

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090220\
 Data File : VU040016.D
 Acq On : 02 Sep 2020 10:59
 Operator : SY/MD
 Sample : MDL01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Manual Integrations
 APPROVED

MMDadoda
 9/4/2020 1:59:53 PM

Quant Time: Sep 03 01:28:33 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	140242	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	137520	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	65633	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	29383	3.84	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.80%
7) Chloroethane-d5	1.92	69	27259	4.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.40%
11) 1,1-Dichloroethene-d2	2.58	63	53558	2.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	54.60%#
20) 2-Butanone-d5	4.66	46	138021	45.07	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	90.14%
24) Chloroform-d	5.08	84	71317	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.72	65	46865	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
32) Benzene-d6	5.74	84	133217	4.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.00%
36) 1,2-Dichloropropane-d6	6.70	67	44393	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	83.80%
41) Toluene-d8	7.90	98	117615	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	8.18	79	19817	4.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.60%
46) 2-Hexanone-d5	8.64	63	104431	45.35	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.70%
57) 1,1,2,2-Tetrachloroethane-	10.75	84	40703	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
64) 1,2-Dichlorobenzene-d4	12.19	152	44468	4.19	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	83.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.39	85	2403	0.173	ug/L	99
3) Chloromethane	1.53	50	3035	0.228	ug/L	99
5) Vinyl chloride	1.61	62	2789	0.206	ug/L #	82
6) Bromomethane	1.86	94	1369	0.198	ug/L	86
8) Chloroethane	1.94	64	1813	0.223	ug/L	88
9) Trichlorofluoromethane	2.15	101	4066	0.210	ug/L	92
10) 1,1,2-Trichloro-1,2,2-trif	2.58	101	2839	0.226	ug/L #	80
12) 1,1-Dichloroethene	2.59	96	2376	0.219	ug/L #	1
13) Acetone	2.67	43	5423m	1.913	ug/L	
14) Carbon disulfide	2.81	76	6830	0.196	ug/L #	94
15) Methyl Acetate	2.97	43	1283	0.180	ug/L	92
16) Methylene chloride	3.06	84	4502	0.317	ug/L	94
17) Methyl tert-butyl Ether	3.38	73	6021	0.184	ug/L #	91
18) trans-1,2-Dichloroethene	3.37	96	2617	0.224	ug/L	76
19) 1,1-Dichloroethane	3.89	63	4604	0.192	ug/L	93
21) 2-Butanone	4.74	43	10136	2.190	ug/L	86
22) cis-1,2-Dichloroethene	4.69	96	2629	0.209	ug/L	74

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	5.00	128	963	0.175	ug/L	93
25) Chloroform	5.11	83	7591	0.308	ug/L	92
27) 1,2-Dichloroethane	5.81	62	3720	0.206	ug/L #	92
29) 1,1,1-Trichloroethane	5.33	97	4144	0.192	ug/L	96
30) Cyclohexane	5.41	56	3338	0.159	ug/L	88
31) Carbon tetrachloride	5.54	117	3767	0.204	ug/L	97
33) Benzene	5.79	78	9610	0.195	ug/L	100
34) Trichloroethene	6.55	95	2177	0.165	ug/L #	77
35) Methylcyclohexane	6.77	83	3602	0.178	ug/L #	83
37) 1,2-Dichloropropane	6.80	63	2477	0.186	ug/L #	93
38) Bromodichloromethane	7.12	83	3372	0.185	ug/L #	89
39) cis-1,3-Dichloropropene	7.61	75	3537	0.180	ug/L	95
40) 4-Methyl-2-pentanone	7.80	43	21392	1.957	ug/L	99
42) Toluene	7.97	91	10085	0.199	ug/L	97
44) trans-1,3-Dichloropropene	8.22	75	3677	0.202	ug/L #	39
45) 1,1,2-Trichloroethane	8.41	97	1899	0.196	ug/L	91
47) Tetrachloroethene	8.56	164	1550	0.179	ug/L	94
48) 2-Hexanone	8.69	43	17486	2.193	ug/L	95
49) Dibromochloromethane	8.81	129	2198	0.189	ug/L	99
50) 1,2-Dibromoethane	8.93	107	1616	0.173	ug/L #	67
51) Chlorobenzene	9.45	112	6093	0.194	ug/L	95
52) Ethylbenzene	9.57	91	11087	0.193	ug/L	99
53) m,p-Xylene	9.70	106	3967	0.194	ug/L	89
54) o-Xylene	10.10	106	3297	0.169	ug/L	99
55) Styrene	10.11	104	5868	0.173	ug/L	99
56) Isopropylbenzene	10.48	105	9049	0.170	ug/L	97
58) 1,1,1,2,2-Tetrachloroethane	10.78	83	2492	0.200	ug/L #	82
59) 1,2,3-Trichloropropane	10.82	75	1880	0.190	ug/L	93
61) Bromoform	10.29	173	1018	0.169	ug/L #	95
62) 1,3-Dichlorobenzene	11.74	146	4575	0.191	ug/L	97
63) 1,4-Dichlorobenzene	11.83	146	4784	0.197	ug/L	97
65) 1,2-Dichlorobenzene	12.20	146	4820	0.208	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.98	75	394	0.159	ug/L #	55
67) 1,3,5-Trichlorobenzene	13.21	180	3352	0.199	ug/L	96
68) 1,2,4-trichlorobenzene	13.83	180	2431	0.167	ug/L	94
69) Naphthalene	14.07	128	4928	0.163	ug/L #	95
70) 1,2,3-Trichlorobenzene	14.32	180	2471	0.185	ug/L #	87

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

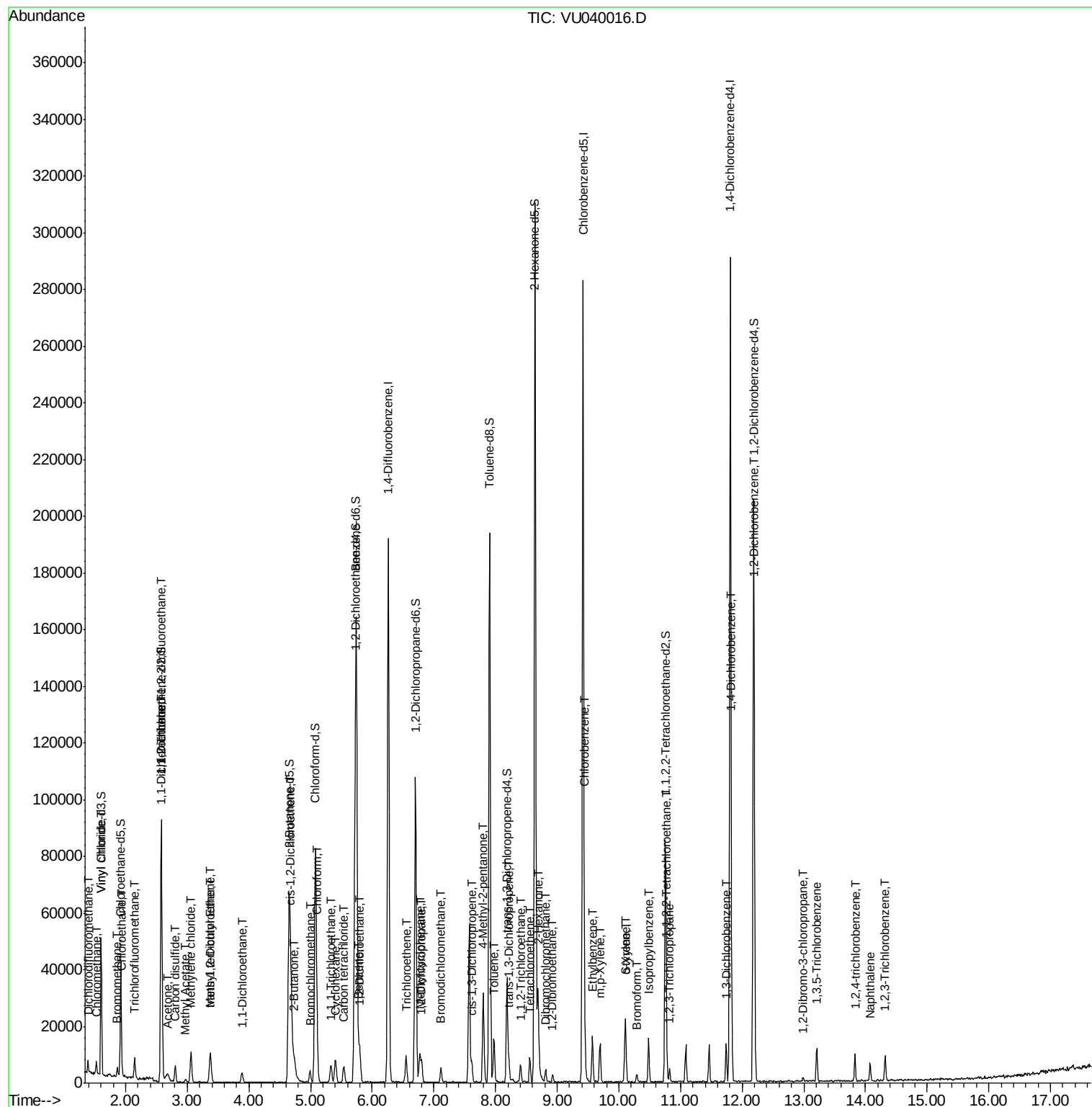
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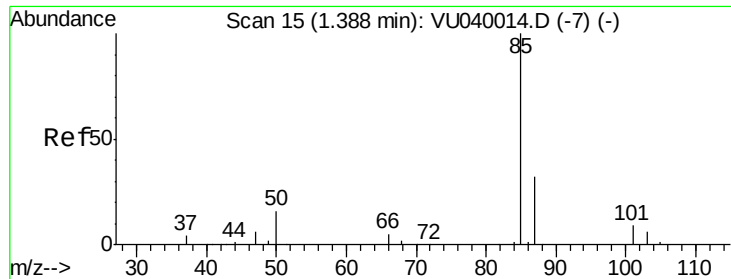
Instrument :
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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.173 ug/L

