethane-d5	1.92	69	25226	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.58	63	54219	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	4.65	46	141267	56.66	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.32%
24) Chloroform-d	5.08	84	69889	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	5.72	65	46293	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.00%
32) Benzene-d6	5.74	84	133179	5.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.60%
36) 1,2-Dichloropropane-d6	6.70	67	44429	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.91	98	115733	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	8.19	79	19067	4.80	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.00%
46) 2-Hexanone-d5	8.64	63	101618	54.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.06%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40055	5.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.20%
64) 1,2-Dichlorobenzene-d4	12.19	152	45524	5.39	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2391	0.211	ug/L #	84
3) Chloromethane	1.53	50	2604	0.240	ug/L	93
5) Vinyl chloride	1.61	62	2346	0.213	ug/L #	68
6) Bromomethane	1.87	94	1524	0.271	ug/L	98
8) Chloroethane	1.94	64	1676	0.254	ug/L	95
9) Trichlorofluoromethane	2.15	101	3585	0.228	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	2673	0.262	ug/L	86
12) 1,1-Dichloroethene	2.59	96	2260	0.256	ug/L #	1
13) Acetone	2.66	43	5728	2.482	ug/L	96
14) Carbon disulfide	2.81	76	6331	0.223	ug/L #	91
15) Methyl Acetate	2.97	43	1266	0.219	ug/L #	66
16) Methylene chloride	3.06	84	4808	0.416	ug/L	86
17) Methyl tert-butyl Ether	3.38	73	6121	0.230	ug/L #	93
18) trans-1,2-Dichloroethene	3.37	96	2018	0.212	ug/L	89
19) 1,1-Dichloroethane	3.89	63	4310	0.220	ug/L	96
21) 2-Butanone	4.73	43	8052	2.137	ug/L #	76
22) cis-1,2-Dichloroethene	4.69	96	2455	0.240	ug/L	80

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Quant Time: Sep 03 01:43:49 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	4.99	128	882	0.197	ug/L	88
25) Chloroform	5.10	83	6914	0.345	ug/L	92
27) 1,2-Dichloroethane	5.82	62	3305	0.225	ug/L #	94
29) 1,1,1-Trichloroethane	5.34	97	4329	0.245	ug/L	92
30) Cyclohexane	5.41	56	3516	0.206	ug/L #	89
31) Carbon tetrachloride	5.54	117	3327	0.220	ug/L	89
33) Benzene	5.79	78	8406	0.209	ug/L	100
34) Trichloroethene	6.55	95	2391	0.222	ug/L	85
35) Methylcyclohexane	6.77	83	3097	0.188	ug/L	97
37) 1,2-Dichloropropane	6.81	63	2426	0.223	ug/L #	90
38) Bromodichloromethane	7.12	83	3052	0.205	ug/L #	93
39) cis-1,3-Dichloropropene	7.61	75	3775	0.235	ug/L	86
40) 4-Methyl-2-pentanone	7.80	43	18948	2.123	ug/L	96
42) Toluene	7.98	91	8946	0.216	ug/L	93
44) trans-1,3-Dichloropropene	8.22	75	3132m	0.211	ug/L	
45) 1,1,2-Trichloroethane	8.41	97	1662	0.210	ug/L	91
47) Tetrachloroethene	8.56	164	1612	0.228	ug/L	82
48) 2-Hexanone	8.69	43	17198	2.641	ug/L	98
49) Dibromochloromethane	8.82	129	1825	0.192	ug/L	90
50) 1,2-Dibromoethane	8.92	107	1590	0.208	ug/L #	87
51) Chlorobenzene	9.45	112	5763	0.224	ug/L	93
52) Ethylbenzene	9.57	91	9928	0.211	ug/L	95
53) m,p-Xylene	9.69	106	3455	0.206	ug/L	81
54) o-Xylene	10.10	106	3317	0.208	ug/L	94
55) Styrene	10.11	104	5450	0.196	ug/L	99
56) Isopropylbenzene	10.48	105	8056	0.185	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.78	83	2216	0.218	ug/L	92
59) 1,2,3-Trichloropropane	10.82	75	1864m	0.231	ug/L	
61) Bromoform	10.29	173	887	0.185	ug/L #	70
62) 1,3-Dichlorobenzene	11.74	146	4160	0.218	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4484	0.232	ug/L	92
65) 1,2-Dichlorobenzene	12.20	146	4507	0.244	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.99	75	347	0.176	ug/L #	80
67) 1,3,5-Trichlorobenzene	13.21	180	3175	0.237	ug/L	91
68) 1,2,4-trichlorobenzene	13.83	180	2136	0.185	ug/L	91
69) Naphthalene	14.08	128	4063	0.169	ug/L #	88
70) 1,2,3-Trichlorobenzene	14.32	180	2174	0.205	ug/L #	89

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

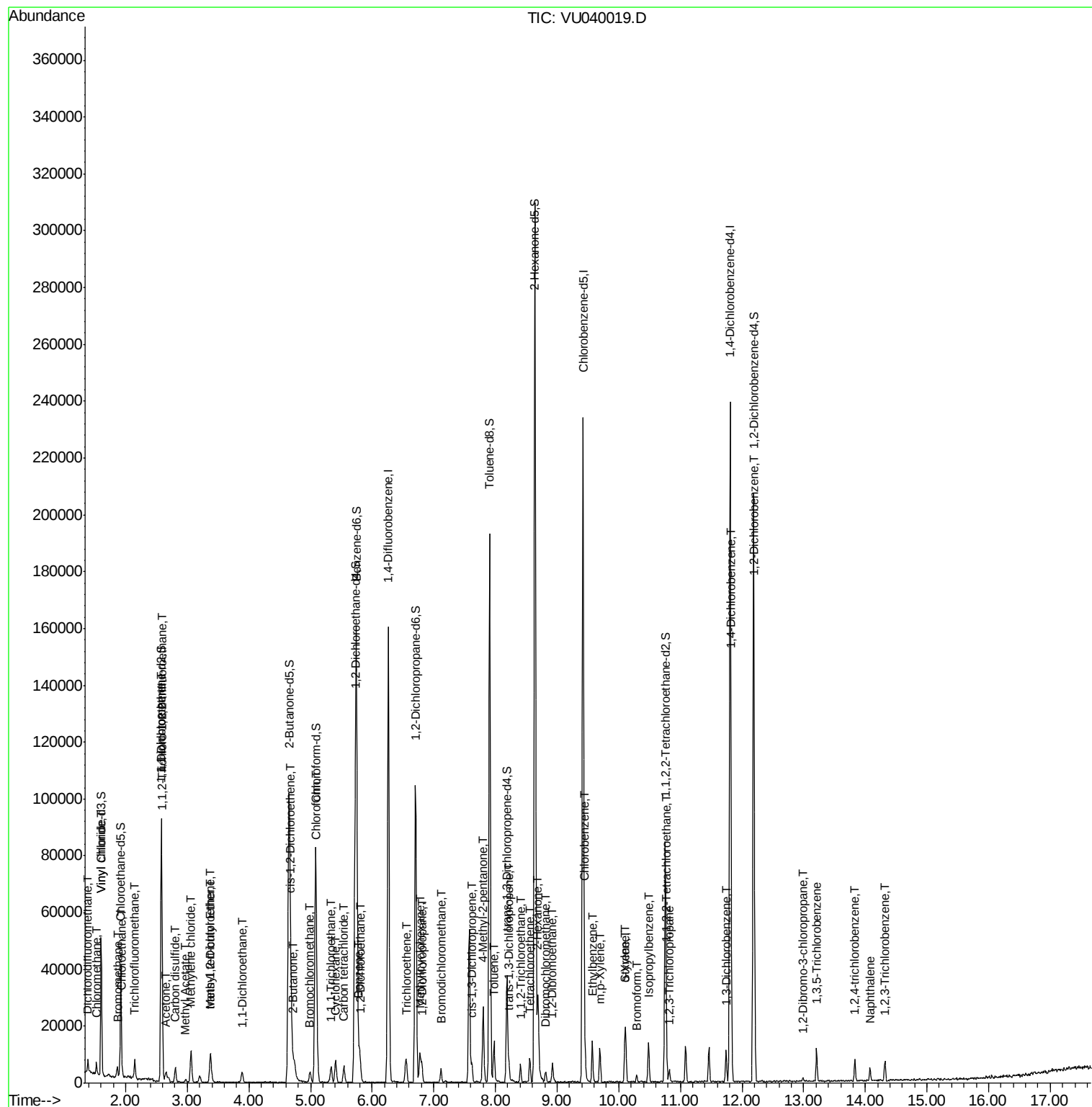
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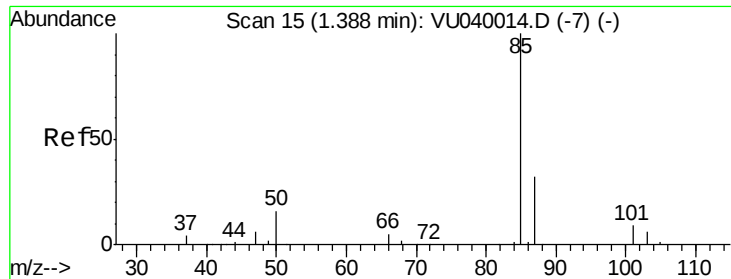
Instrument :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.211 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 85 Resp: 2391

Ion Ratio Lower Upper

85 100

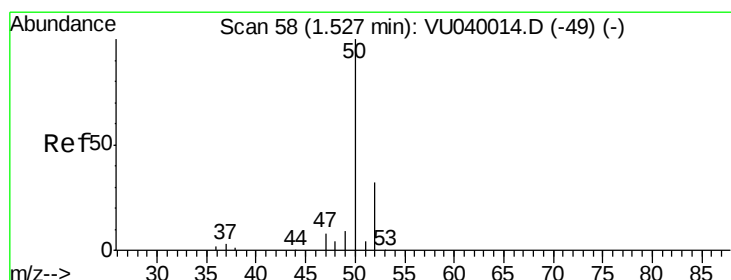
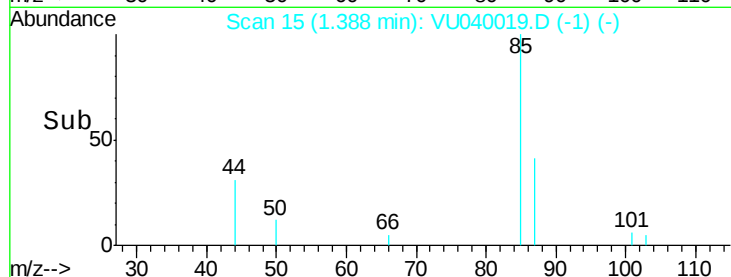
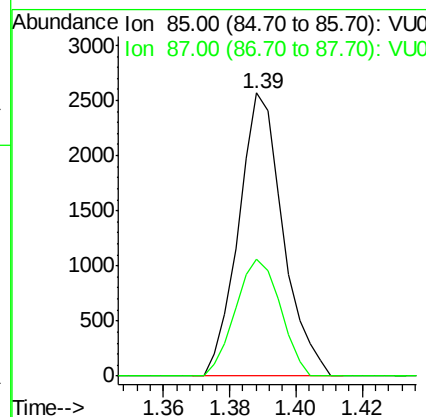
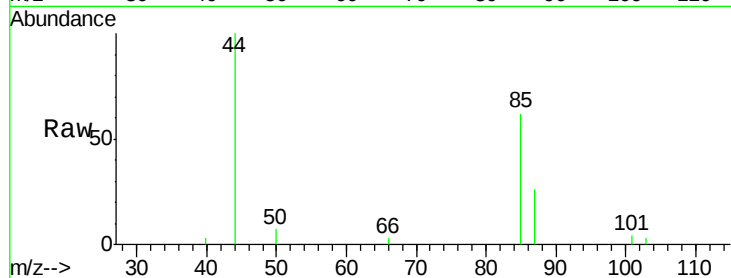
87 41.6 25.9 38.9#

Manual Integrations

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#3

Chloromethane

Concen: 0.240 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040019.D

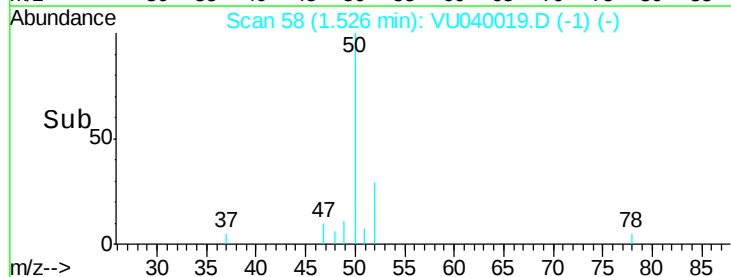
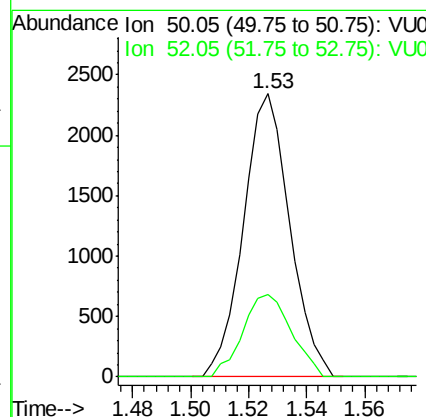
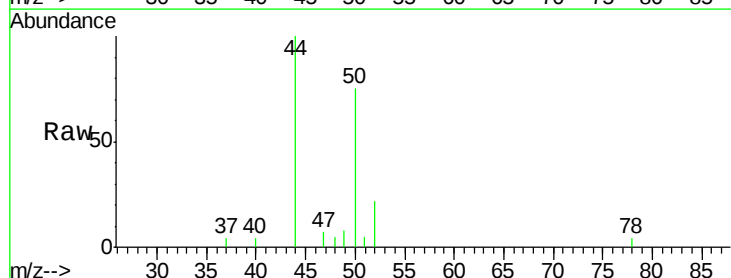
Acq: 02 Sep 2020 12:11

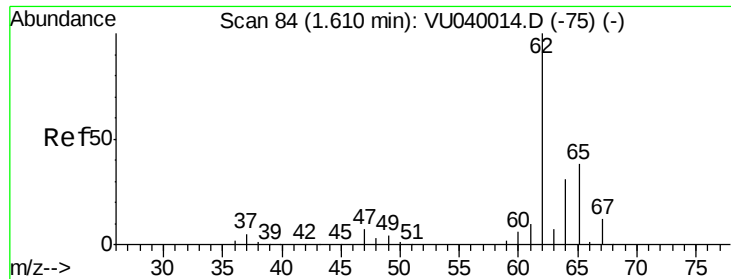
Tgt Ion: 50 Resp: 2604

Ion Ratio Lower Upper

50 100

52 28.9 22.8 42.4





#5

Vinyl chloride

Concen: 0.213 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 62 Resp: 2346

Ion Ratio Lower Upper

62 100

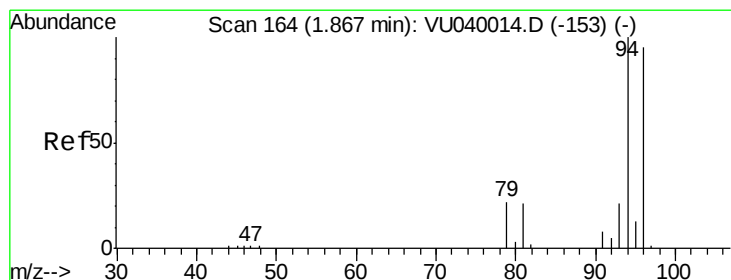
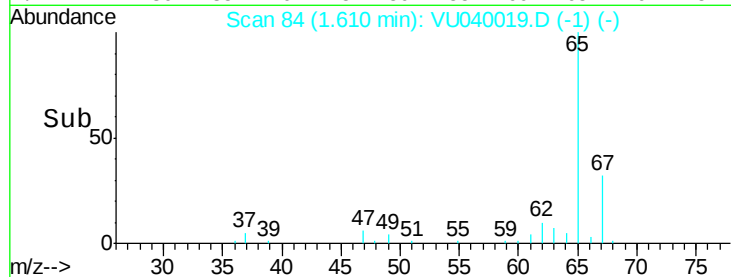
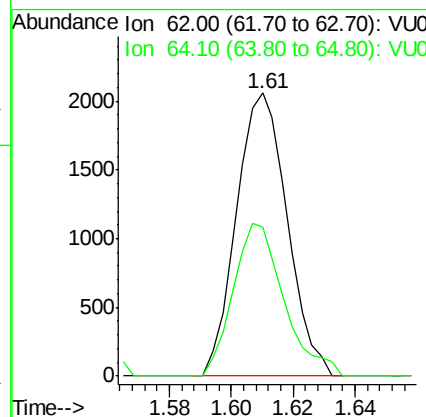
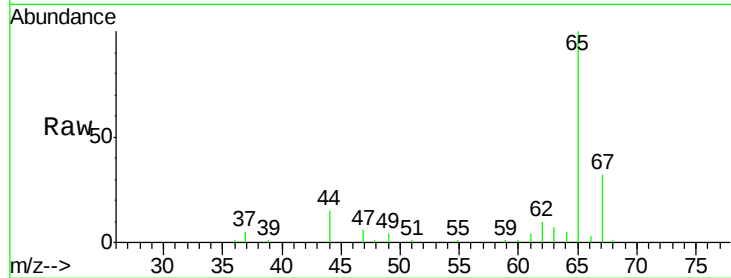
64 52.5 23.9 44.3#

Manual Integrations

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#6

Bromomethane

Concen: 0.271 ug/L

RT: 1.87 min Scan# 164

Delta R.T. -0.00 min

Lab File: VU040019.D

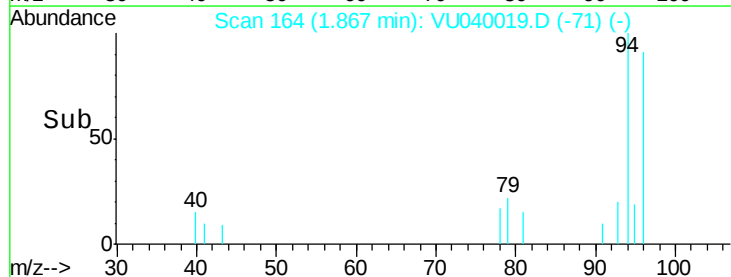
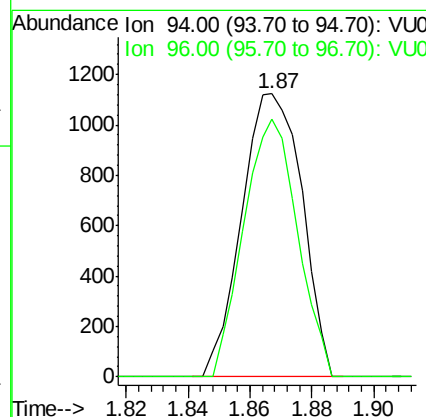
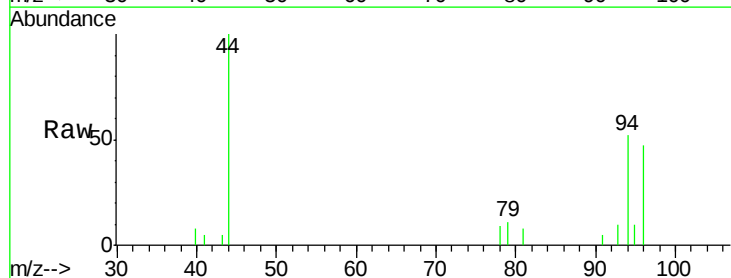
Acq: 02 Sep 2020 12:11