RT: 1.39 min Scan# 15

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tot Ion: 85 Resp: 2403

Ion Ratio Lower Upper

85 100

87 31.9 25.9 38.9

Instrument :

MSVOA_U

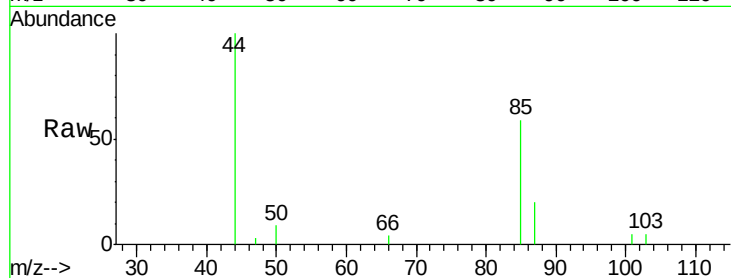
ClientSampled :

MDL01

Manual Integrations
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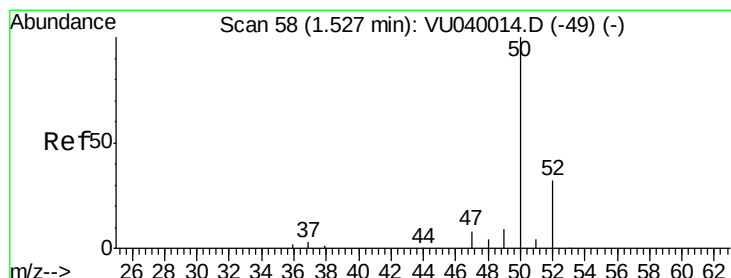
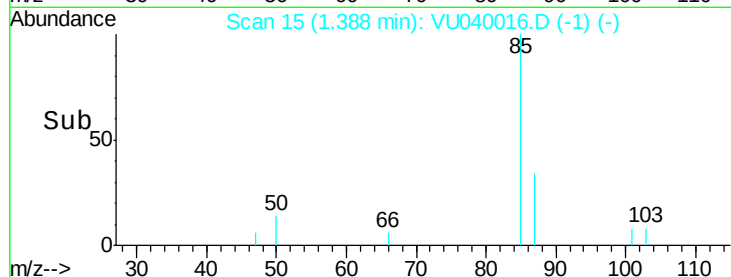
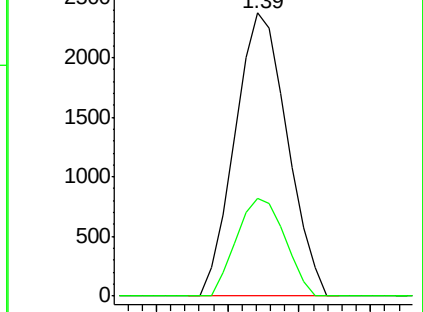
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Abundance Ion 85.00 (84.70 to 85.70): VU040014.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU040014.D (-7) (-)



#3

Chloromethane

Concen: 0.228 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.00 min

Lab File: VU040016.D

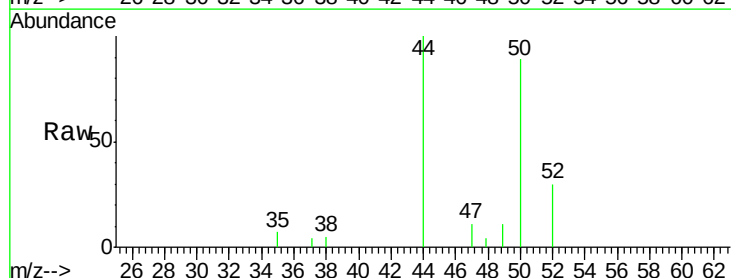
Acq: 02 Sep 2020 10:59

Tgt Ion: 50 Resp: 3035

Ion Ratio Lower Upper

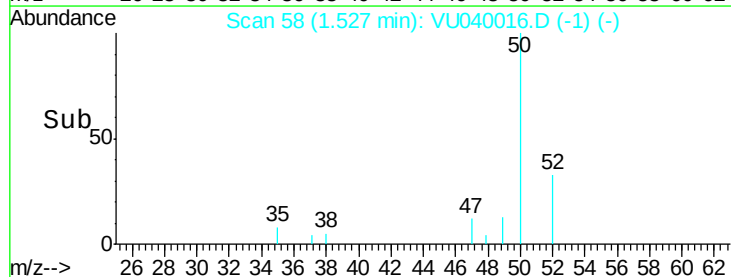
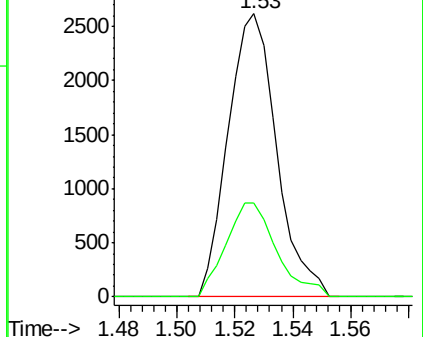
50 100

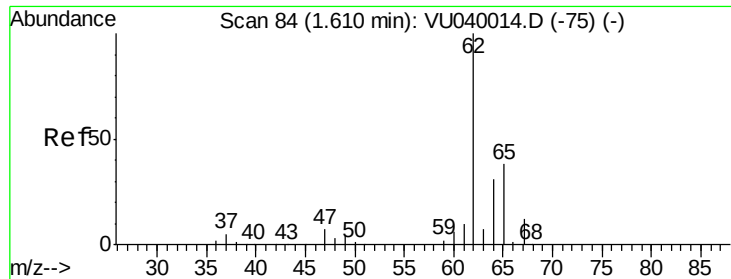
52 33.3 22.8 42.4



Abundance Ion 50.05 (49.75 to 50.75): VU040014.D (-49) (-)

Ion 52.05 (51.75 to 52.75): VU040014.D (-49) (-)





#5

Vinyl chloride

Concen: 0.206 ug/L

RT: 1.61 min Scan# 84

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 62 Resp: 2789

Ion Ratio Lower Upper

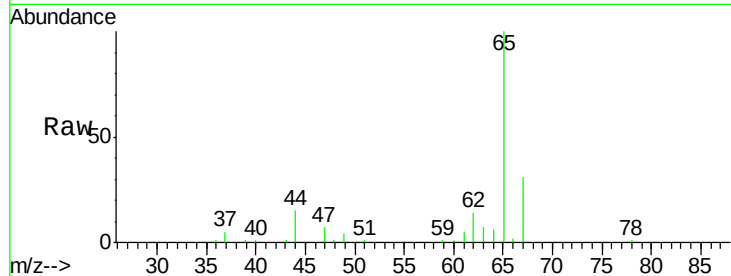
62 100

64 44.7 23.9 44.3#

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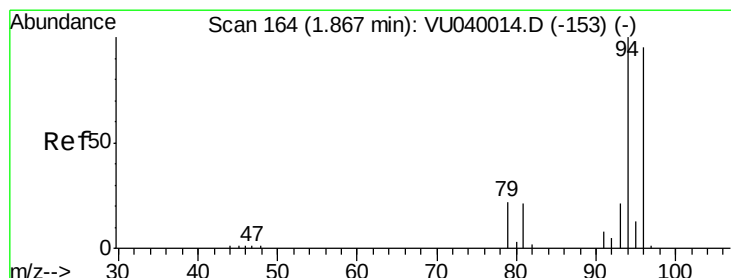
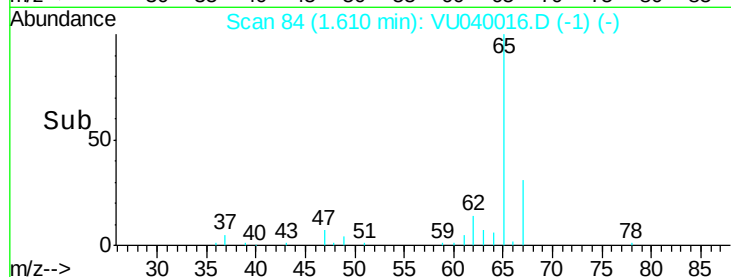
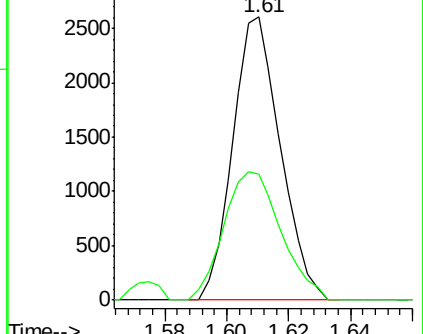
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Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0



#6

Bromomethane

Concen: 0.198 ug/L

RT: 1.86 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU040016.D

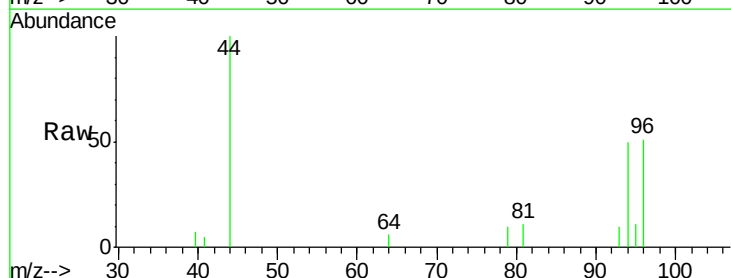
Acq: 02 Sep 2020 10:59

Tgt Ion: 94 Resp: 1369

Ion Ratio Lower Upper

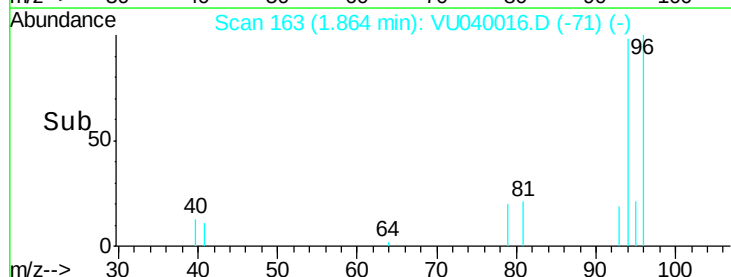
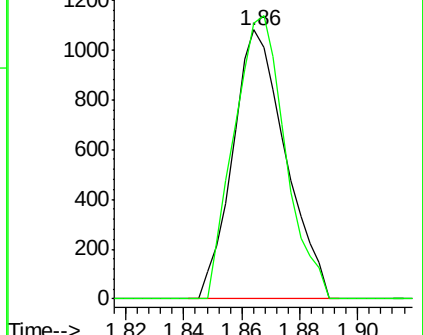
94 100

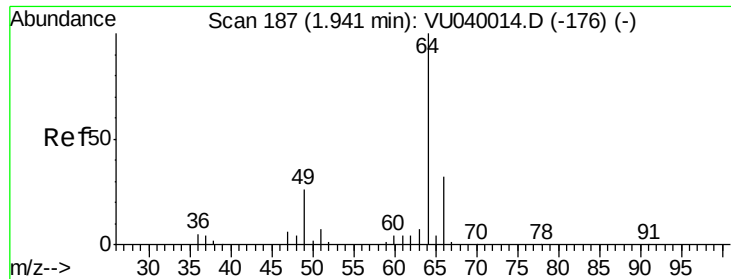
96 102.5 62.3 115.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0





#8

Chloroethane

Concen: 0.223 ug/L

RT: 1.94 min Scan# 187

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampled :

MDL01

Tot Ion: 64 Resp: 1813

Ion Ratio Lower Upper

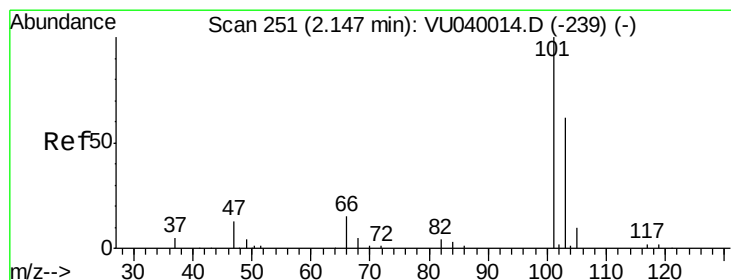
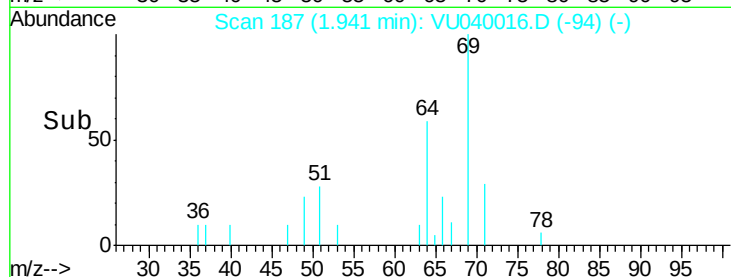
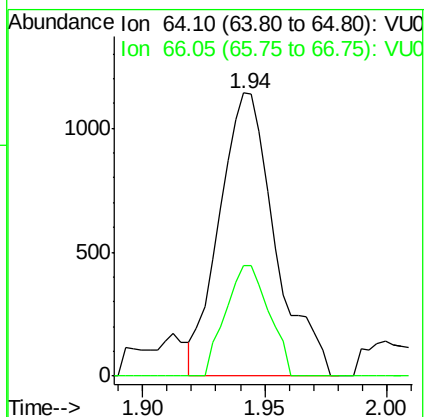
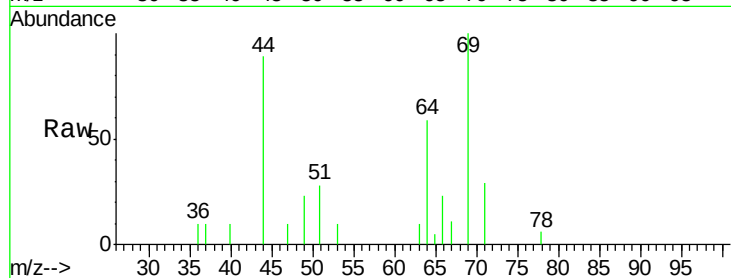
64 100