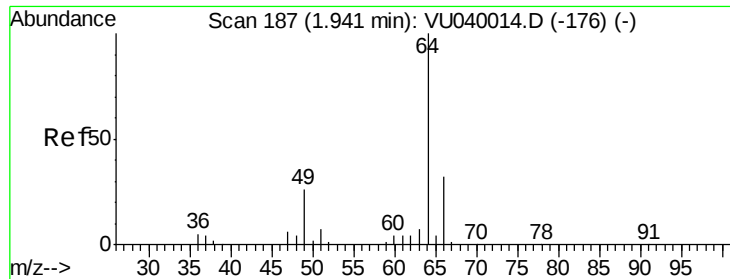
Tgt Ion: 94 Resp: 1524

Ion Ratio Lower Upper

94 100

96 91.1 62.3 115.7





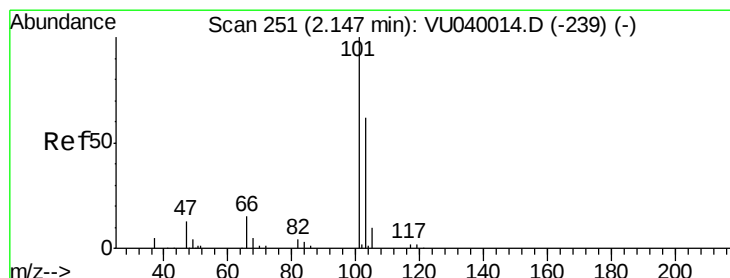
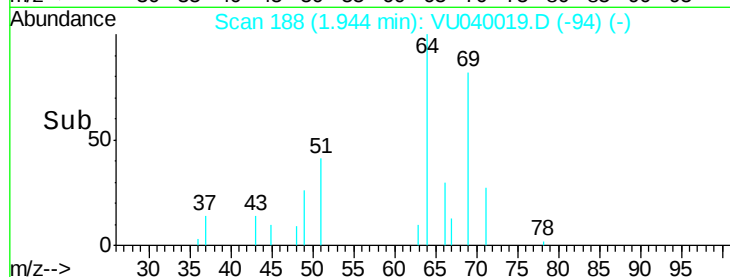
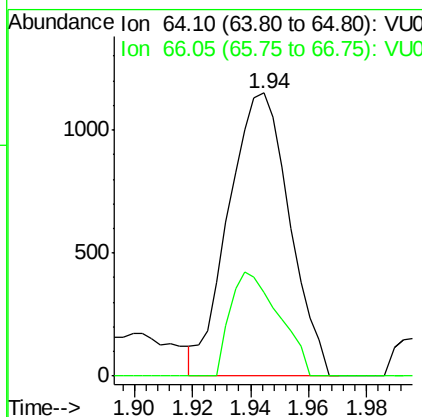
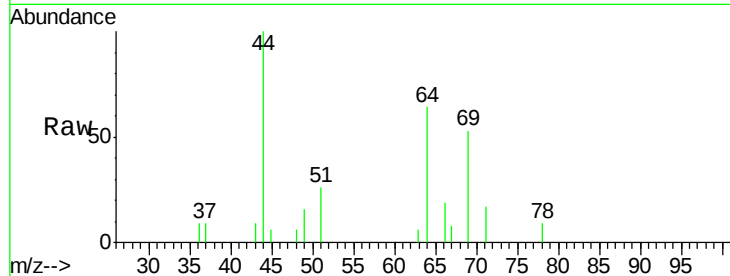
#8
Chloroethane
Concen: 0.254 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion: 64 Resp: 1676
Ion Ratio Lower Upper
64 100
66 29.7 22.7 42.1

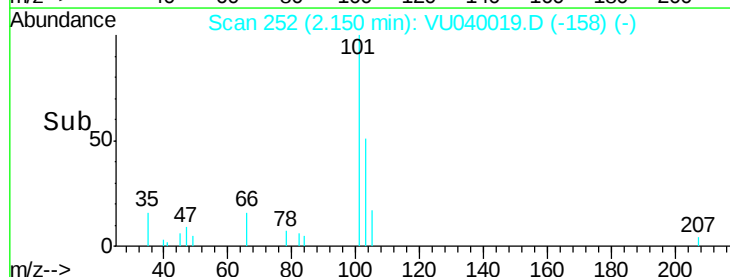
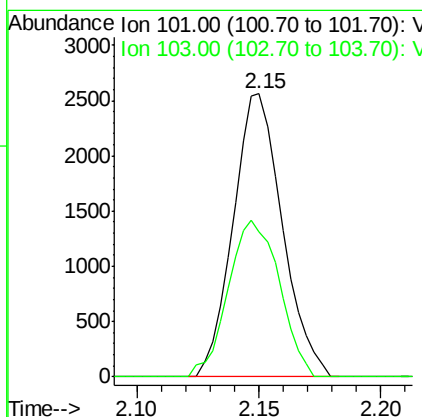
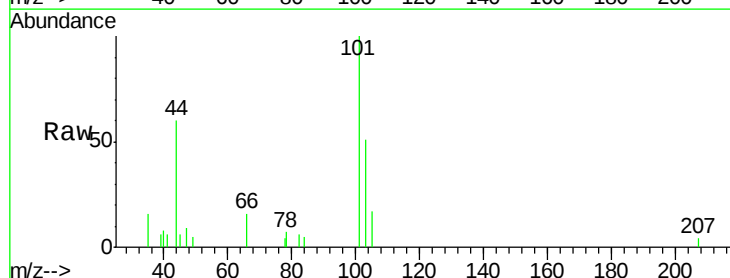
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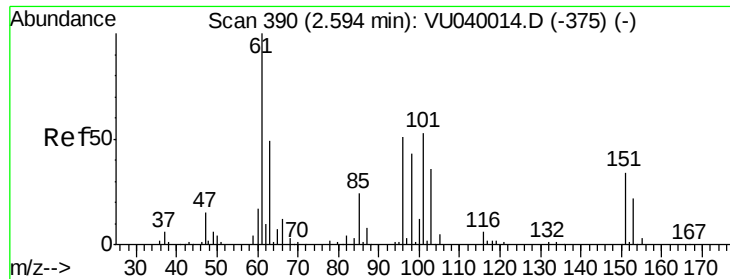
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#9
Trichlorofluoromethane
Concen: 0.228 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion: 101 Resp: 3585
Ion Ratio Lower Upper
101 100
103 57.5 51.3 76.9





#10

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

Concen: 0.262 ug/L

RT: 2.60 min Scan# 391

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

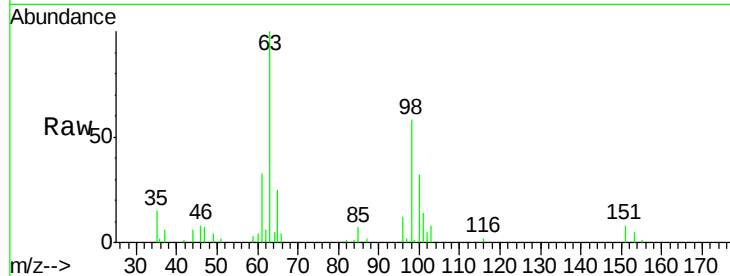
ClientSampled :

MDL04

Tot Ion:	101	Resp:	2673
Ion Ratio	Lower	Upper	
101	100		
85	40.0	37.7	56.5
151	53.9	53.9	80.9

Manual Integrations
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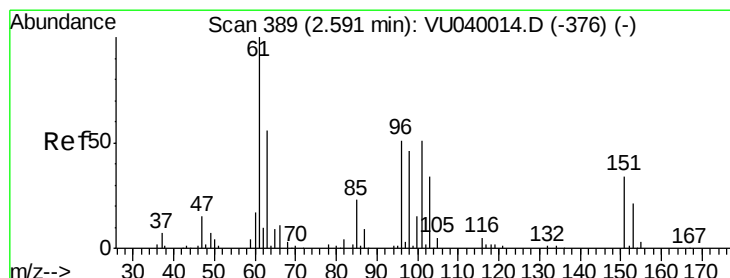
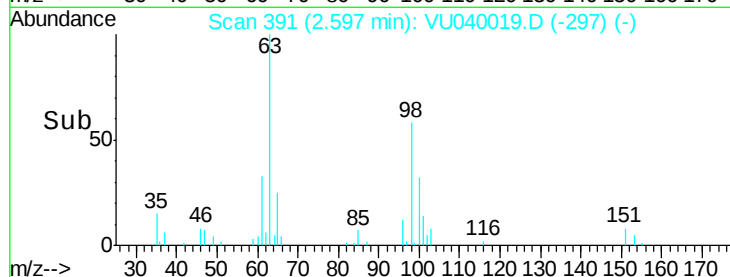
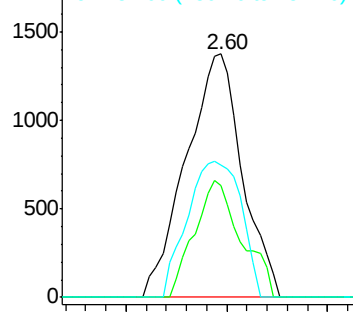
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.256 ug/L

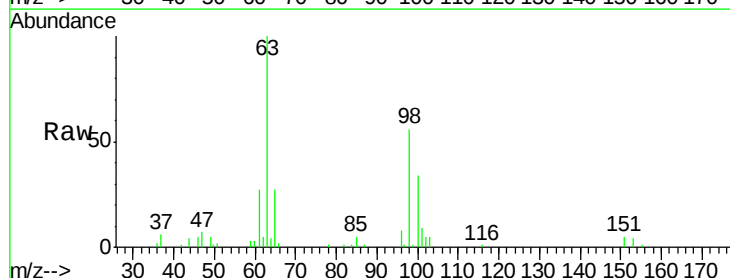
RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

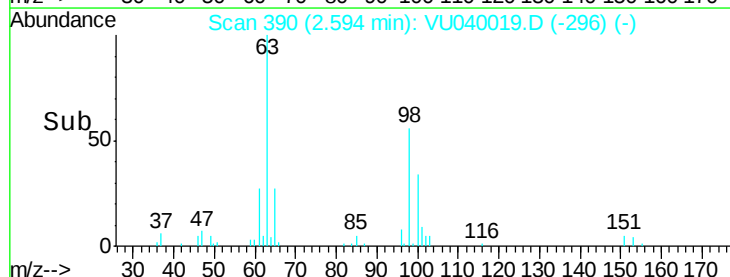
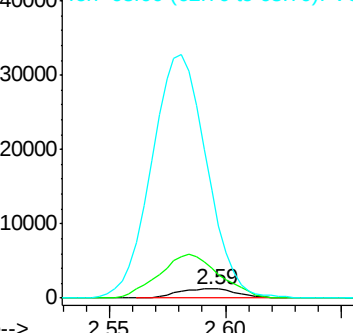
Tgt Ion:	96	Resp:	2260
Ion Ratio	Lower	Upper	
96	100		
61	321.2	138.3	256.8#
63	1187.2	77.6	144.2#

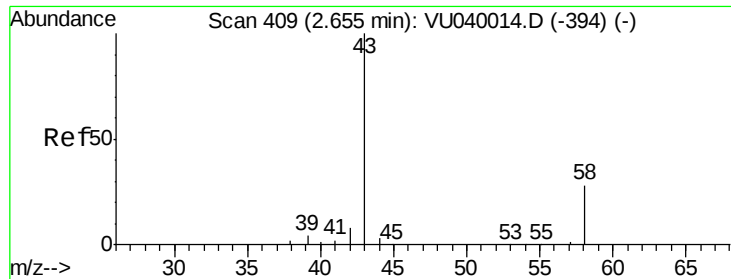


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 2.482 ug/L

RT: 2.66 min Scan# 410

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion: 43 Resp: 5728

Ion Ratio Lower Upper

43 100

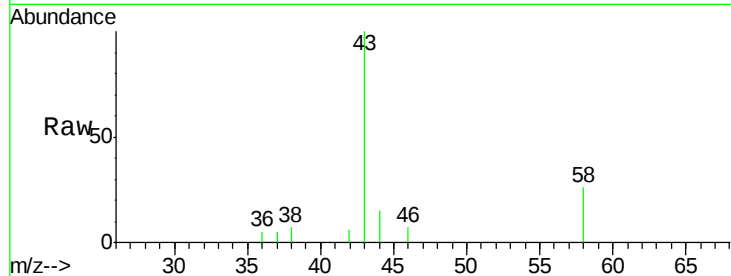
58 25.4 0.0 55.4

Manual Integrations

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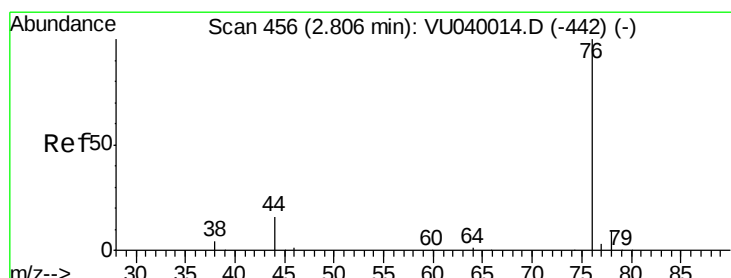
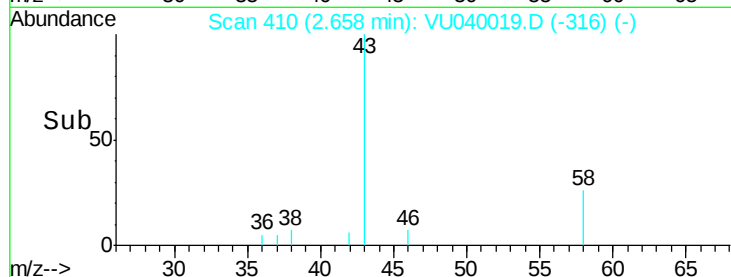
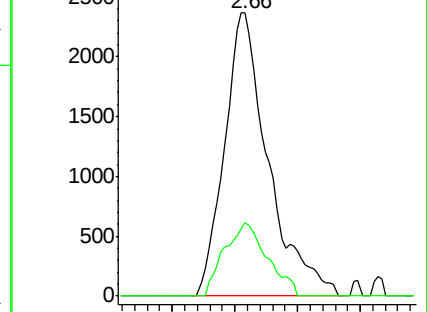
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Abundance Ion 43.05 (42.75 to 43.75): VU040019.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VU040019.D (-316) (-)



#14

Carbon disulfide

Concen: 0.223 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU040019.D

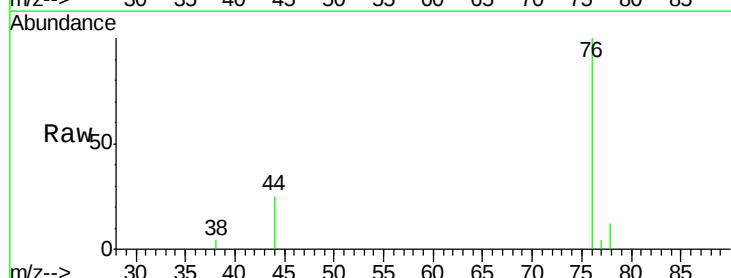
Acq: 02 Sep 2020 12:11

Tgt Ion: 76 Resp: 6331

Ion Ratio Lower Upper

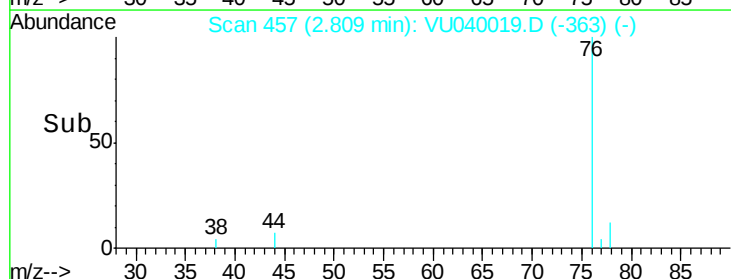
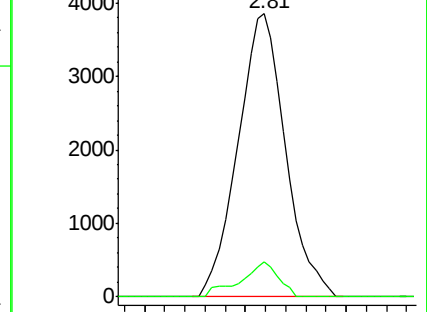
76 100

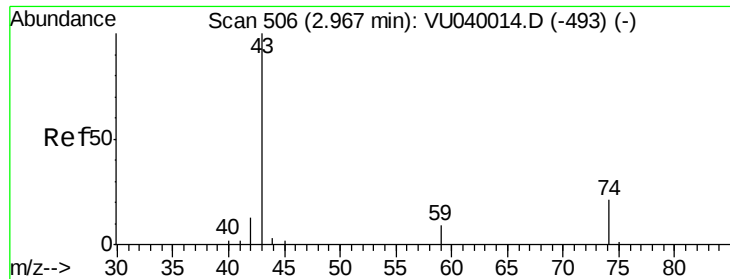
78 12.2 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VU040019.D (-363) (-)

Ion 78.00 (77.70 to 78.70): VU040019.D (-363) (-)





#15

Methvl Acetate

Concen: 0.219 ug/L

RT: 2.97 min Scan# 507

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 43 Resp: 1266

Ion Ratio Lower Upper

43 100

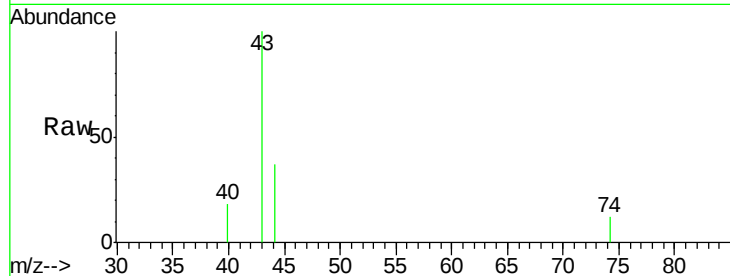
74 5.4 17.4 26.0#

Manual Integrations

APPROVED

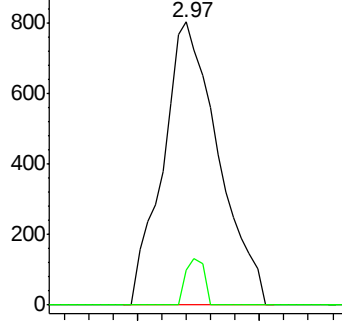
MMDadoda

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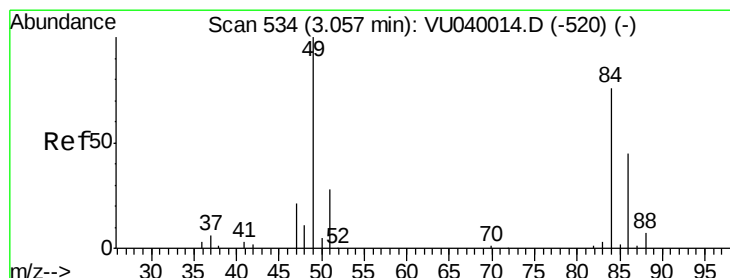
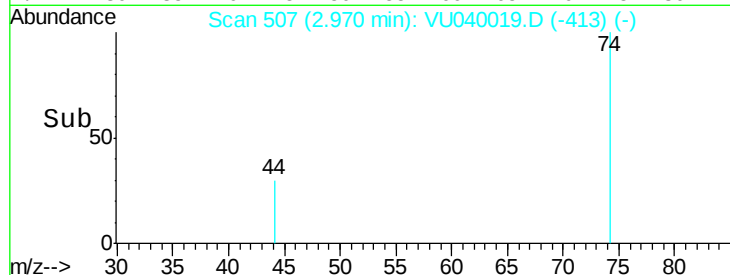


Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



Time-->



#16

Methylene chloride

Concen: 0.416 ug/L

RT: 3.06 min Scan# 536

Delta R.T. 0.01 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

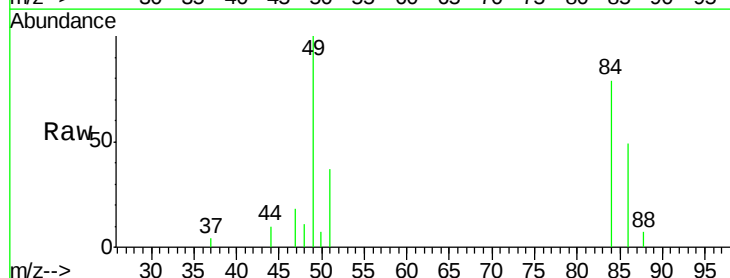
Tgt Ion: 84 Resp: 4808

Ion Ratio Lower Upper

84 100

86 61.4 45.2 84.0

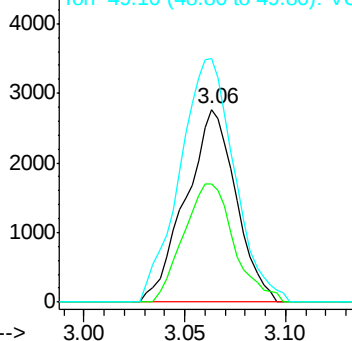
49 126.2 104.0 193.2



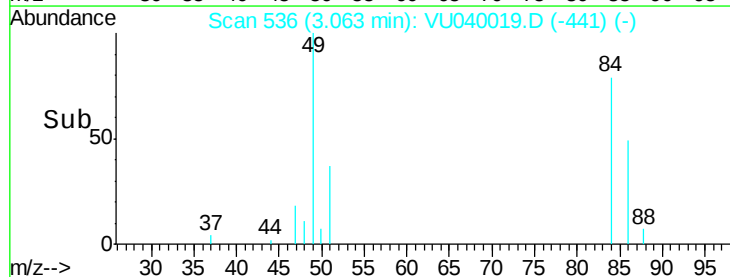
Abundance Ion 84.05 (83.75 to 84.75): VU0

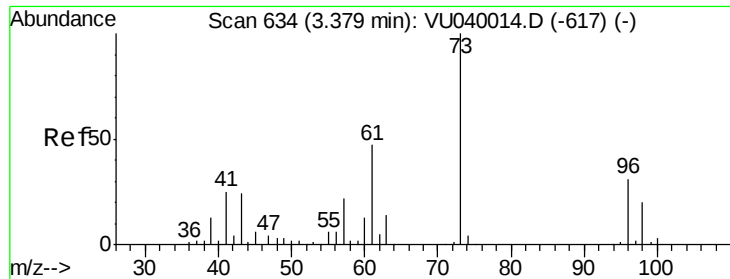
Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



Time-->





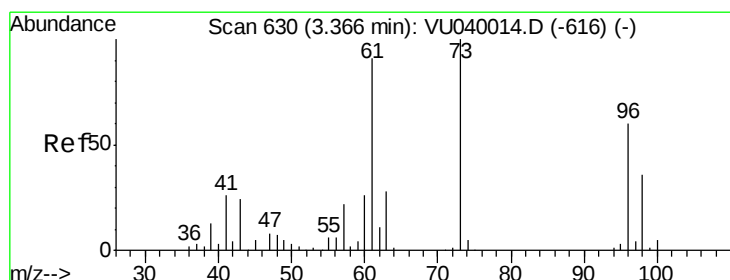
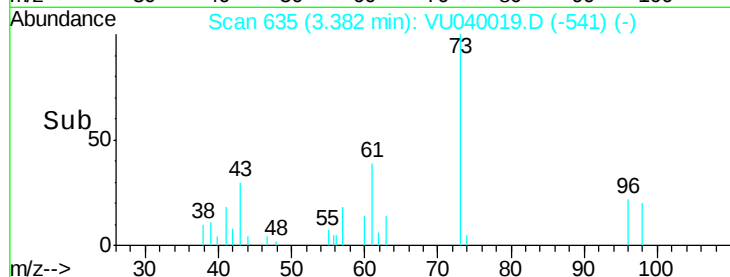
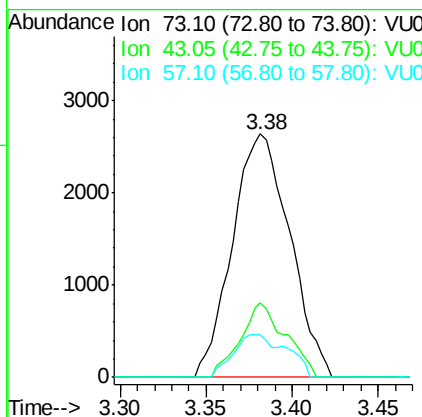
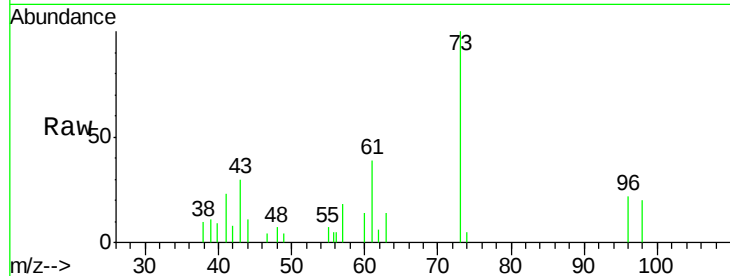
#17
Methvl tert-butvl Ether
Concen: 0.230 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
73	100		
43	24.0	19.1	28.7
57	16.4	18.3	27.5

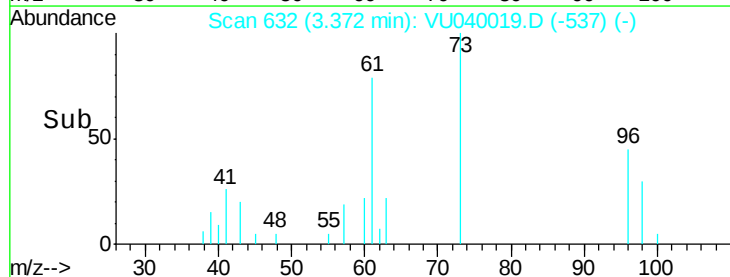
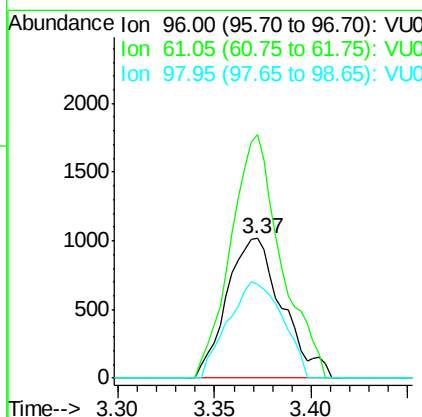
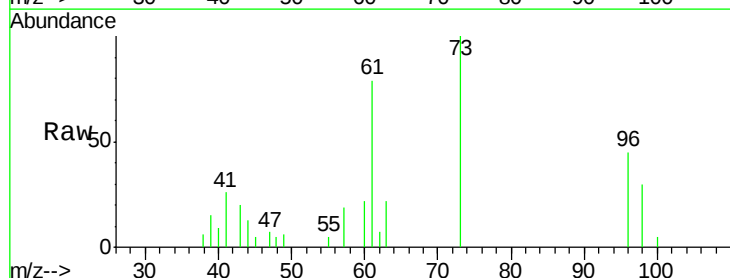
Manual Integrations
APPROVED

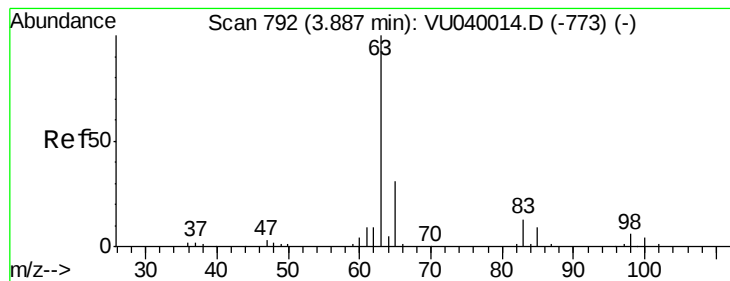
MMDadoda
9/4/2020 2:20:35 PM



#18
trans-1,2-Dichloroethene
Concen: 0.212 ug/L
RT: 3.37 min Scan# 632
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.7	110.5	205.3
98	67.3	43.2	80.2





#19

1,1-Dichloroethane

Concen: 0.220 ug/L

RT: 3.89 min Scan# 792

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

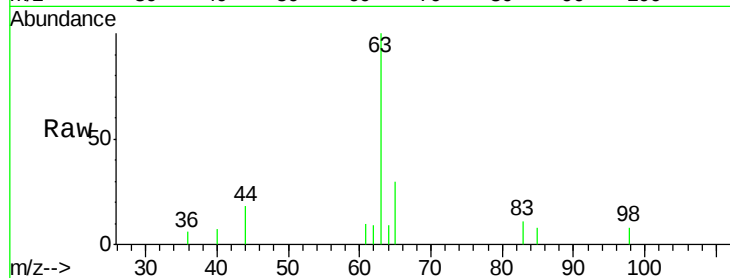
ClientSampleId :

MDL04

Tot Ion:	63	Resp:	4310
Ion	Ratio	Lower	Upper
63	100		
65	30.0	22.2	41.2
83	10.9	9.4	17.6

Manual Integrations
APPROVED

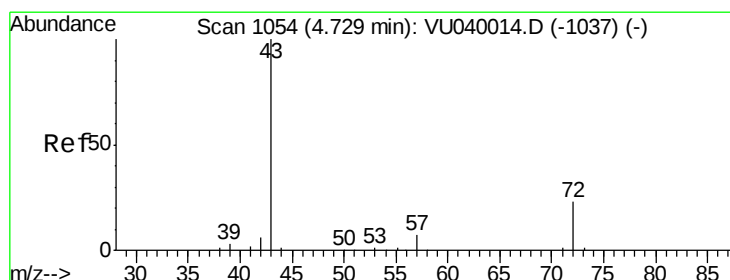
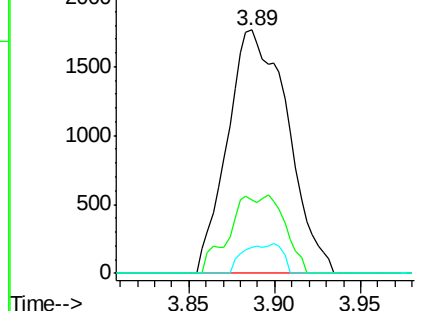
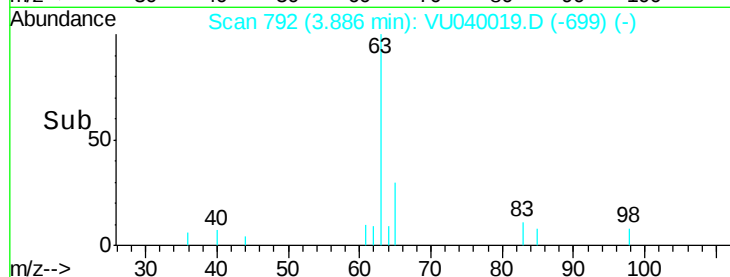
MMDadoda
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Abundance Ion 63.10 (62.80 to 63.80): VU040019.D (-699) (-)

Ion 65.10 (64.80 to 65.80): VU040019.D (-699) (-)

Ion 83.05 (82.75 to 83.75): VU040019.D (-699) (-)



#21

2-Butanone

Concen: 2.137 ug/L

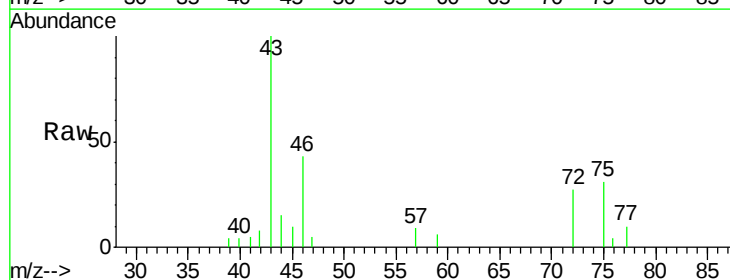
RT: 4.73 min Scan# 1055

Delta R.T. 0.00 min

Lab File: VU040019.D

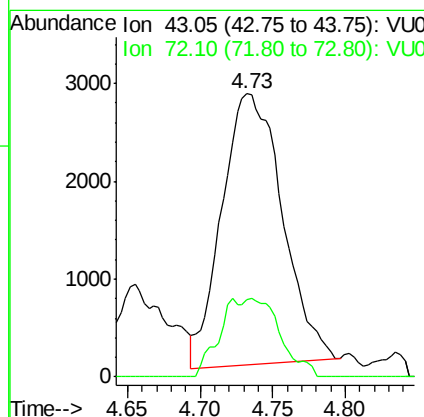
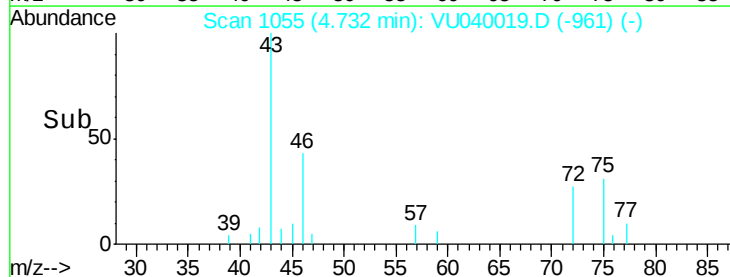
Acq: 02 Sep 2020 12:11

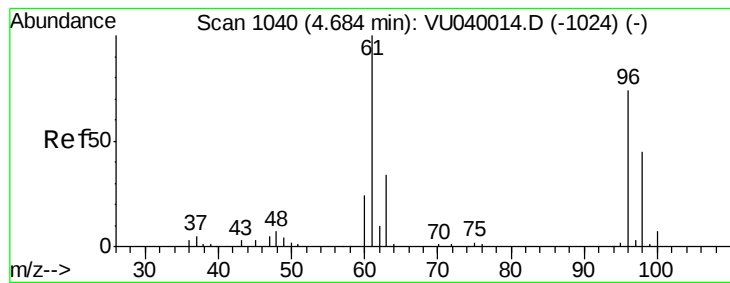
Tgt Ion:	43	Resp:	8052
Ion	Ratio	Lower	Upper
43	100		
72	11.6	11.7	35.0#



Abundance Ion 43.05 (42.75 to 43.75): VU040019.D (-961) (-)

Ion 72.10 (71.80 to 72.80): VU040019.D (-961) (-)





#22

cis-1,2-Dichloroethene

Concen: 0.240 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

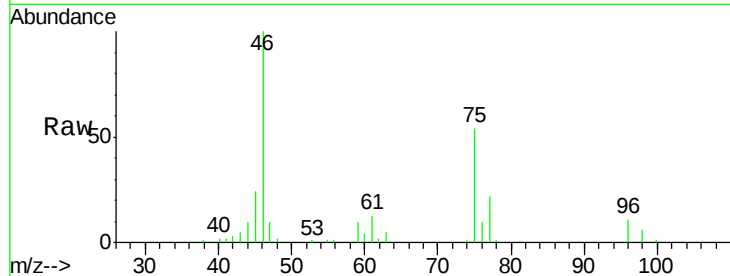
ClientSampleId :

MDL04

Tot Ion:	96	Resp:	2455
Ion	Ratio	Lower	Upper
96	100		
61	116.5	98.8	183.4
68	0.0	0.0	0.0

Manual Integrations
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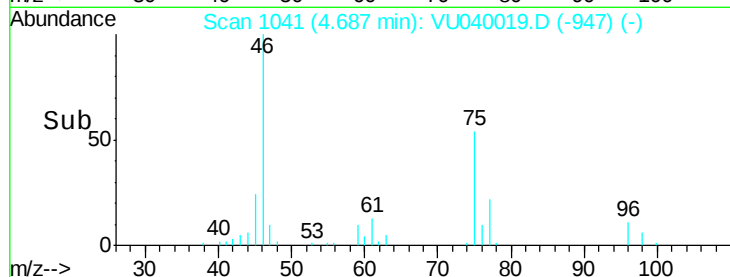


Abundance Ion 96.00 (95.70 to 96.70): VU040014.D (-1024) (-)

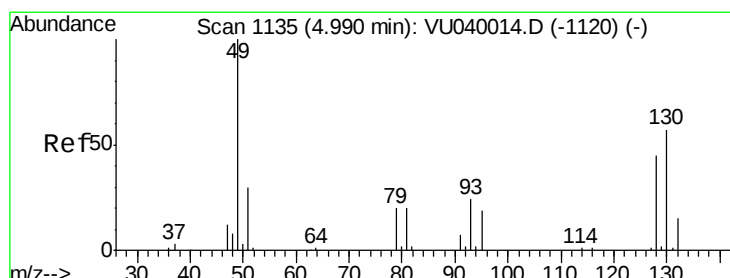
Ion 61.05 (60.75 to 61.75): VU040014.D (-1024) (-)

Ion 68.15 (67.85 to 68.85): VU040014.D (-1024) (-)

Time-->



Time-->



#23

Bromochloromethane

Concen: 0.197 ug/L

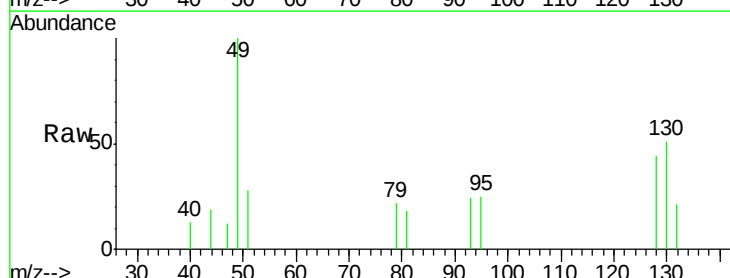
RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Tgt Ion:	128	Resp:	882
Ion	Ratio	Lower	Upper
128	100		
49	229.7	143.4	266.4
130	117.2	89.5	166.3
51	65.4	51.0	76.4



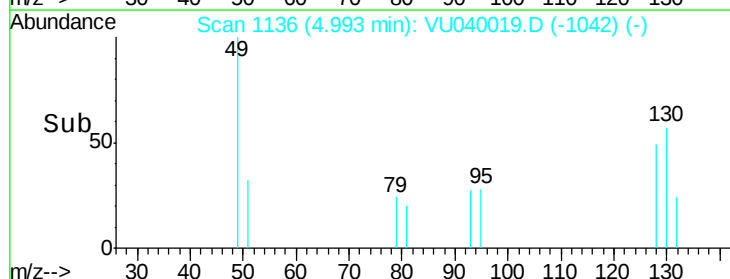
Abundance Ion 127.90 (127.60 to 128.60): VU040014.D (-1120) (-)

Ion 49.10 (48.80 to 49.80): VU040014.D (-1120) (-)

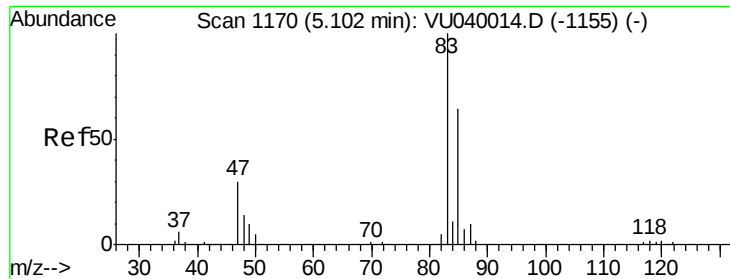
Ion 129.95 (129.65 to 130.65): VU040014.D (-1120) (-)

Ion 51.05 (50.75 to 51.75): VU040014.D (-1120) (-)

Time-->



Time-->



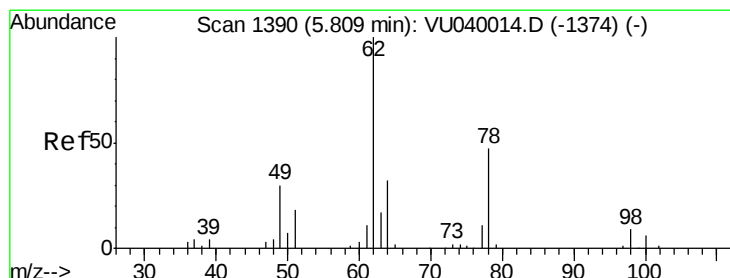
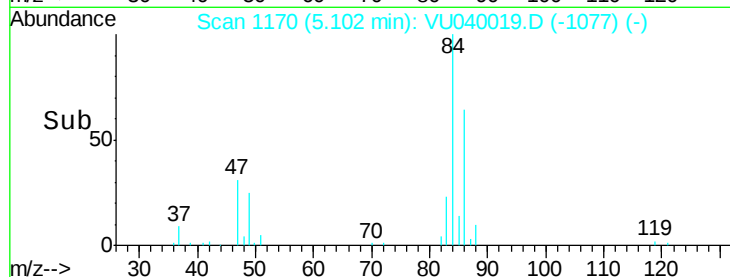
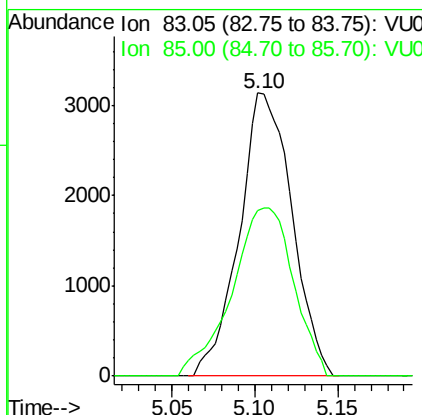
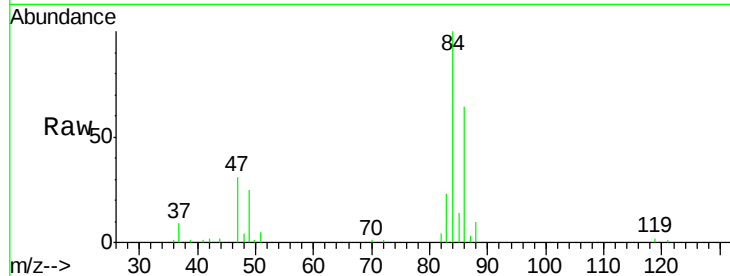
#25
Chloroform
Concen: 0.345 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	83	85	Resp	Lower	Upper
83	100				
85	58.5		45.3	84.1	

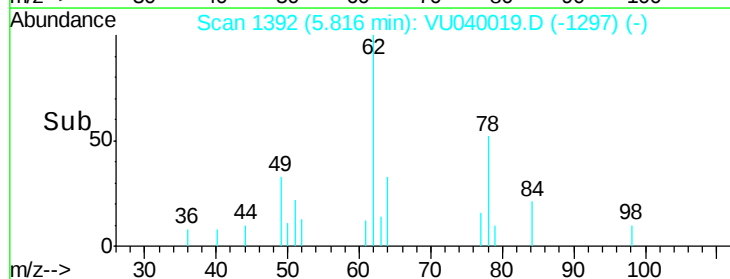
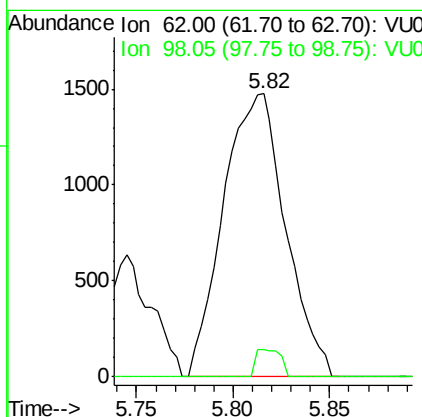
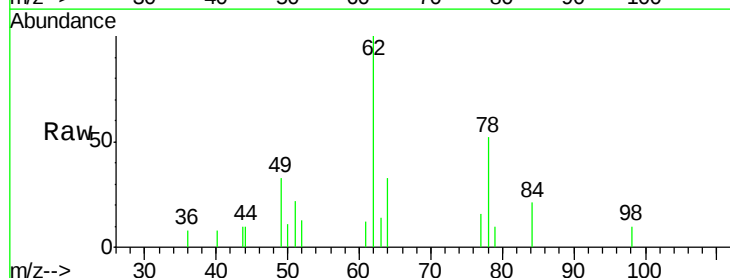
Manual Integrations
APPROVED

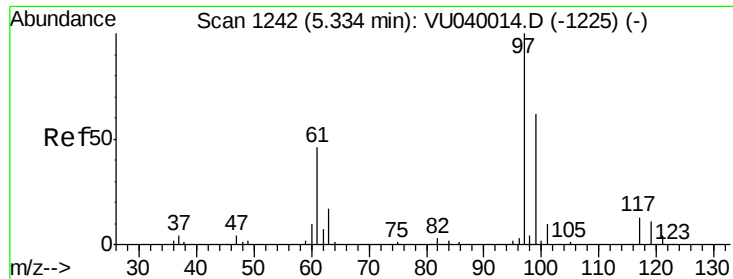
MMDadoda
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#27
1,2-Dichloroethane
Concen: 0.225 ug/L
RT: 5.82 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	62	98	Resp	Lower	Upper
62	100				
98	9.8		6.1	9.1#	





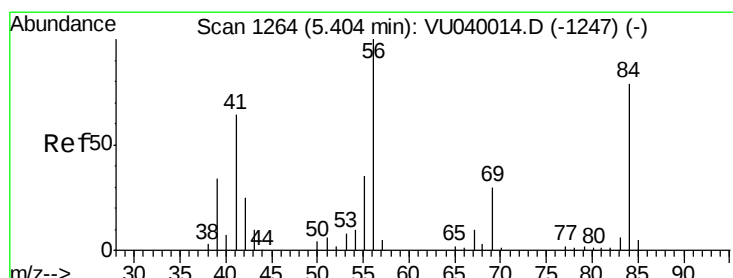
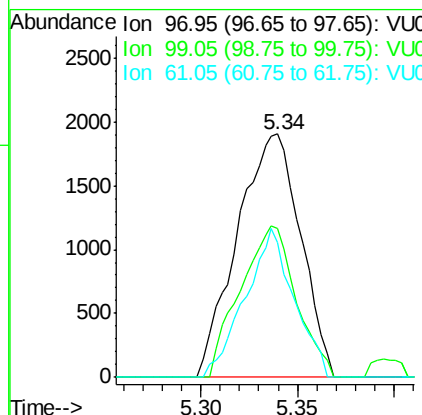
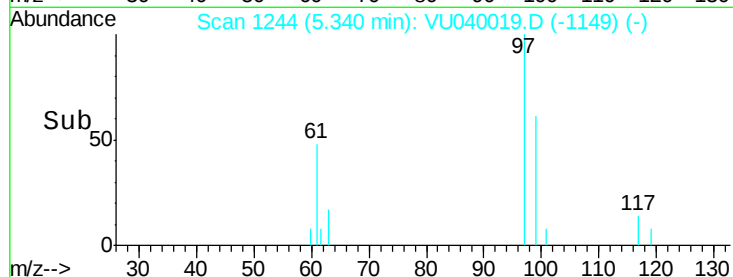
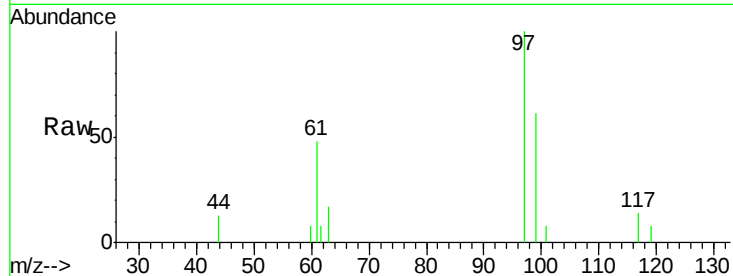
#29
1,1,1-Trichloroethane
Concen: 0.245 ug/L
RT: 5.34 min Scan# 1244
Delta R.T. 0.01 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampled :
MDL04

Tot Ion	Ratio	Lower	Upper
97	100		
99	55.0	50.9	76.3
61	47.1	39.5	59.3

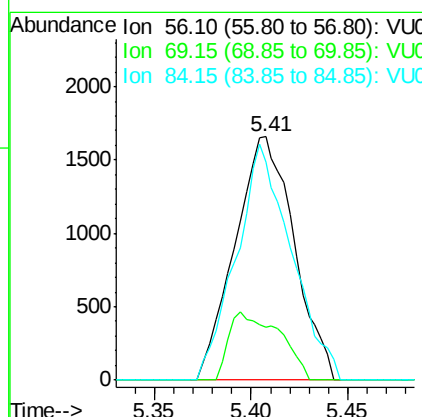
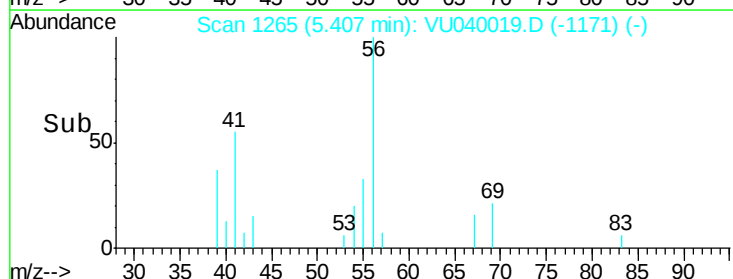
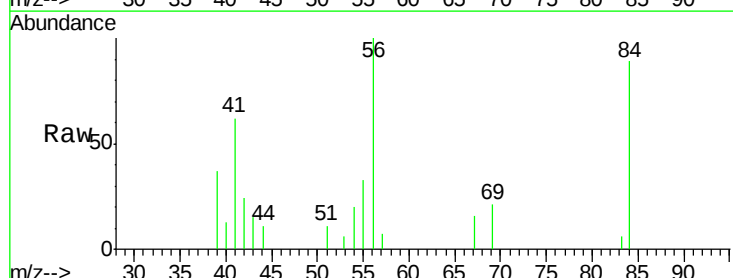
Manual Integrations
APPROVED

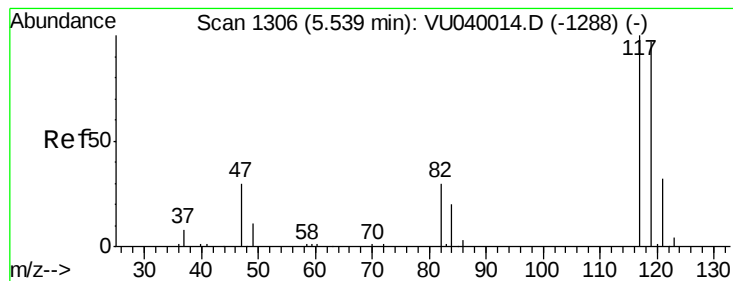
MMDadoda
9/4/2020 2:20:35 PM



#30
Cyclohexane
Concen: 0.206 ug/L
RT: 5.41 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
56	100		
69	23.9	24.1	36.1#
84	90.8	65.0	97.4





#31

Carbon tetrachloride

Concen: 0.220 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion:117 Resp: 3327

Ion Ratio Lower Upper

117 100

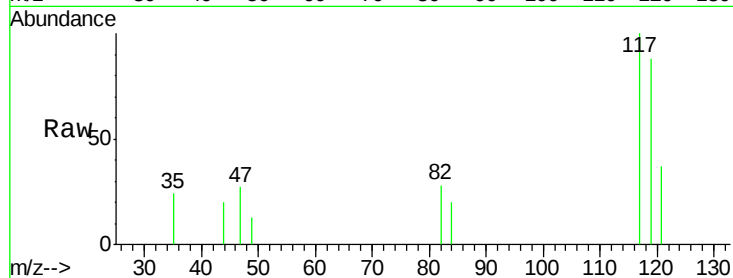
119 86.6 77.7 116.5

Manual Integrations

APPROVED

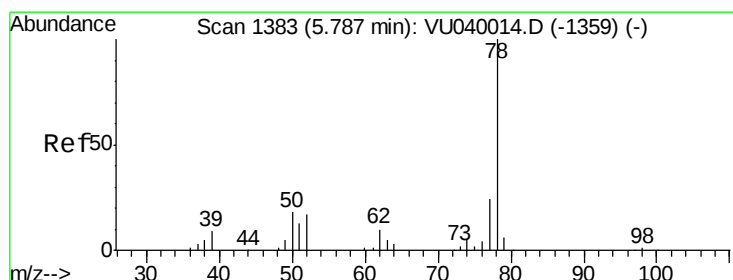
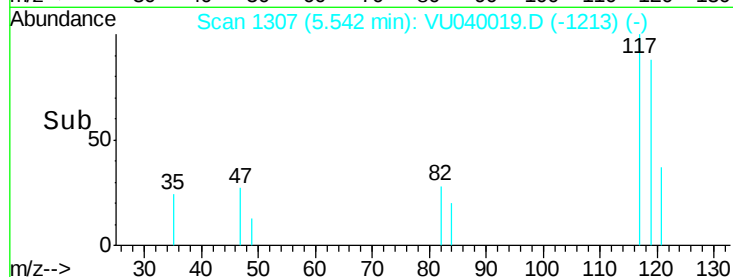
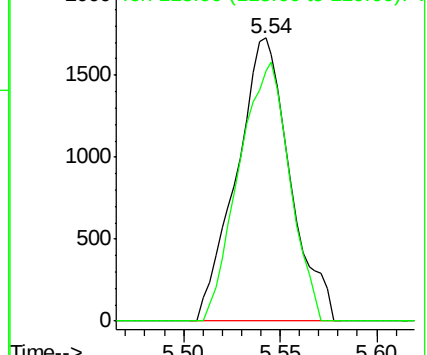
MMDadoda

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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.209 ug/L

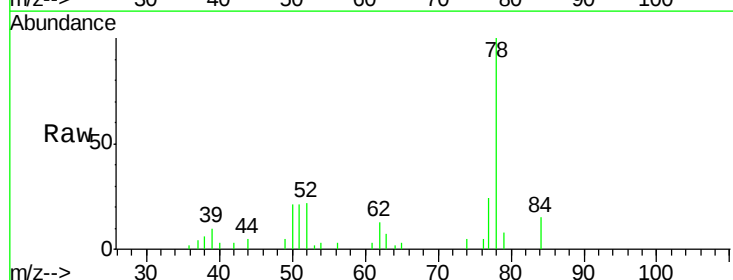
RT: 5.79 min Scan# 1384

Delta R.T. 0.00 min

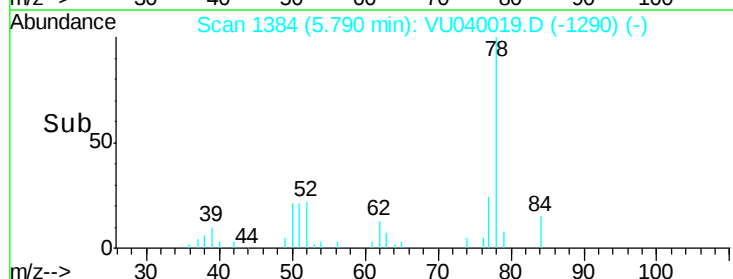
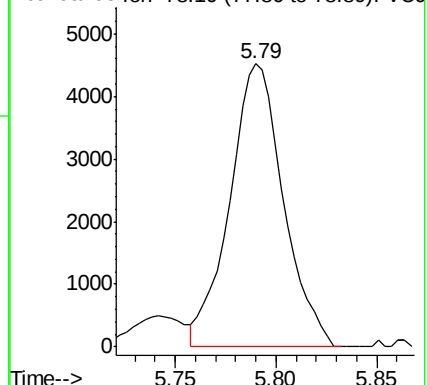
Lab File: VU040019.D

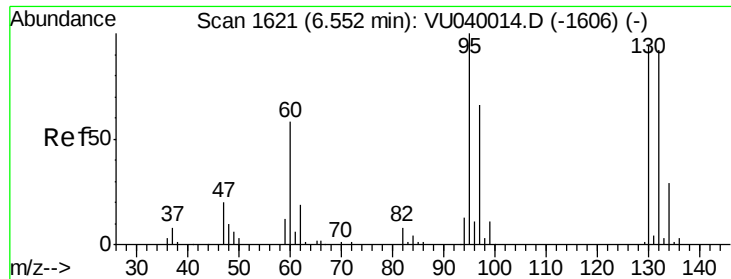
Acq: 02 Sep 2020 12:11

Tgt Ion: 78 Resp: 8406



Abundance Ion 78.10 (77.80 to 78.80): VU0





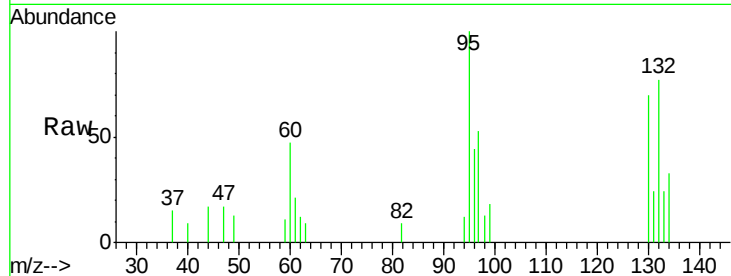
#34
 Trichloroethene
 Concen: 0.222 ug/L
 RT: 6.55 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:	95	Resp:	2391
Ion	Ratio	Lower	Upper
95	100		
97	53.3	43.3	80.5
132	76.8	59.4	110.4
130	69.9	64.8	120.4

Manual Integrations
 APPROVED

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 9/4/2020 2:20:35 PM

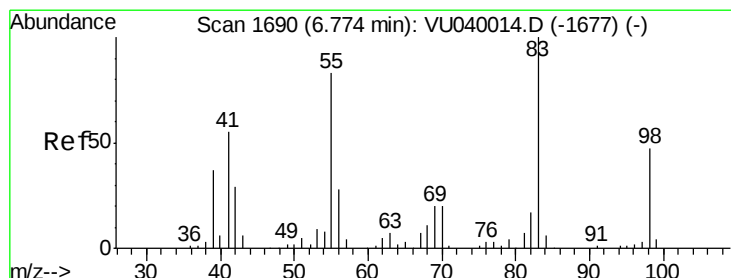
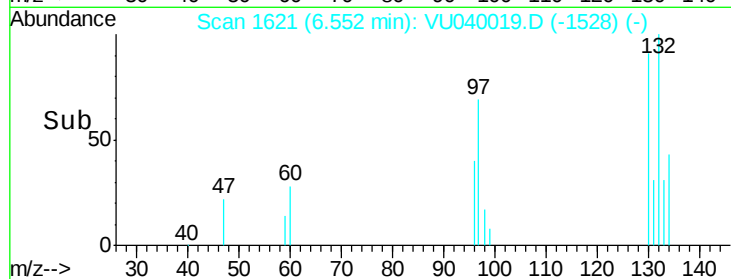
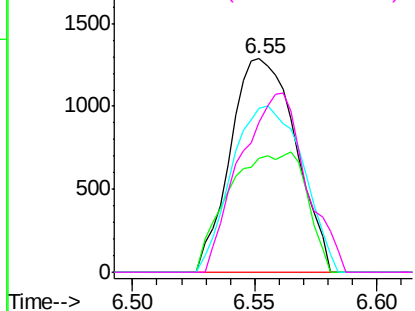