66 39.2 22.7 42.1

Manual Integrations
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#9

Trichlorofluoromethane

Concen: 0.210 ug/L

RT: 2.15 min Scan# 251

Delta R.T. -0.00 min

Lab File: VU040016.D

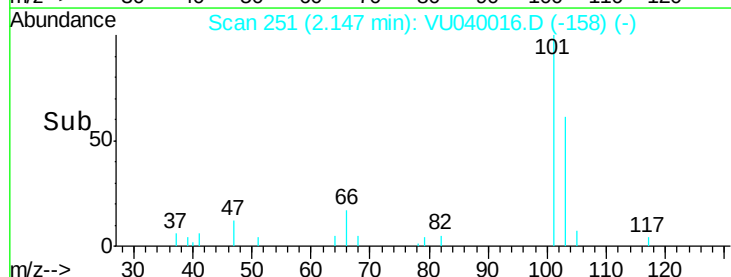
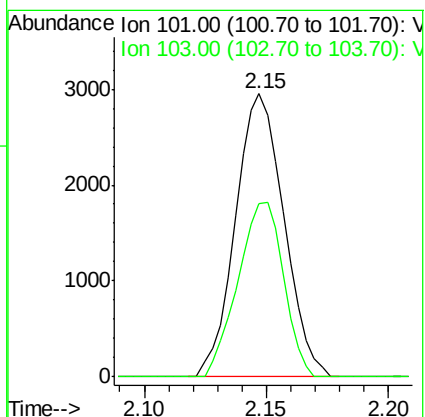
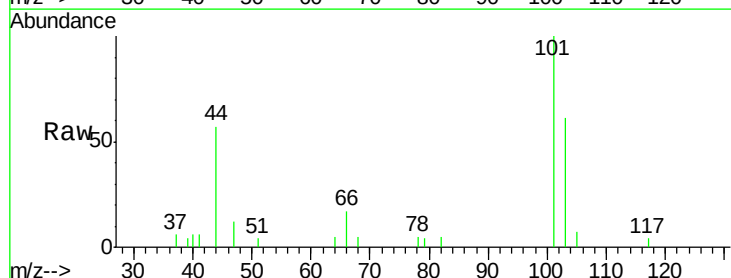
Acq: 02 Sep 2020 10:59

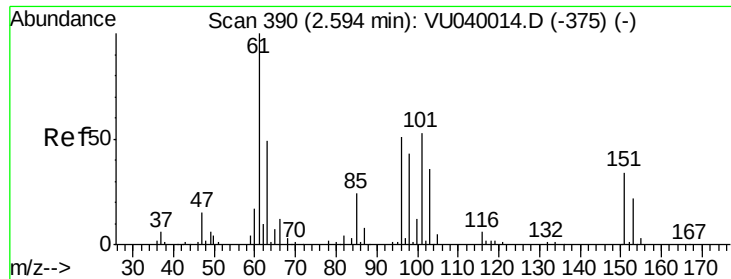
Tgt Ion: 101 Resp: 4066

Ion Ratio Lower Upper

101 100

103 57.9 51.3 76.9





#10

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

Concen: 0.226 ug/L

RT: 2.58 min Scan# 387

Delta R.T. -0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

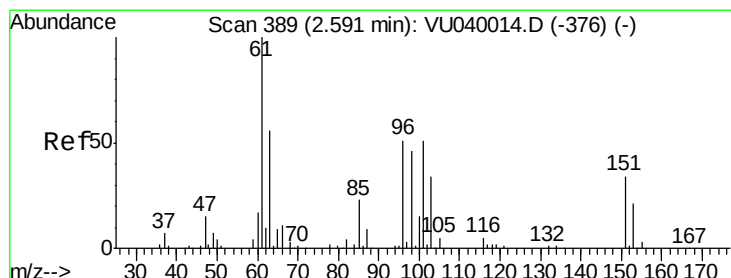
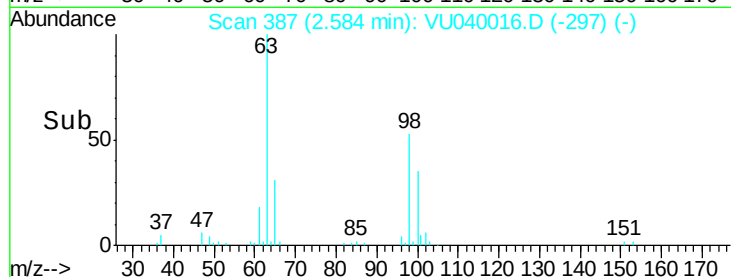
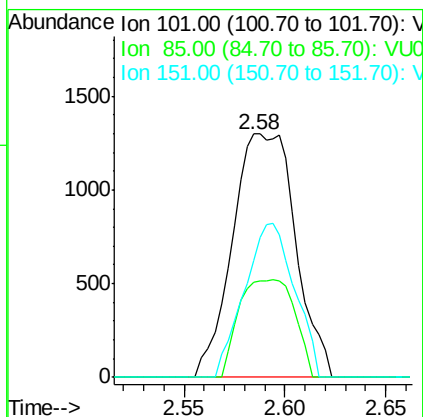
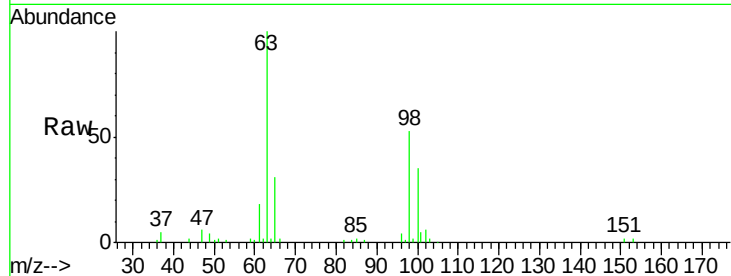
ClientSampleId :

MDL01

Tot Ion:	101	Resp:	2839
Ion Ratio	Lower	Upper	
101	100		
85	35.5	37.7	56.5#
151	50.1	53.9	80.9#

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#12

1,1-Dichloroethene

Concen: 0.219 ug/L

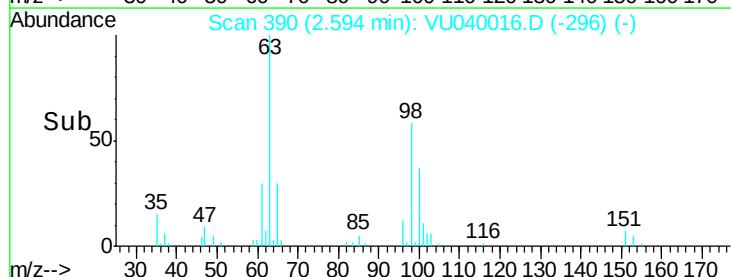
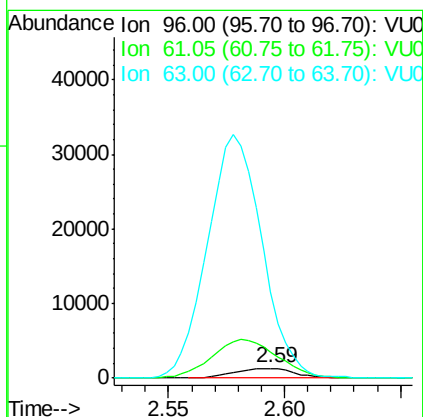
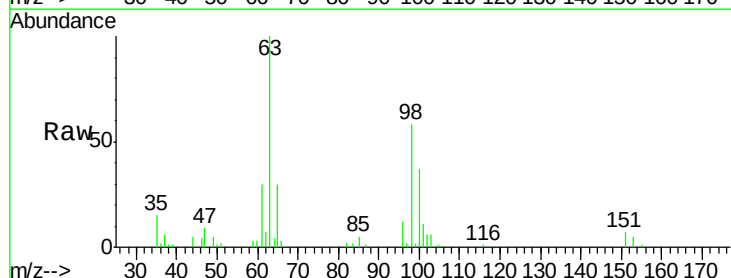
RT: 2.59 min Scan# 390

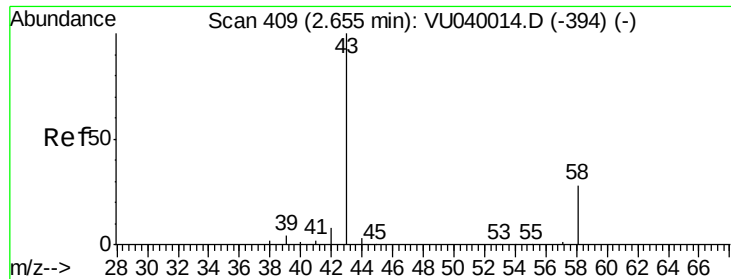
Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion:	96	Resp:	2376
Ion Ratio	Lower	Upper	
96	100		
61	258.8	138.3	256.8#
63	860.0	77.6	144.2#





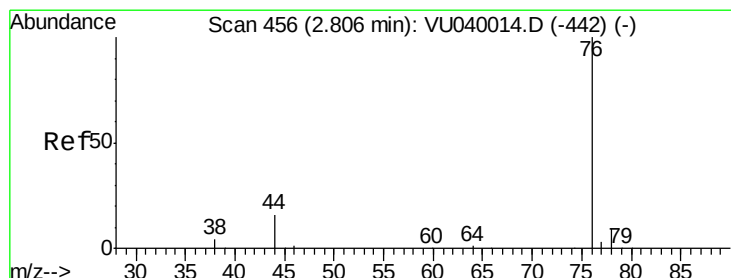
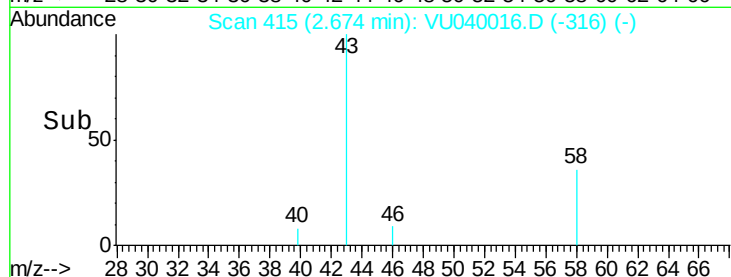
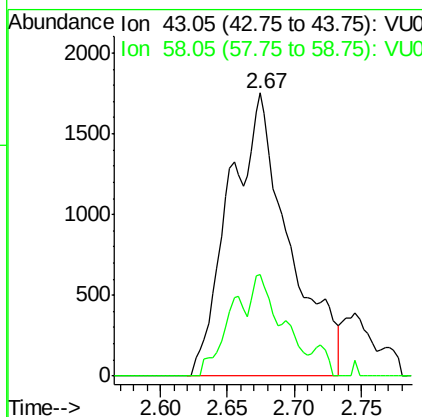
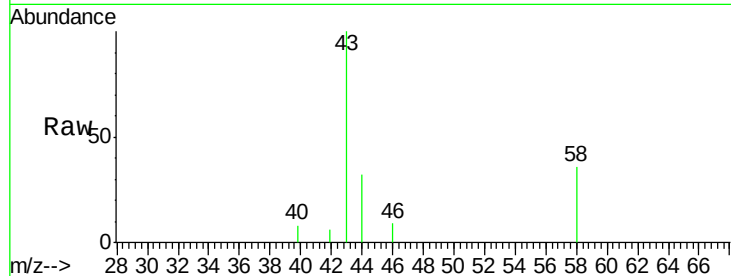
#13
Acetone
Concen: 1.913 ug/L m
RT: 2.67 min Scan# 415
Delta R.T. 0.02 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

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Tot Ion	Ratio	Lower	Upper
43	100		
58	11.2	0.0	55.4

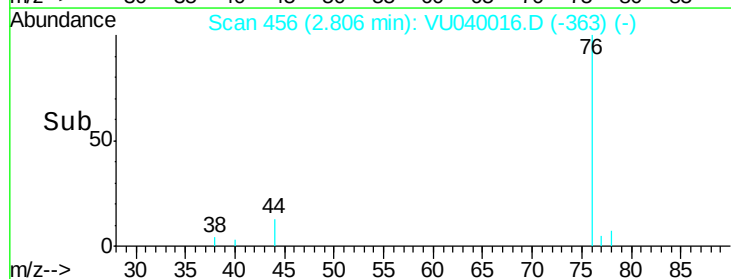
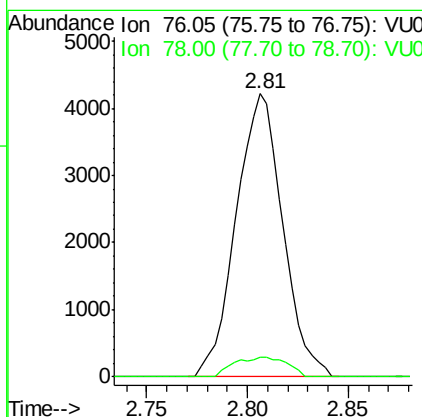
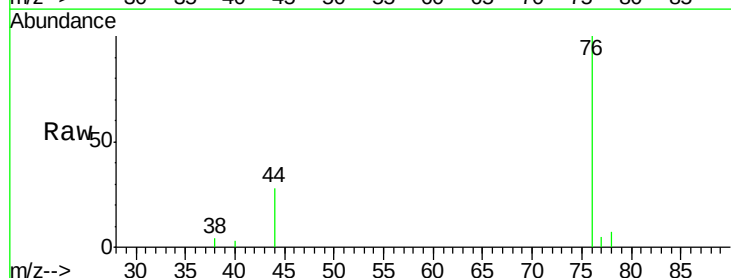
Manual Integrations
APPROVED

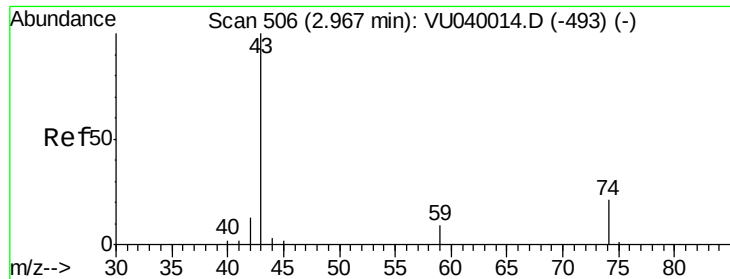
MMDadoda
9/4/2020 1:59:53 PM



#14
Carbon disulfide
Concen: 0.196 ug/L
RT: 2.81 min Scan# 456
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.0	7.2	10.8#





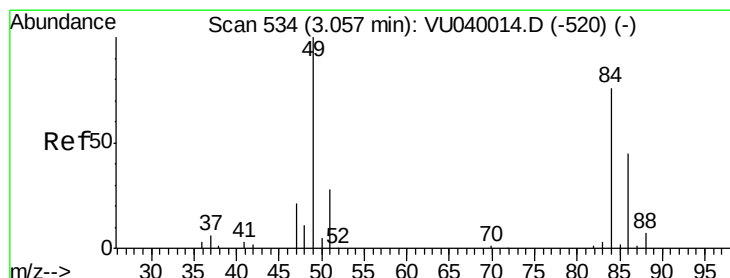
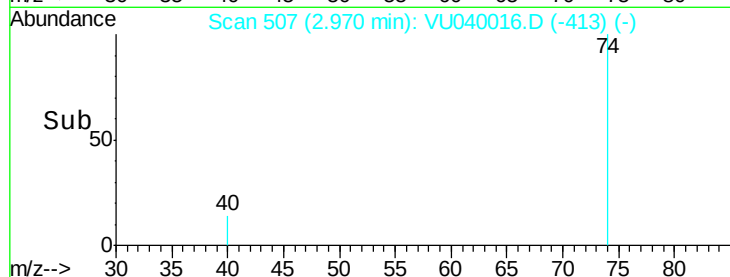
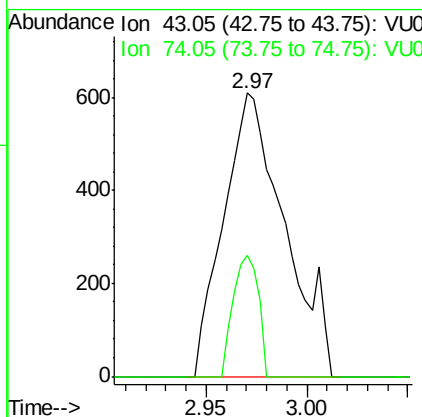
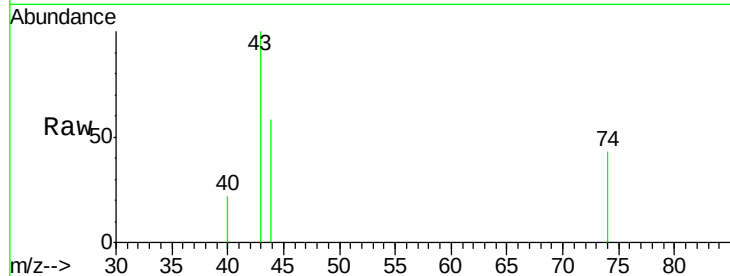
#15
Methvl Acetate
Concen: 0.180 ug/L
RT: 2.97 min Scan# 507
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion: 43 Resp: 1283
Ion Ratio Lower Upper
43 100
74 17.8 17.4 26.0