Abundance Ion 95.00 (94.70 to 95.70): VU040019.D (-1528) (-)

Ion 96.95 (96.65 to 97.65): VU040019.D (-1528) (-)

Ion 131.95 (131.65 to 132.65): VU040019.D (-1528) (-)

Ion 129.95 (129.65 to 130.65): VU040019.D (-1528) (-)



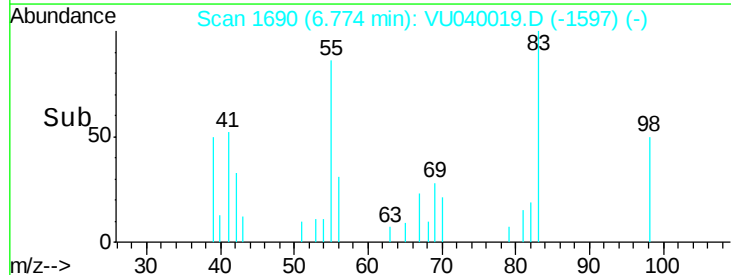
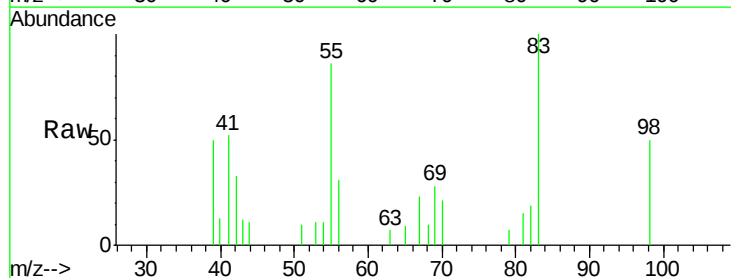
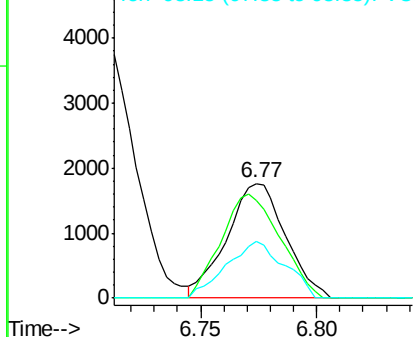
#35
 Methylcyclohexane
 Concen: 0.188 ug/L
 RT: 6.77 min Scan# 1690
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

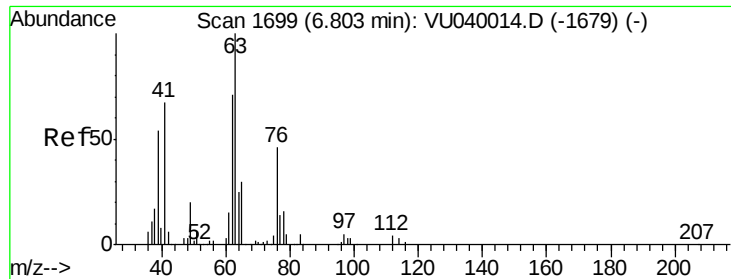
Tgt Ion:	83	Resp:	3097
Ion	Ratio	Lower	Upper
83	100		
55	91.4	70.5	105.7
98	49.3	37.8	56.6

Abundance Ion 83.15 (82.85 to 83.85): VU040019.D (-1597) (-)

Ion 55.10 (54.80 to 55.80): VU040019.D (-1597) (-)

Ion 98.15 (97.85 to 98.85): VU040019.D (-1597) (-)





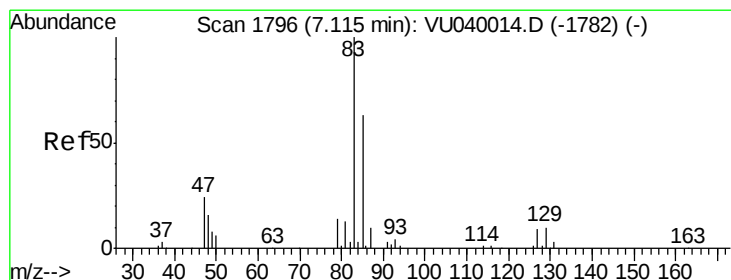
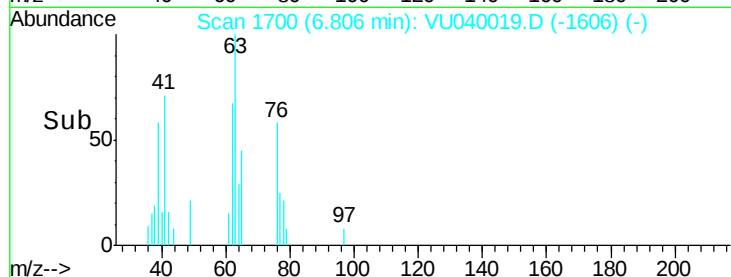
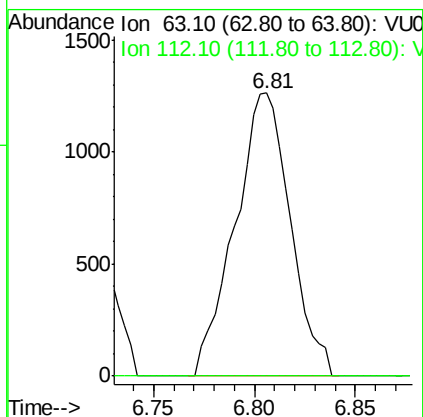
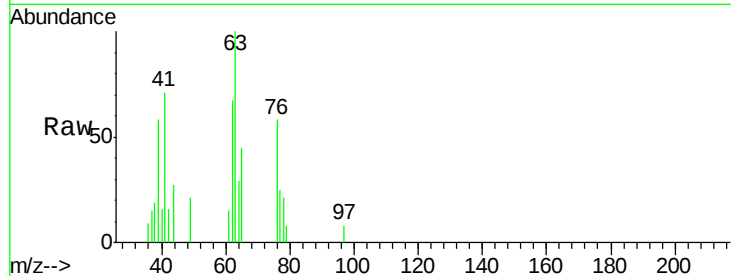
#37
 1,2-Dichloropropane
 Concen: 0.223 ug/L
 RT: 6.81 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 63 Resp: 2426
 Ion Ratio Lower Upper
 63 100
 112 0.8 3.2 4.8#

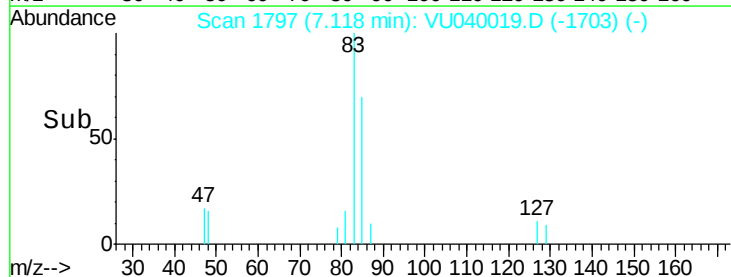
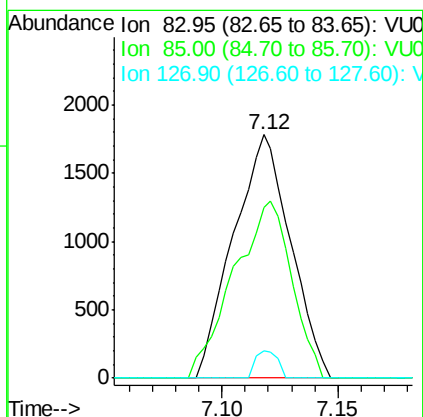
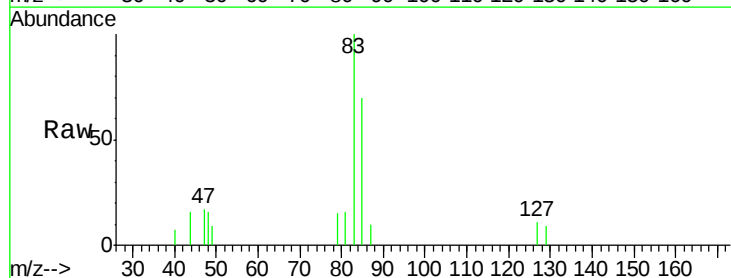
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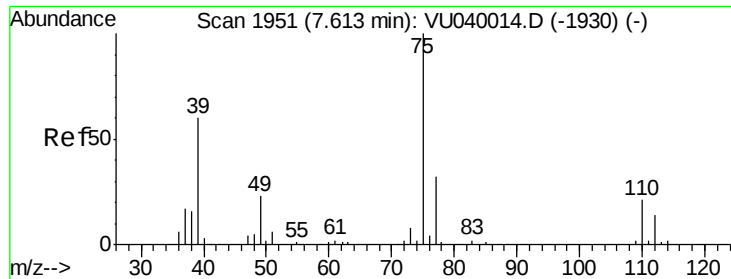
MMDadoda
 9/4/2020 2:20:35 PM



#38
 Bromodichloromethane
 Concen: 0.205 ug/L
 RT: 7.12 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion: 83 Resp: 3052
 Ion Ratio Lower Upper
 83 100
 85 70.2 45.1 83.9
 127 11.0 6.7 10.1#





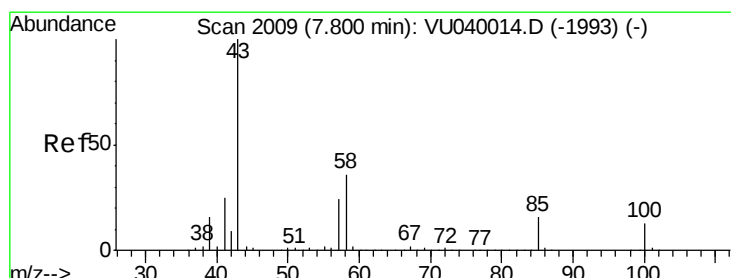
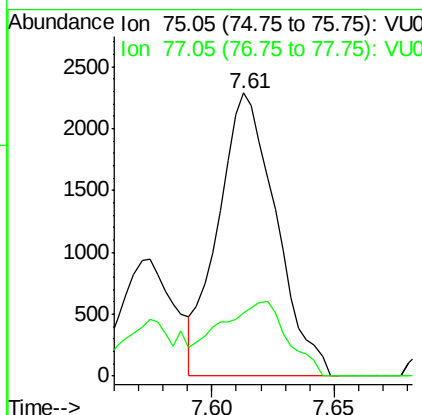
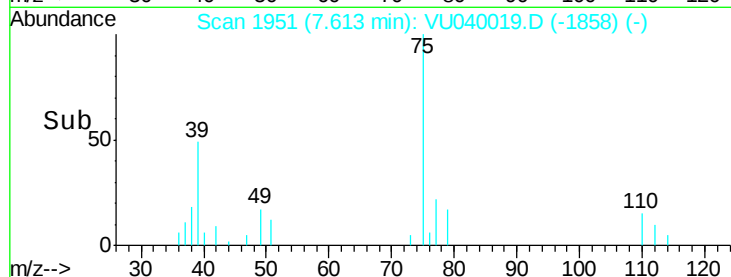
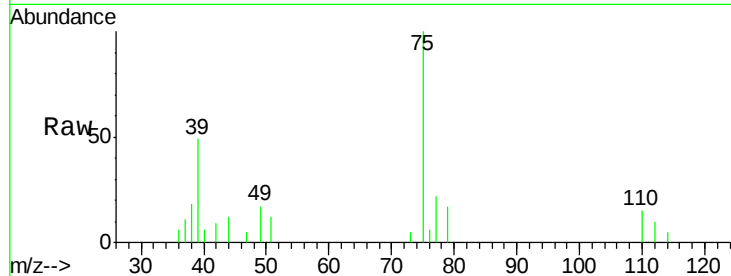
#39
 cis-1,3-Dichloropropene
 Concen: 0.235 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion: 75 Resp: 3775
 Ion Ratio Lower Upper
 75 100
 77 22.4 21.1 39.3

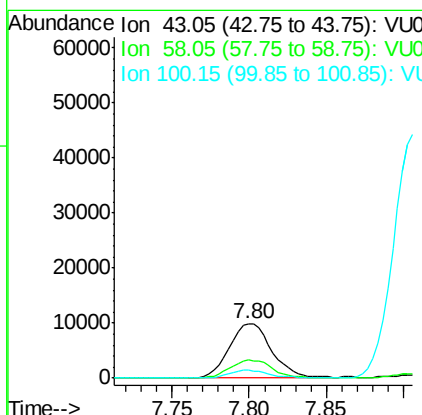
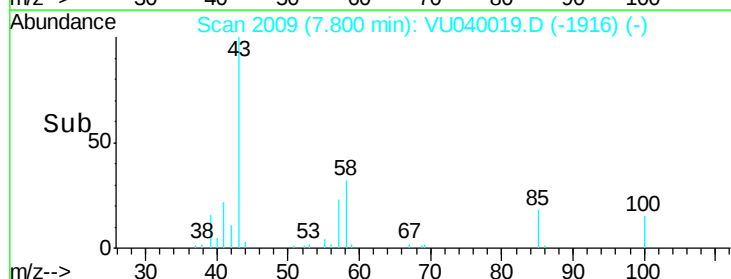
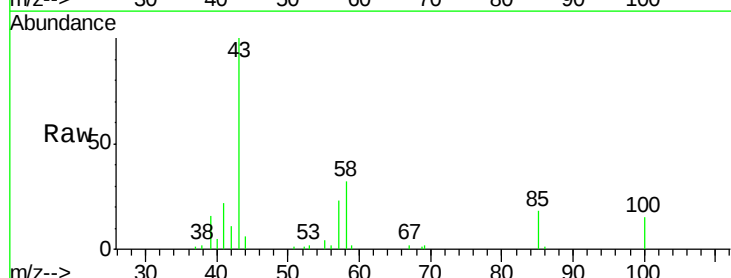
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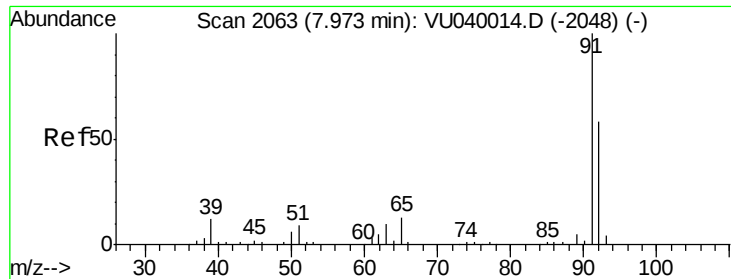
MMDadoda
 9/4/2020 2:20:35 PM



#40
 4-Methyl-2-pentanone
 Concen: 2.123 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion: 43 Resp: 18948
 Ion Ratio Lower Upper
 43 100
 58 33.1 28.7 43.1
 100 13.2 10.2 15.2





#42

Toluene

Concen: 0.216 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 91 Resp: 8946

Ion Ratio Lower Upper

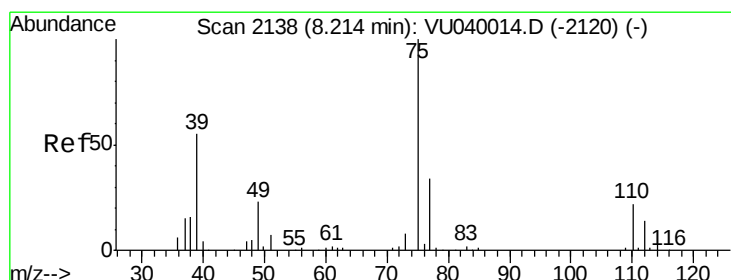
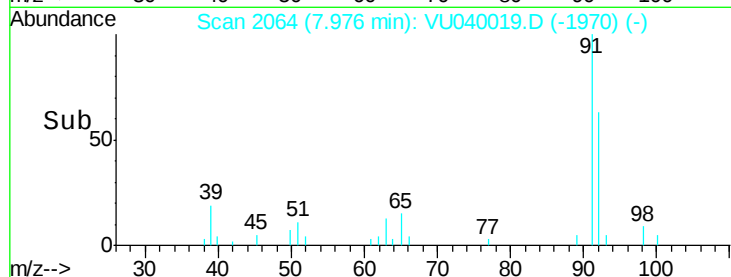
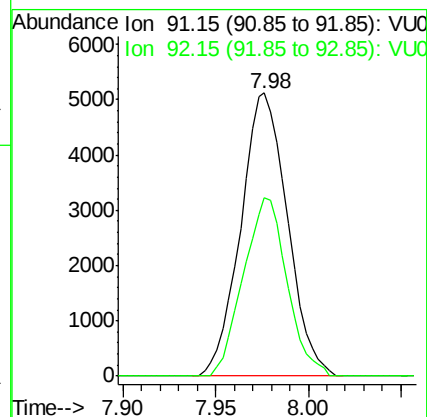
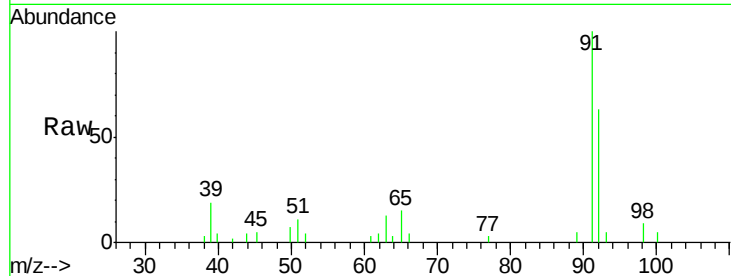
91 100

92 63.2 40.7 75.5

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#44

trans-1,3-Dichloropropene

Concen: 0.211 ug/L m

RT: 8.22 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU040019.D

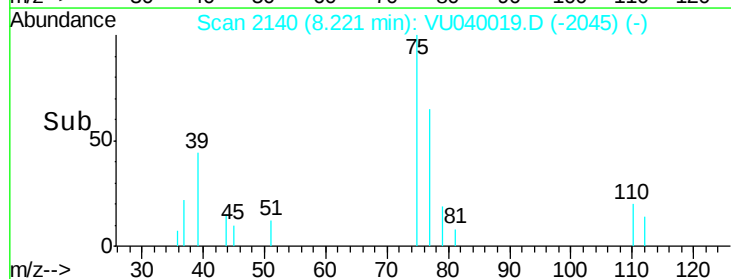
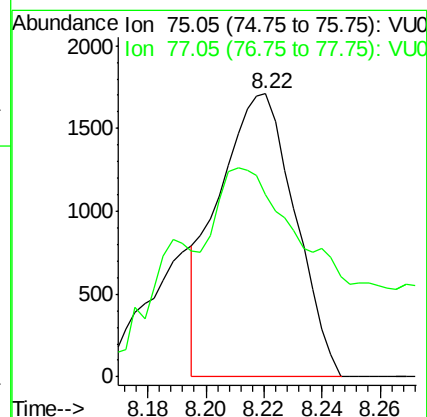
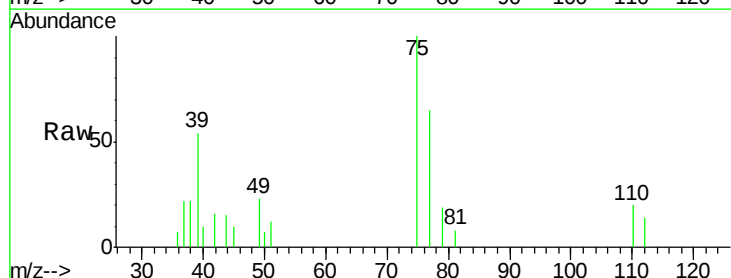
Acq: 02 Sep 2020 12:11