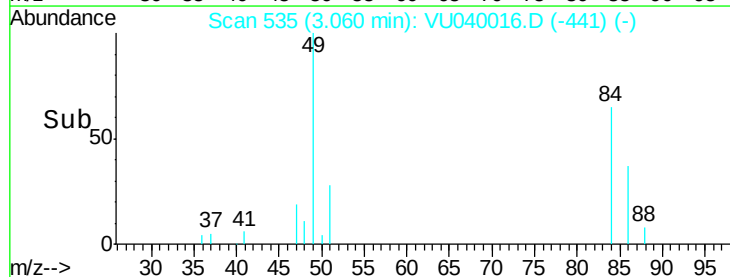
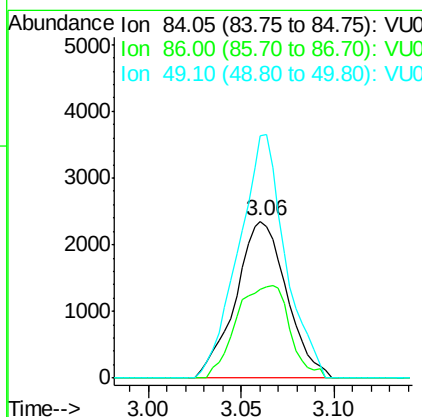
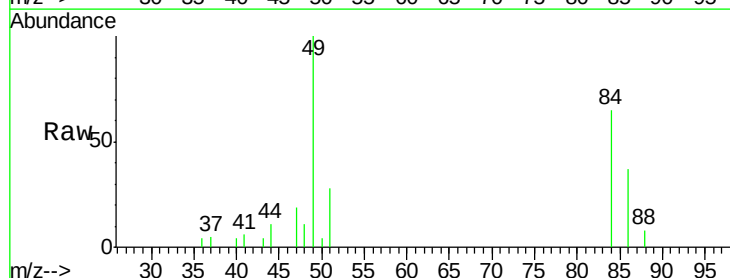
Manual Integrations
APPROVED

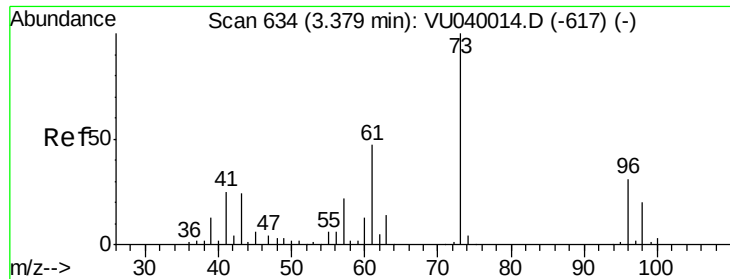
MMDadoda
9/4/2020 1:59:53 PM



#16
Methylene chloride
Concen: 0.317 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion: 84 Resp: 4502
Ion Ratio Lower Upper
84 100
86 56.6 45.2 84.0
49 154.3 104.0 193.2





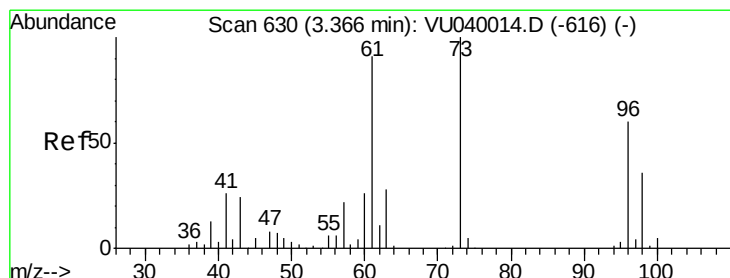
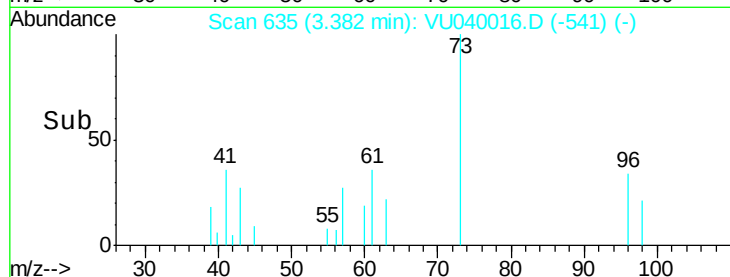
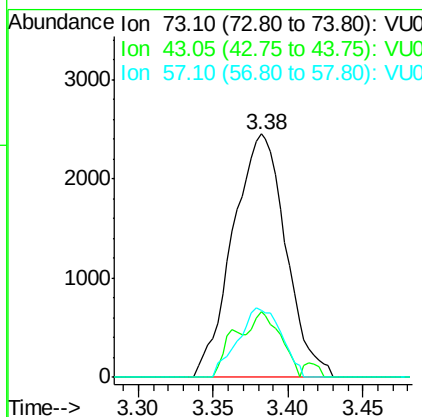
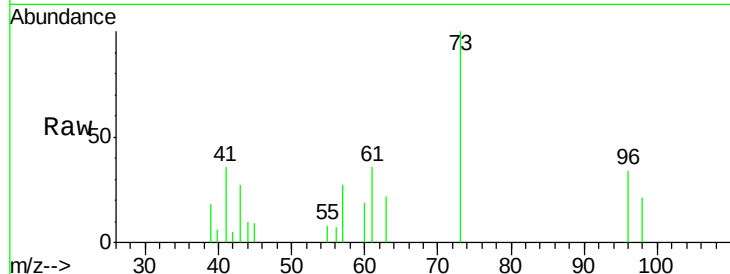
#17
Methyl tert-butyl Ether
Concen: 0.184 ug/L
RT: 3.38 min Scan# 635
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
73	100		
43	16.0	19.1	28.7#
57	23.5	18.3	27.5

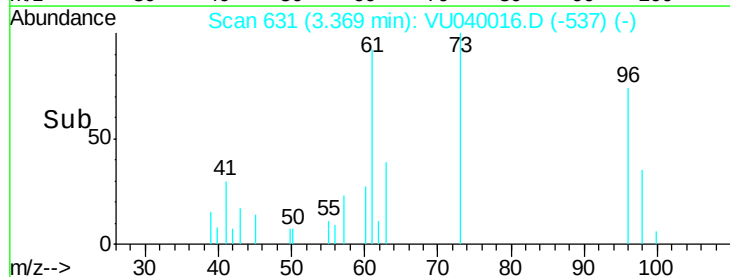
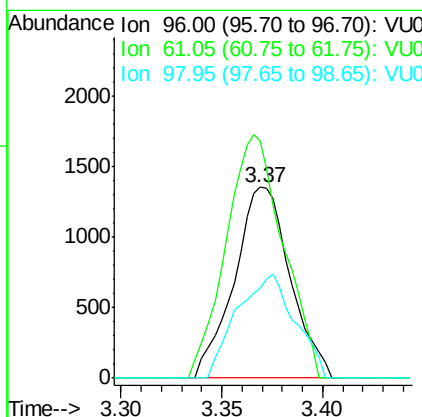
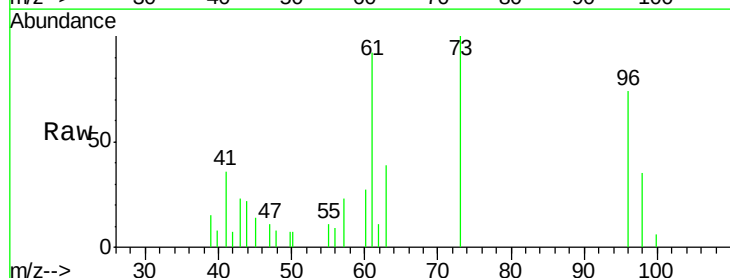
Manual Integrations
APPROVED

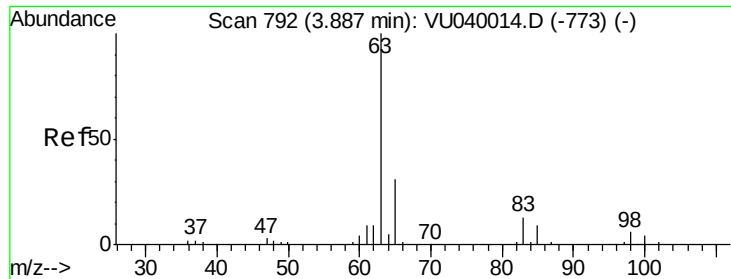
MMDadoda
9/4/2020 1:59:53 PM



#18
trans-1,2-Dichloroethene
Concen: 0.224 ug/L
RT: 3.37 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.5	110.5	205.3
98	47.5	43.2	80.2





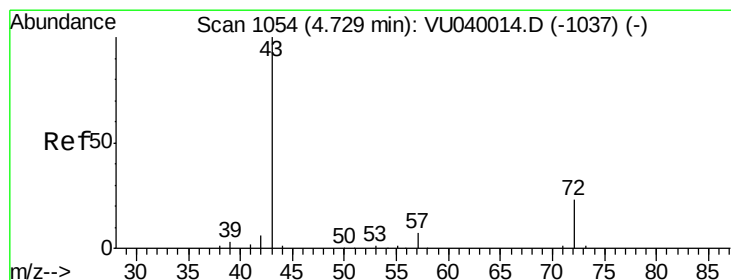
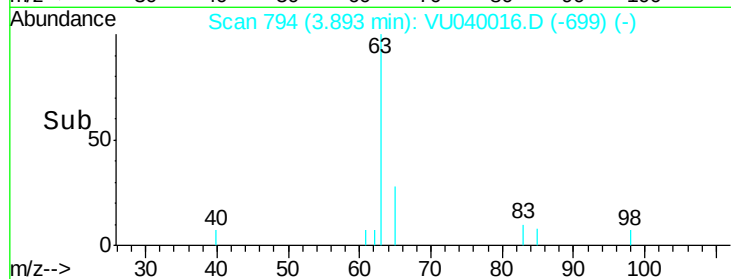
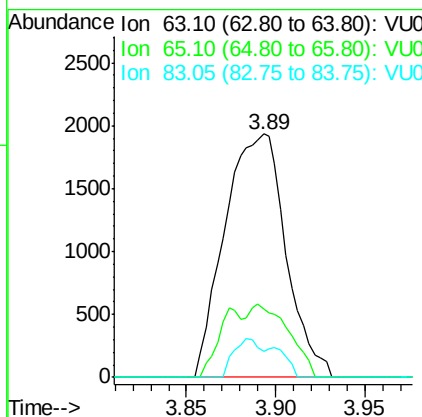
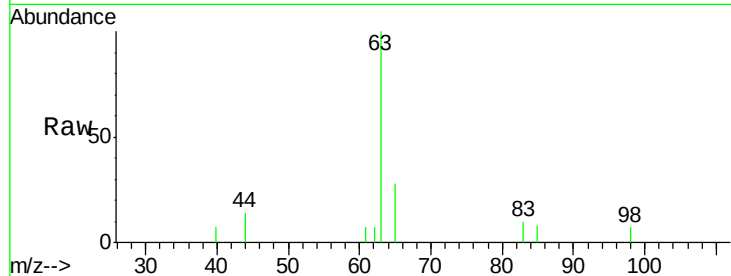
#19
 1,1-Dichloroethane
 Concen: 0.192 ug/L
 RT: 3.89 min Scan# 794
 Delta R.T. 0.01 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion:	63	Resp:	4604
Ion	Ratio	Lower	Upper
63	100		
65	28.1	22.2	41.2
83	10.4	9.4	17.6

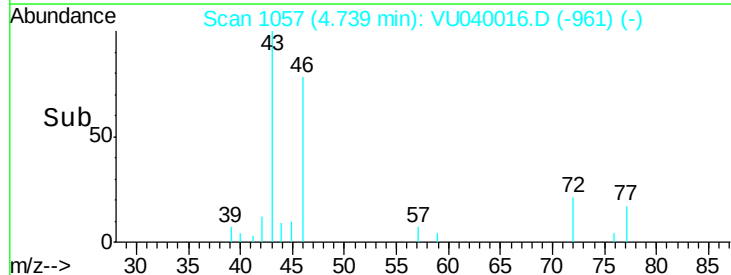
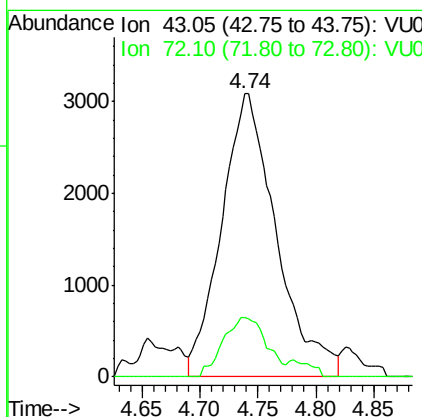
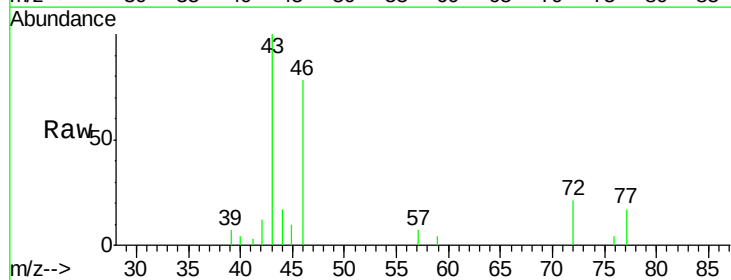
Manual Integrations
 APPROVED

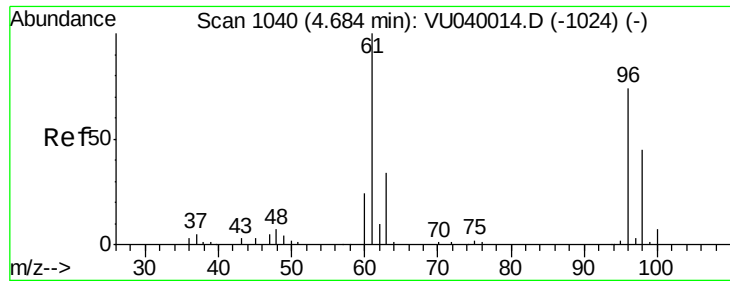
MMDadoda
 9/4/2020 1:59:53 PM



#21
 2-Butanone
 Concen: 2.190 ug/L
 RT: 4.74 min Scan# 1057
 Delta R.T. 0.01 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion:	43	Resp:	10136
Ion	Ratio	Lower	Upper
43	100		
72	16.6	11.7	35.0





#22

cis-1,2-Dichloroethene

Concen: 0.209 ug/L

RT: 4.69 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

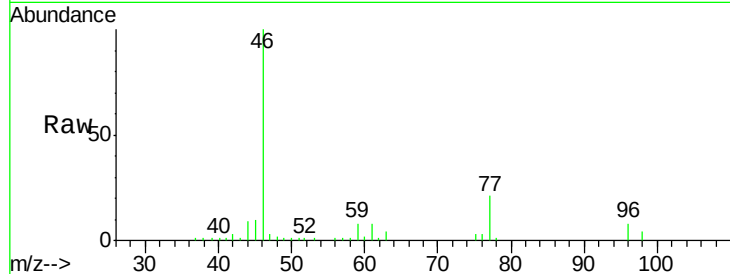
ClientSampleId :

MDL01

Tot Ion:	96	Resp:	2629
Ion	Ratio	Lower	Upper
96	100		
61	109.2	98.8	183.4
68	0.0	0.0	0.0