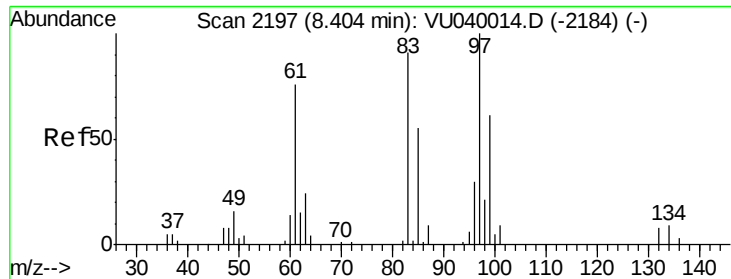
Tgt Ion: 75 Resp: 3132

Ion Ratio Lower Upper

75 100

77 64.6 23.9 44.3#





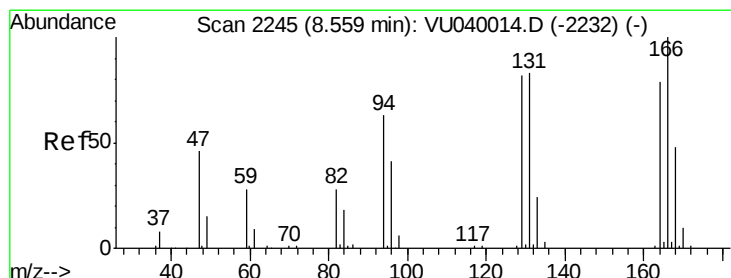
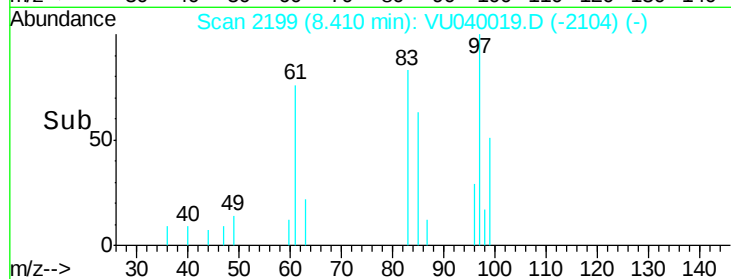
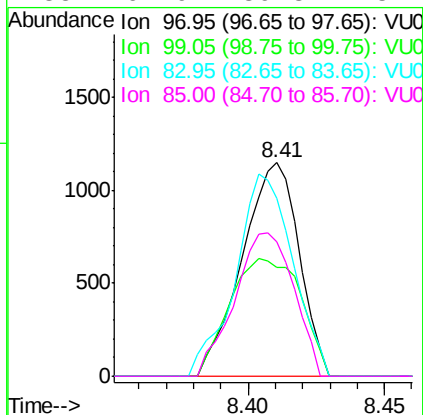
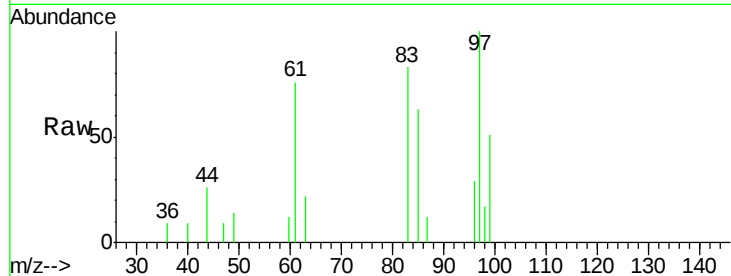
#45
 1,1,2-Trichloroethane
 Concen: 0.210 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion:	97	Resp:	1662
Ion	Ratio	Lower	Upper
97	100		
99	51.0	43.0	79.8
83	83.5	61.7	114.7
85	62.9	39.3	73.1

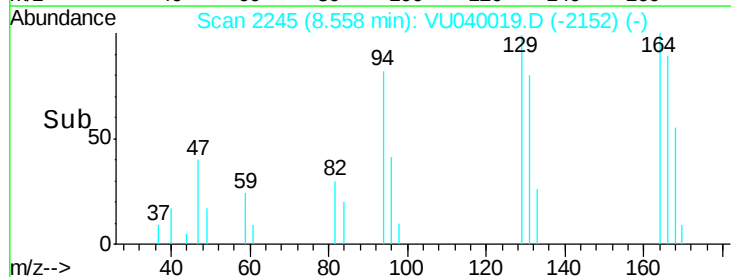
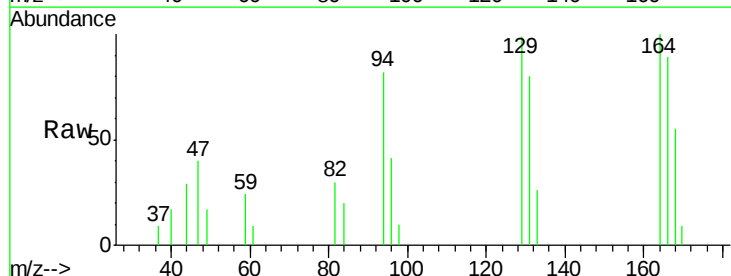
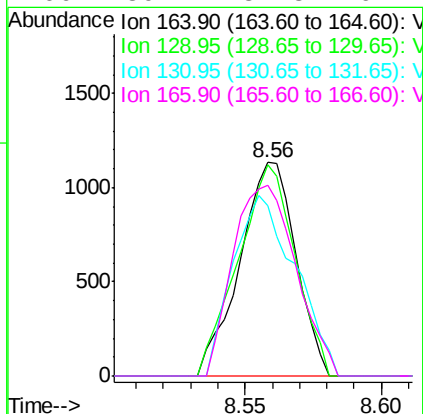
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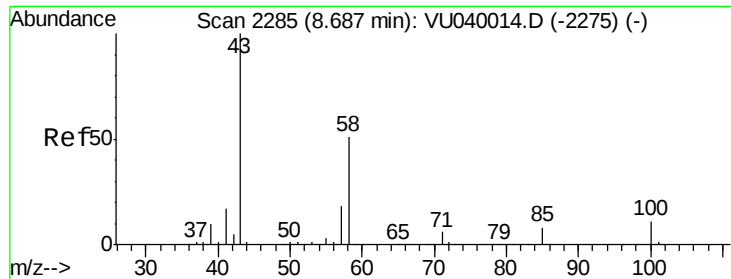
MMDadoda
 9/4/2020 2:20:35 PM



#47
 Tetrachloroethene
 Concen: 0.228 ug/L
 RT: 8.56 min Scan# 2245
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion:	164	Resp:	1612
Ion	Ratio	Lower	Upper
164	100		
129	98.9	71.5	132.7
131	79.9	65.9	122.5
166	89.1	87.3	162.1





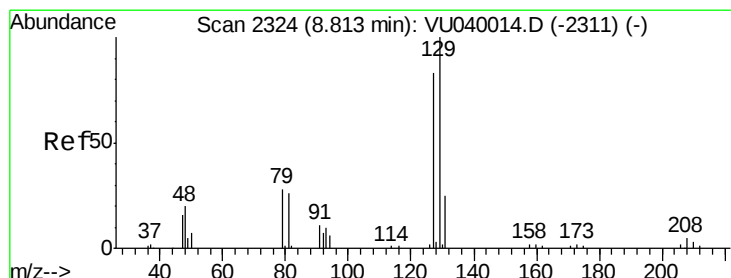
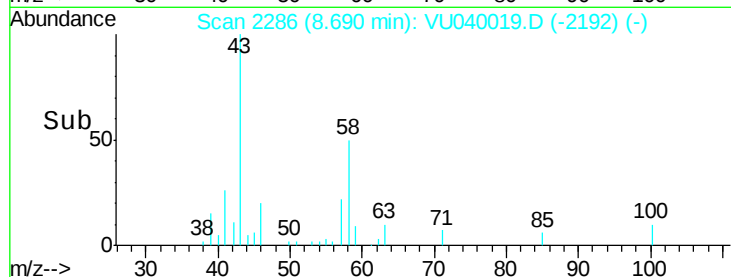
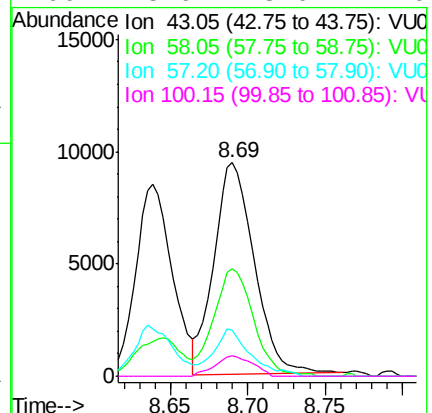
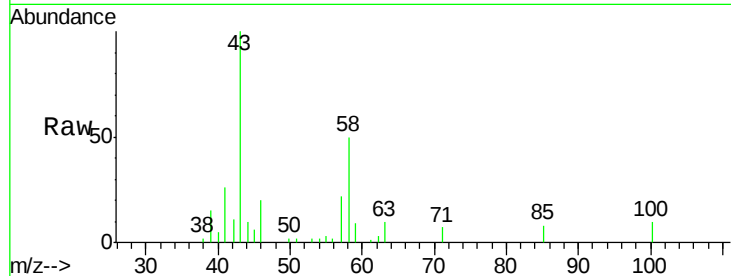
#48
2-Hexanone
Concen: 2.641 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	39.6	59.4
57	20.1	14.3	21.5
100	8.9	8.0	12.0

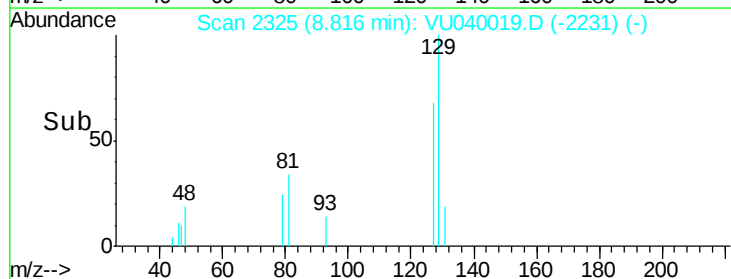
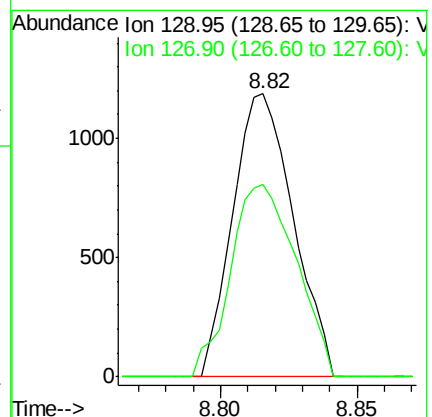
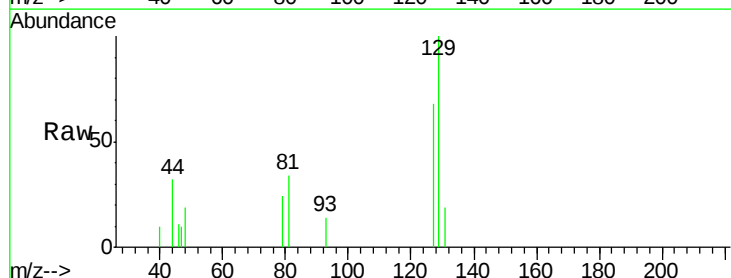
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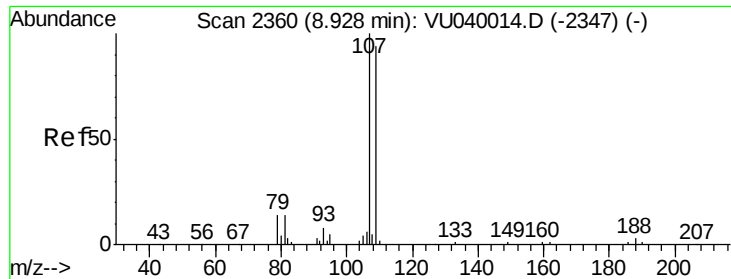
MMDadoda
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#49
Dibromochloromethane
Concen: 0.192 ug/L
RT: 8.82 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.8	53.7	99.7





#50

1,2-Dibromoethane

Concen: 0.208 ug/L

RT: 8.92 min Scan# 2359

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

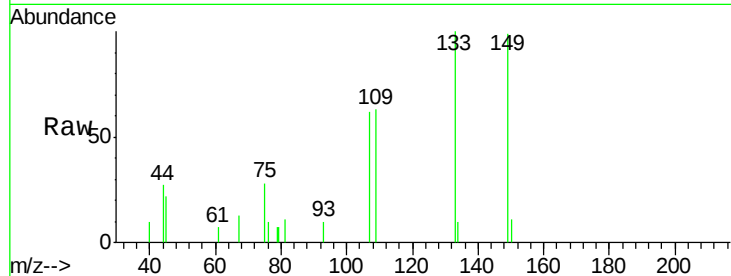
ClientSampleId :

MDL04

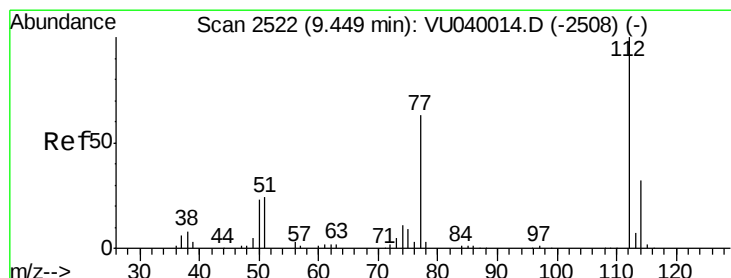
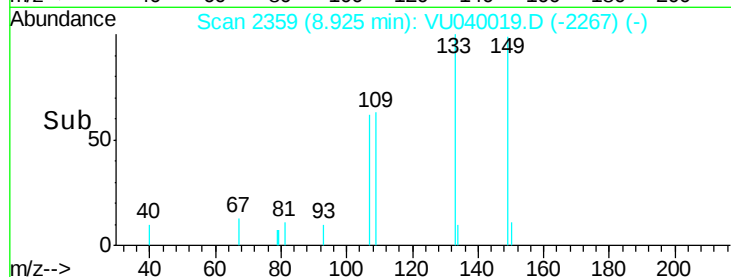
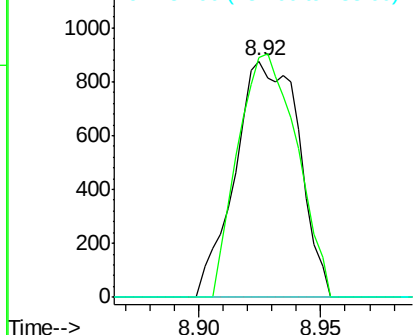
Tot Ion:	107	Resp:	1590
Ion Ratio	Lower	Upper	
107	100		
109	101.7	62.4	115.8
188	0.0	2.3	3.5#

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Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 0.224 ug/L

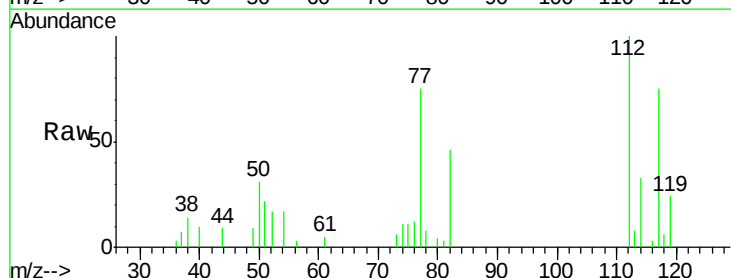
RT: 9.45 min Scan# 2522

Delta R.T. -0.00 min

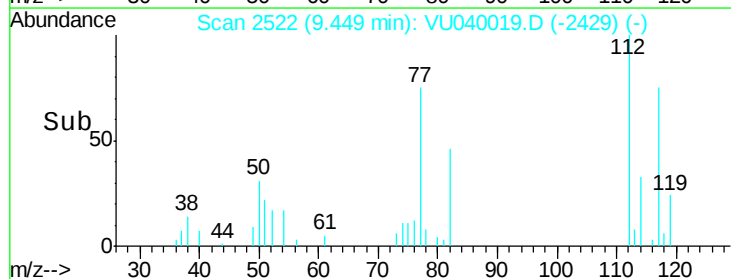
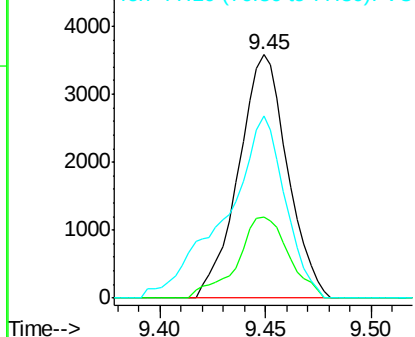
Lab File: VU040019.D

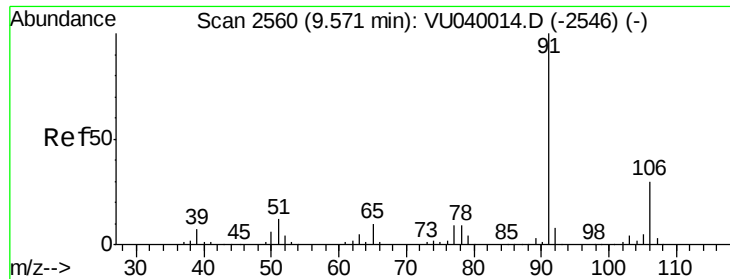
Acq: 02 Sep 2020 12:11

Tgt Ion:	112	Resp:	5763
Ion Ratio	Lower	Upper	
112	100		
114	33.3	22.7	42.3
77	74.7	53.2	79.8



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 0.211 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Tot Ion: 91 Resp: 9928

Ion Ratio Lower Upper

91 100

106 32.5 21.0 39.0

Instrument :

MSVOA_U

ClientSampled :

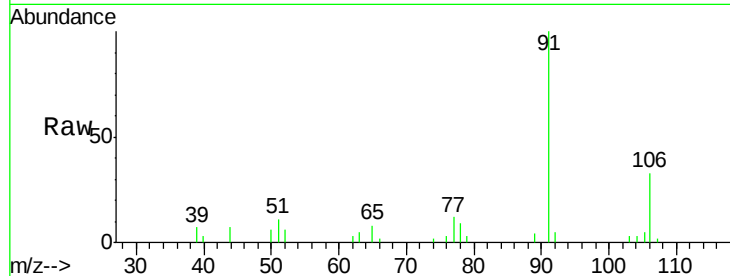
MDL04

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Abundance Ion 91.15 (90.85 to 91.85): VU040019.D (-2467) (-)

Ion 106.15 (105.85 to 106.85): VU040019.D (-2467) (-)

9.57

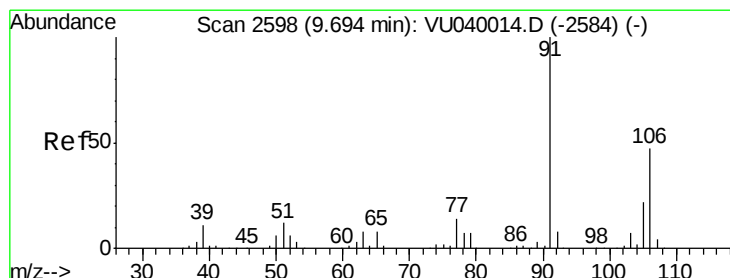
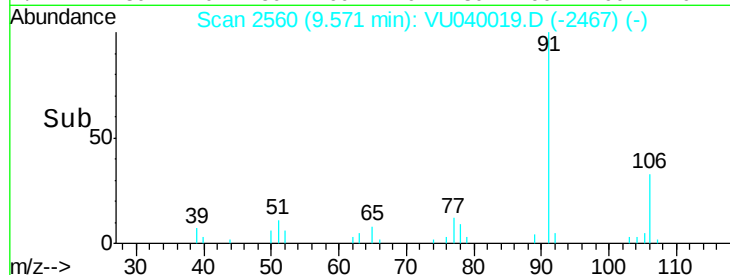
6000

4000

2000

0

Time--> 9.50 9.55 9.60



#53

m,p-Xylene

Concen: 0.206 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VU040019.D

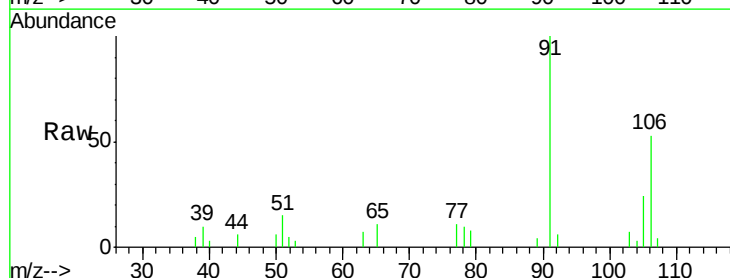
Acq: 02 Sep 2020 12:11

Tgt Ion: 106 Resp: 3455

Ion Ratio Lower Upper

106 100

91 187.0 151.7 281.7



Abundance Ion 106.15 (105.85 to 106.85): VU040019.D (-2505) (-)

Ion 91.15 (90.85 to 91.85): VU040019.D (-2505) (-)

9.69

4000

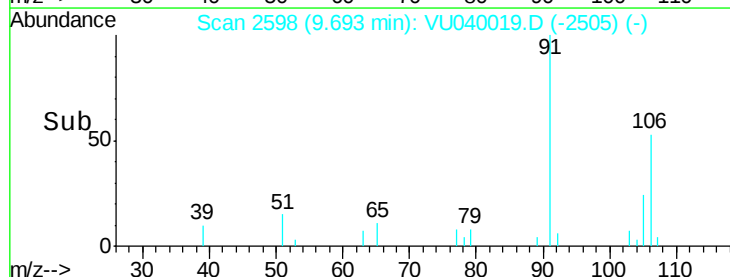
3000

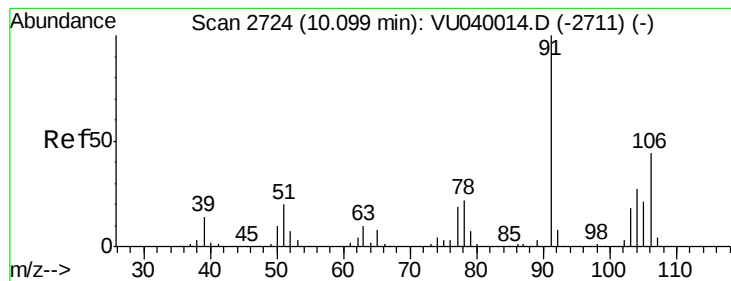
2000

1000

0

Time--> 9.65 9.70 9.75





#54

o-Xylene

Concen: 0.208 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampled :

MDL04

Tot Ion:106 Resp: 3317

Ion Ratio Lower Upper

106 100

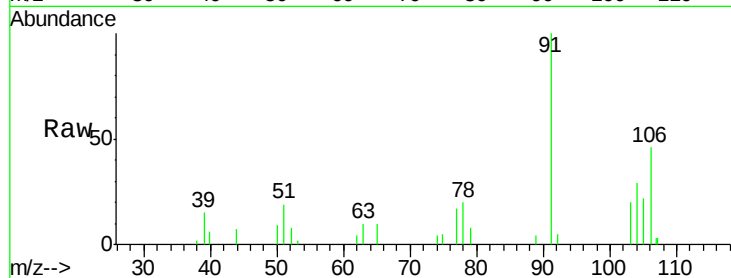
91 219.0 160.8 298.6

Manual Integrations

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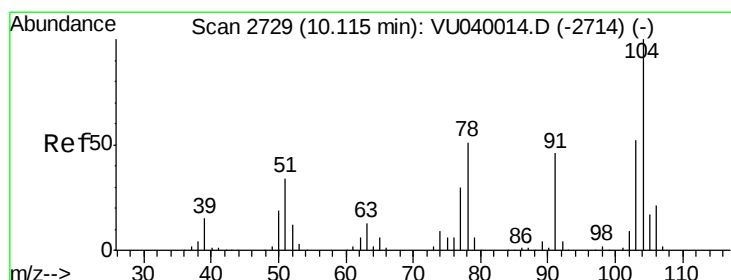
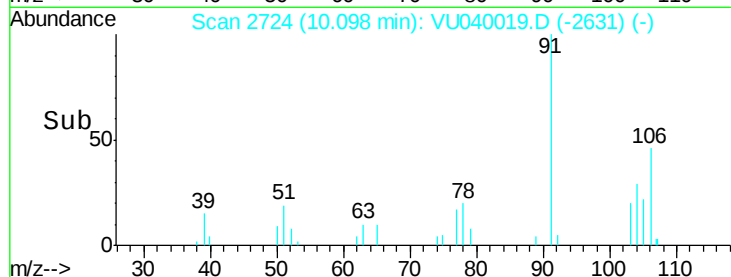
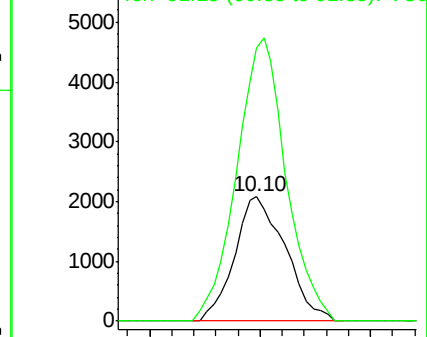
MMDadoda

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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: 0.196 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. -0.00 min

Lab File: VU040019.D

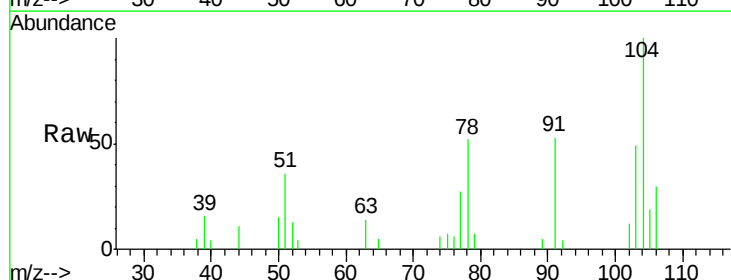
Acq: 02 Sep 2020 12:11

Tgt Ion:104 Resp: 5450

Ion Ratio Lower Upper

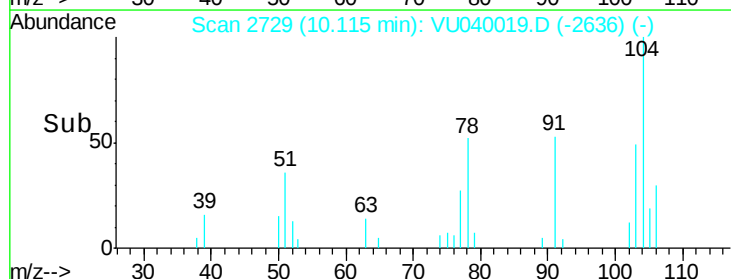
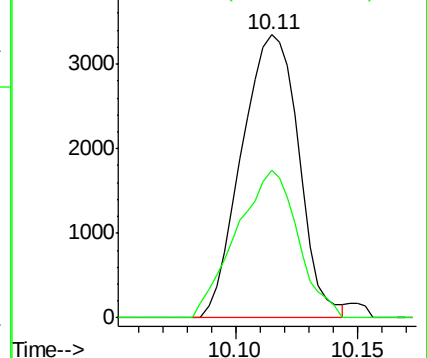
104 100

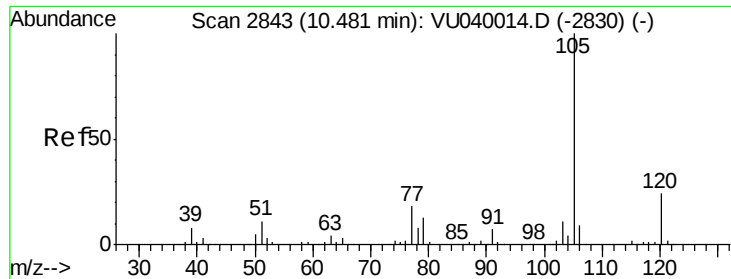
78 52.1 36.8 68.3



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VU0





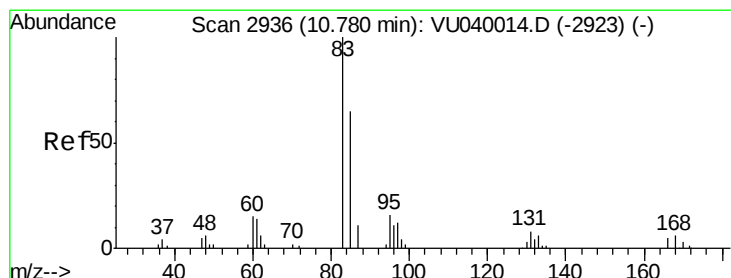
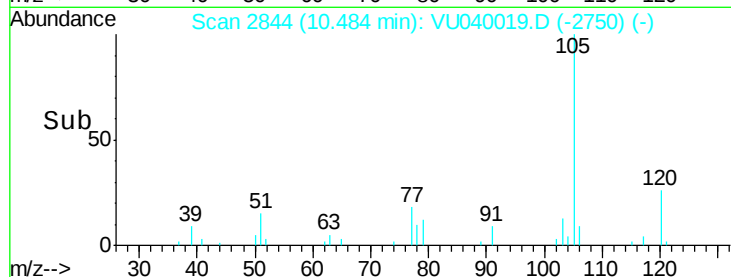
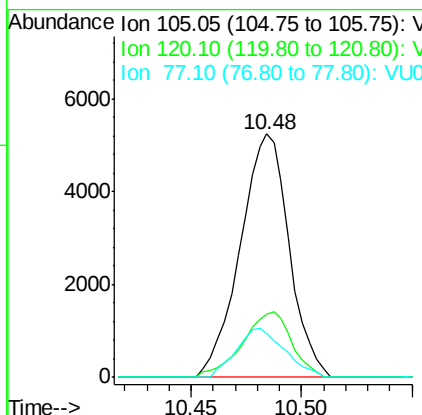
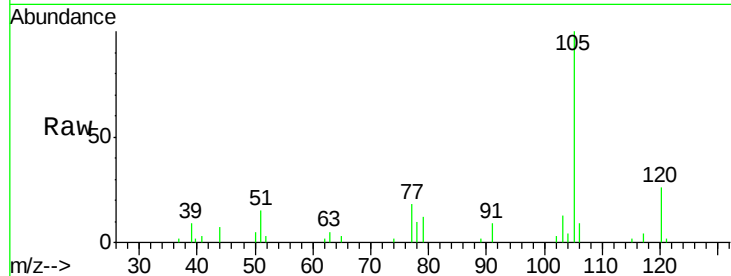
#56
Isopropylbenzene
Concen: 0.185 ug/L
RT: 10.48 min Scan# 2844
Delta R.T. 0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.1	30.1
77	19.8	14.4	21.6

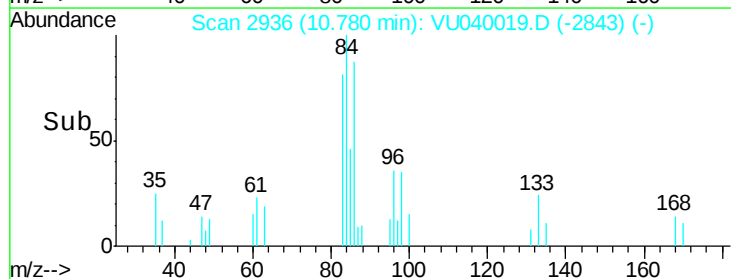
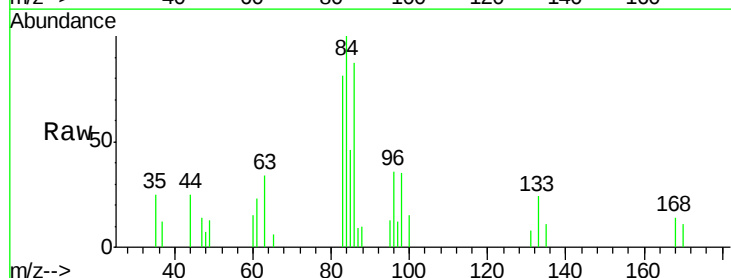
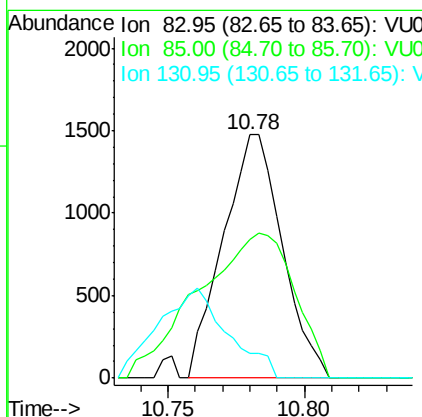
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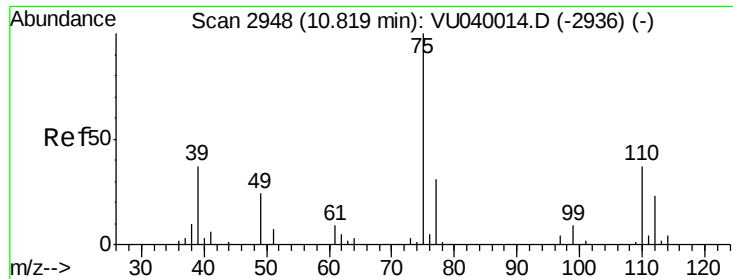
MMDadoda
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#58
1,1,2,2-Tetrachloroethane
Concen: 0.218 ug/L
RT: 10.78 min Scan# 2936
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.1	44.9	83.3
131	10.0	7.4	11.0





#59

1,2,3-Trichloropropane

Concen: 0.231 ug/L m

RT: 10.82 min Scan# 2948

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

ClientSampleId :

MDL04

Tot Ion: 75 Resp: 1864

Ion Ratio Lower Upper

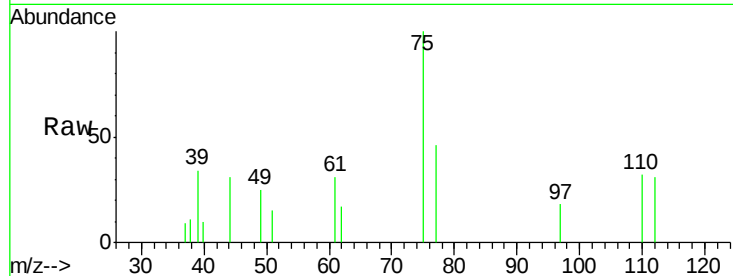
75 100

77 180.6 24.9 37.3#

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Abundance Ion 75.00 (74.70 to 75.70): VU040019.D (-2936) (-)

Ion 77.00 (76.70 to 77.70): VU040019.D (-2936) (-)

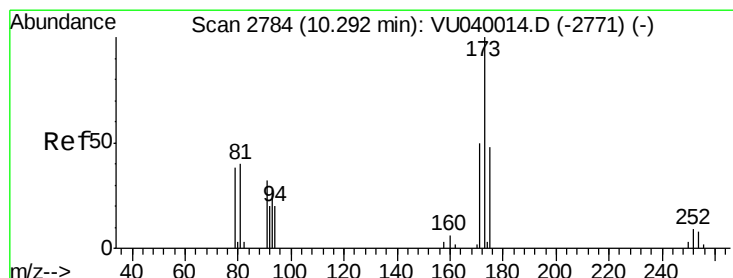
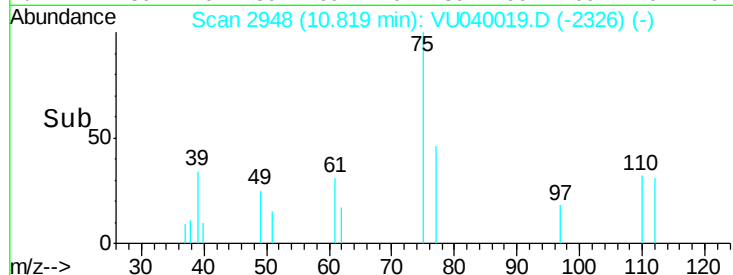
10.82

1000

500

0

Time-->



#61

Bromoform

Concen: 0.185 ug/L

RT: 10.29 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

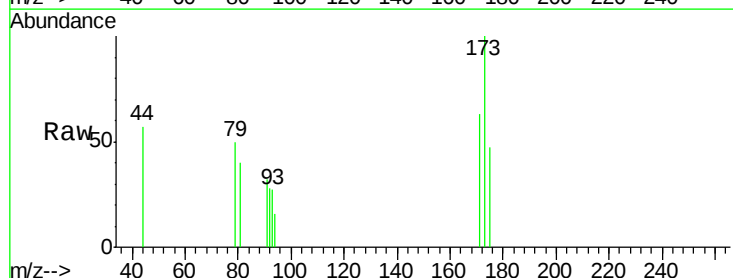
Tgt Ion: 173 Resp: 887

Ion Ratio Lower Upper

173 100

175 67.9 37.8 56.6#

254 0.0 6.8 10.2#



Abundance Ion 172.90 (172.60 to 173.60): VU040019.D (-2691) (-)

Ion 174.90 (174.60 to 175.60): VU040019.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VU040019.D (-2691) (-)

800

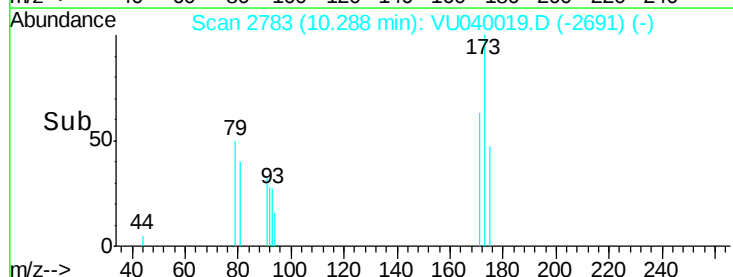
600

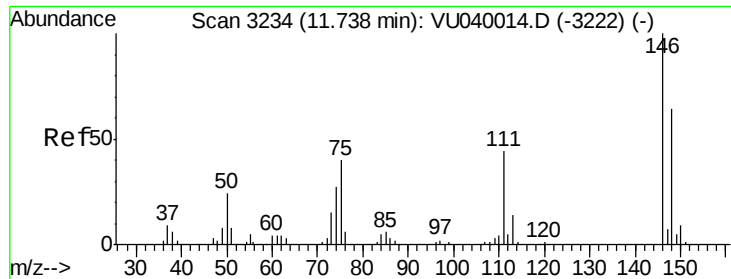
400

200

0

Time-->





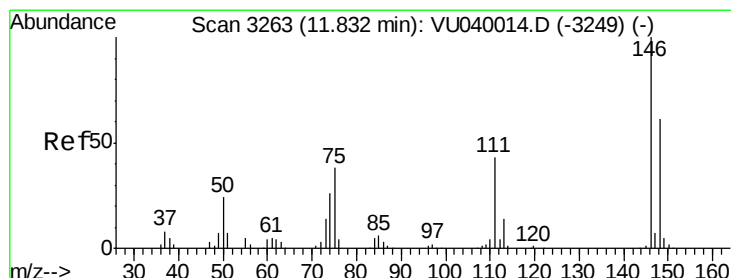
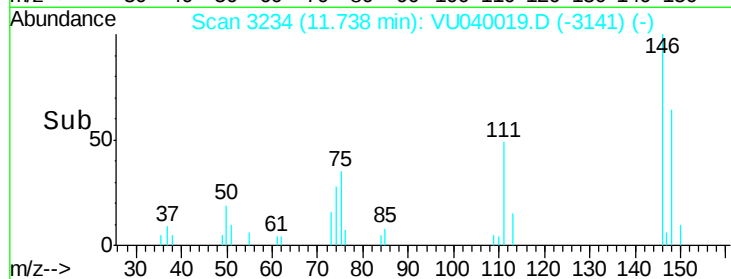
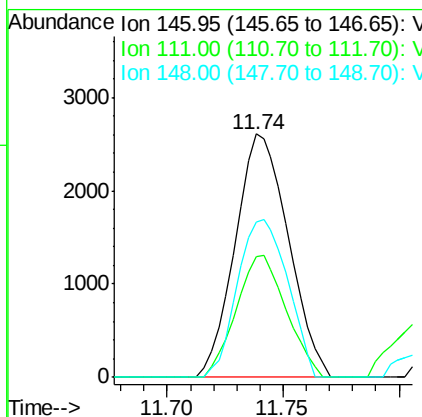
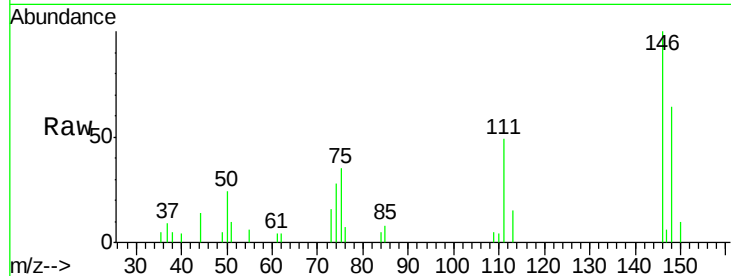
#62
 1,3-Dichlorobenzene
 Concen: 0.218 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL04

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.4	31.6	58.8
148	63.6	44.2	82.0

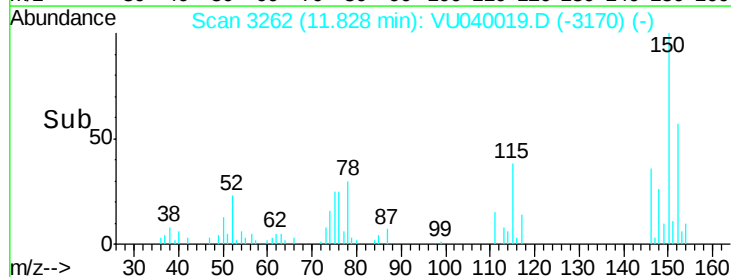
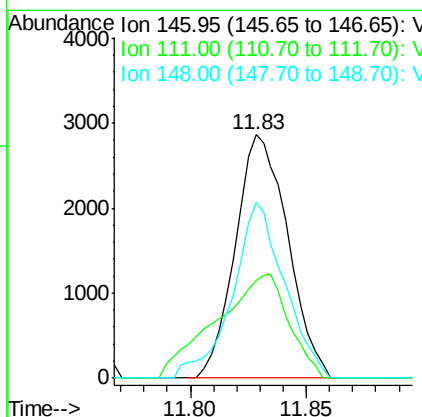
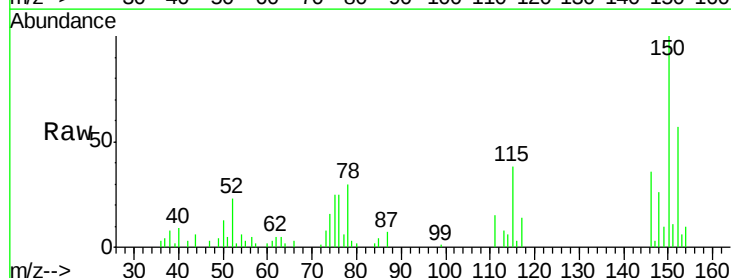
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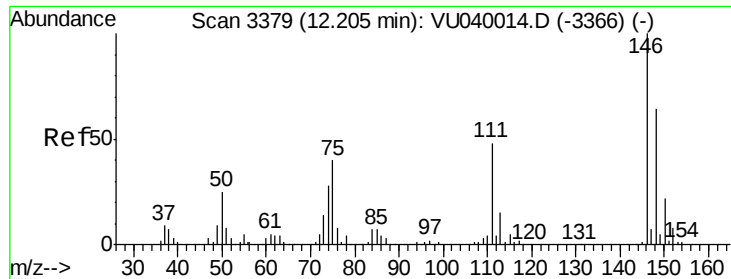
MMDadoda
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#63
 1,4-Dichlorobenzene
 Concen: 0.232 ug/L
 RT: 11.83 min Scan# 3262
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	30.5	56.7
148	72.4	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 0.244 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040019.D

Acq: 02 Sep 2020 12:11

Instrument :

MSVOA_U

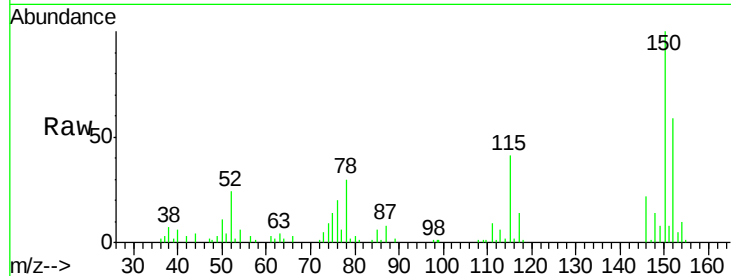
ClientSampleId :

MDL04

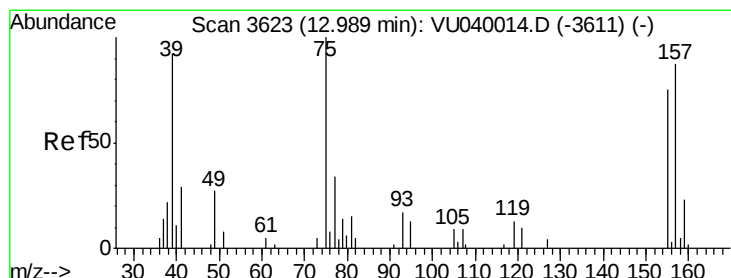
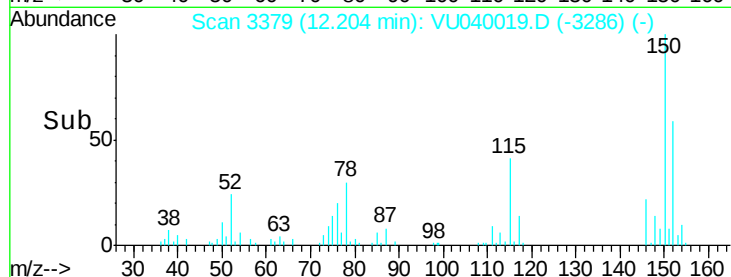
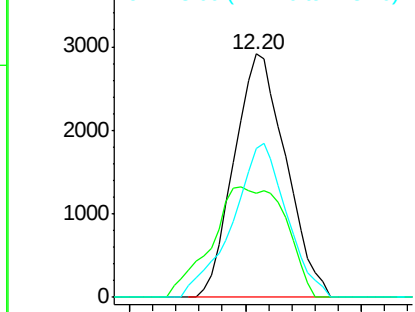
Tot Ion:	146	Resp:	4507
Ion	Ratio	Lower	Upper
146	100		
111	42.8	36.5	54.7
148	60.9	48.6	72.8

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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: 0.176 ug/L

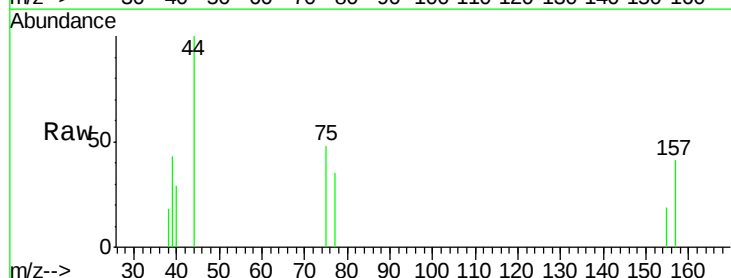
RT: 12.99 min Scan# 3623

Delta R.T. -0.00 min

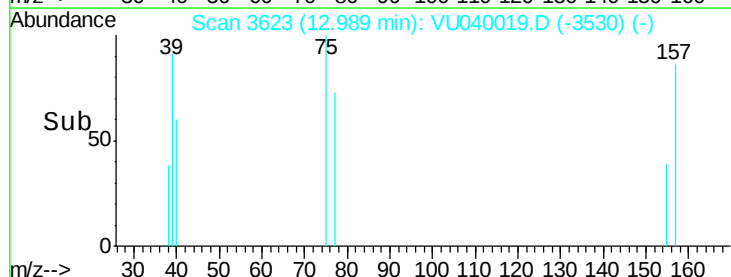
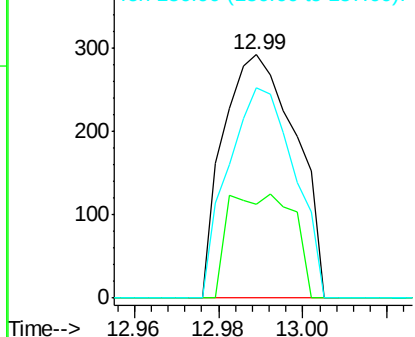
Lab File: VU040019.D

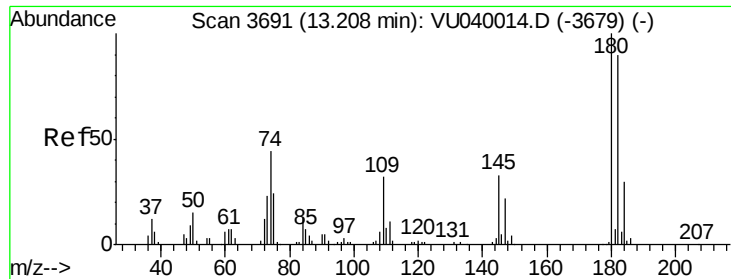
Acq: 02 Sep 2020 12:11

Tgt Ion:	75	Resp:	347
Ion	Ratio	Lower	Upper
75	100		
155	38.7	54.6	82.0#
157	86.3	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





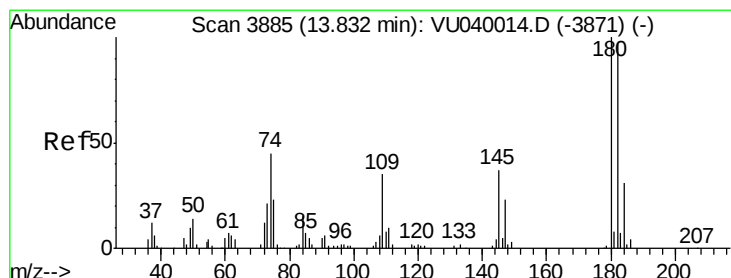
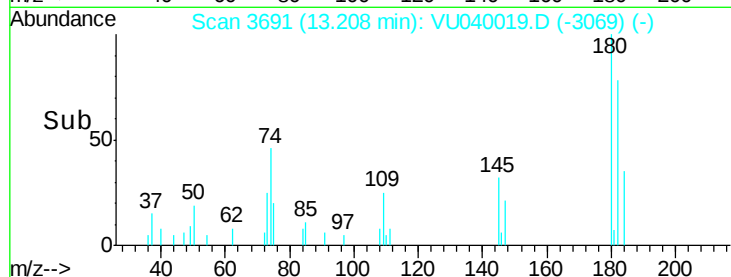
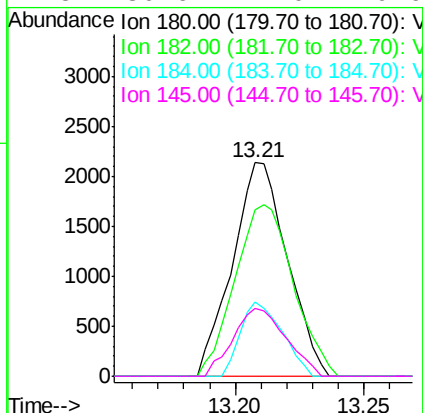
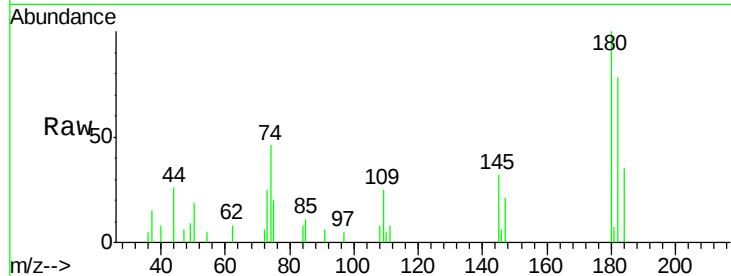
#67
 1,3,5-Trichlorobenzene
 Concen: 0.237 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Instrument :
 MSVOA_U
 ClientSampled :
 MDL04

Tot Ion:	180	Resp:	3175
Ion Ratio	Lower	Upper	
180	100		
182	85.2	76.9	115.3
184	26.6	24.6	36.8
145	30.6	27.0	40.6

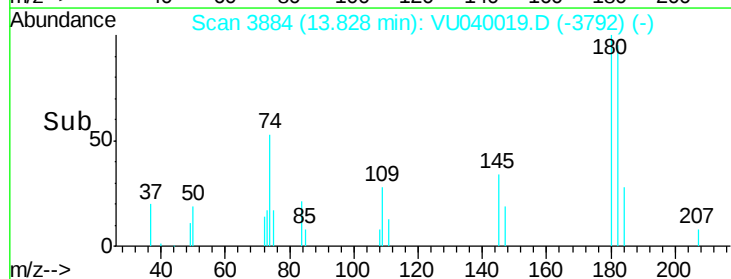
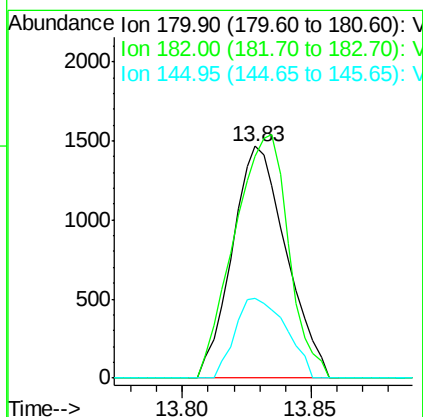
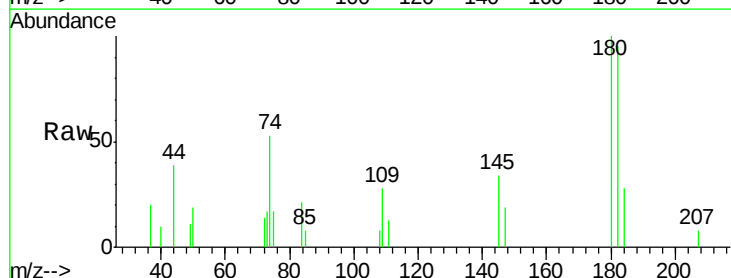
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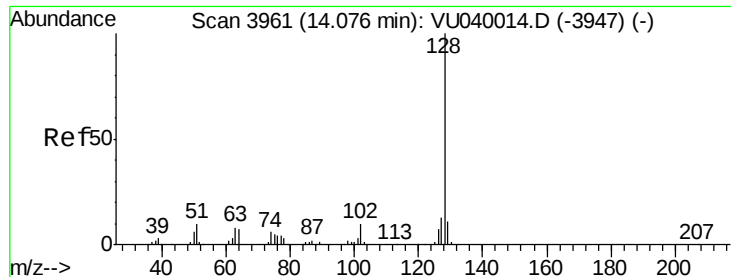
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#68
 1,2,4-trichlorobenzene
 Concen: 0.185 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040019.D
 Acq: 02 Sep 2020 12:11

Tgt Ion:	180	Resp:	2136
Ion Ratio	Lower	Upper	
180	100		
182	105.5	76.0	114.0
145	32.4	28.4	42.6





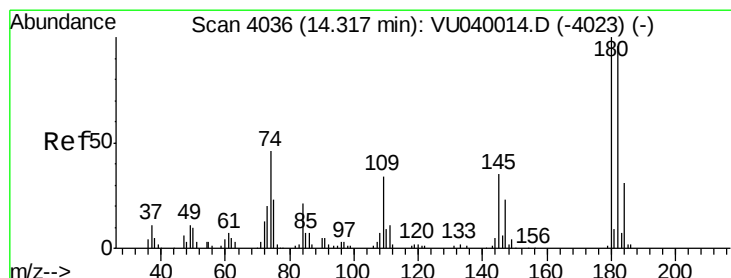
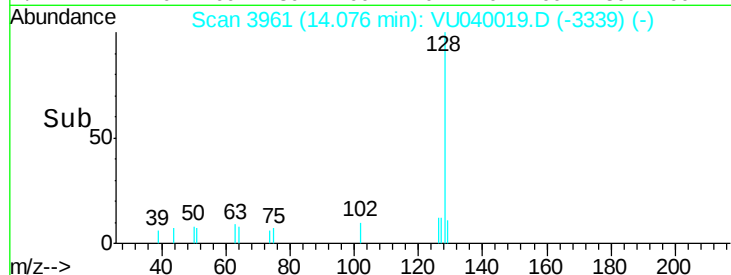
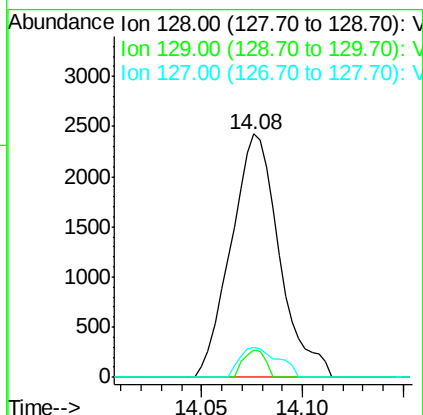
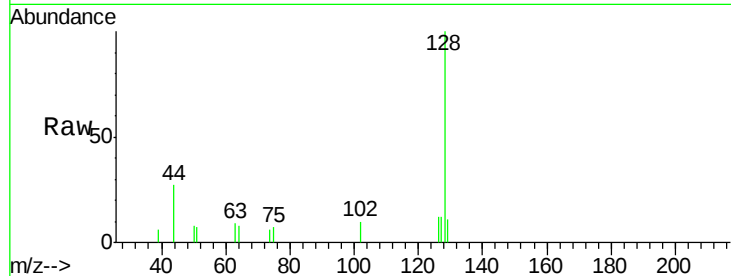
#69
Naphthalene
Concen: 0.169 ug/L
RT: 14.08 min Scan# 3961
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Instrument :
MSVOA_U
ClientSampleId :
MDL04

Tot Ion	Ratio	Lower	Upper
128	100		
129	5.1	8.7	13.1#
127	9.9	10.7	16.1#

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#70
1,2,3-Trichlorobenzene
Concen: 0.205 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. -0.00 min
Lab File: VU040019.D
Acq: 02 Sep 2020 12:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.1	77.8	116.6
145	27.5	28.7	43.1#