Manual Integrations
APPROVED

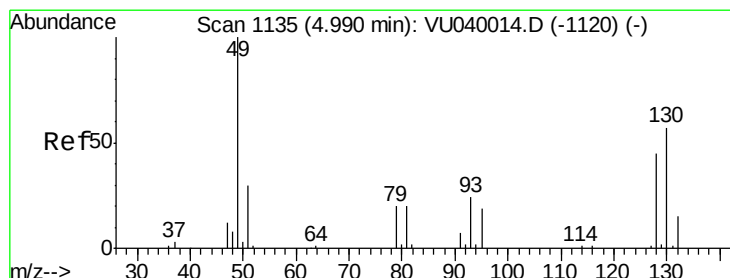
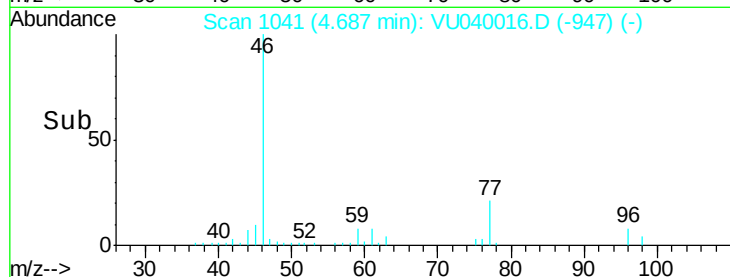
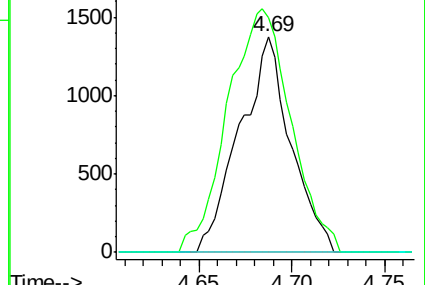
MMDadoda
9/4/2020 1:59:53 PM



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) (-)



#23

Bromochloromethane

Concen: 0.175 ug/L

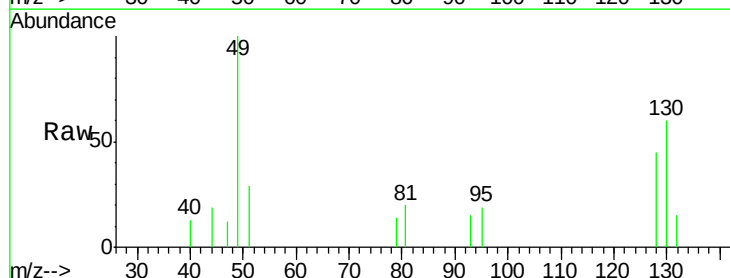
RT: 5.00 min Scan# 1137

Delta R.T. 0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

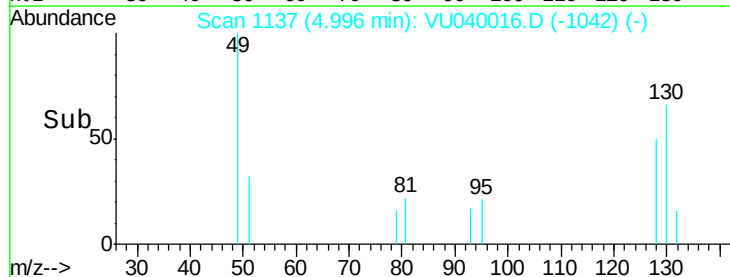
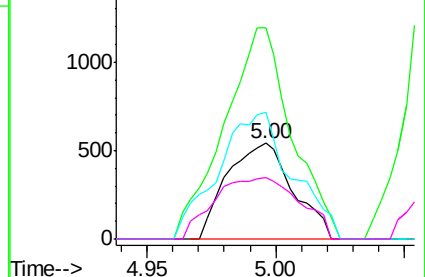
Tgt Ion:	128	Resp:	963
Ion	Ratio	Lower	Upper
128	100		
49	220.7	143.4	266.4
130	132.7	89.5	166.3
51	64.5	51.0	76.4

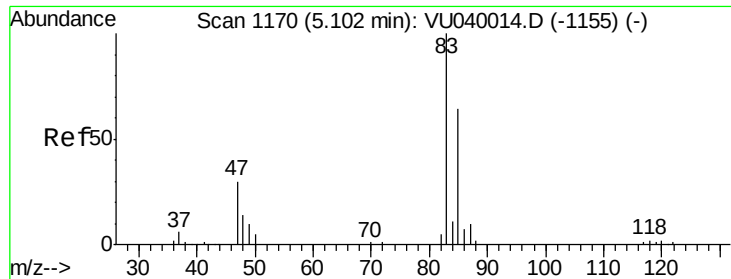


Abundance Ion 127.90 (127.60 to 128.60): VU040014.D (-1120) (-)

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

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





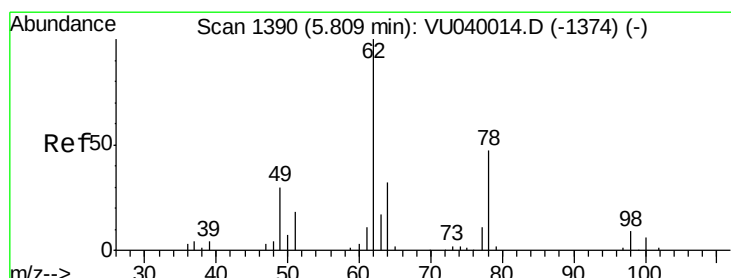
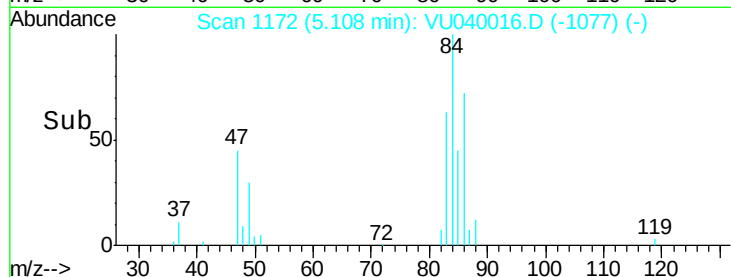
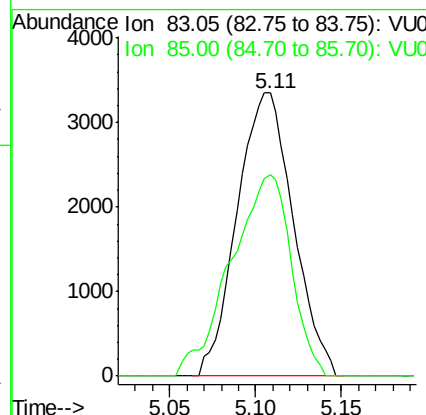
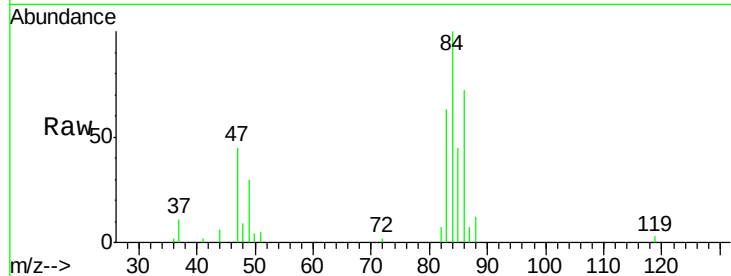
#25
Chloroform
Concen: 0.308 ug/L
RT: 5.11 min Scan# 1172
Delta R.T. 0.01 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion	83	Resp	7591
Ion Ratio	100	Lower	Upper
85	71.0	45.3	84.1

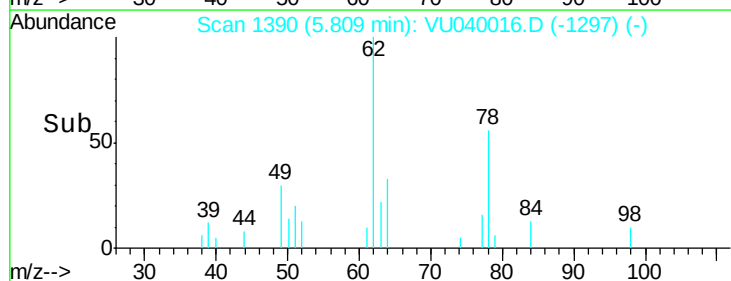
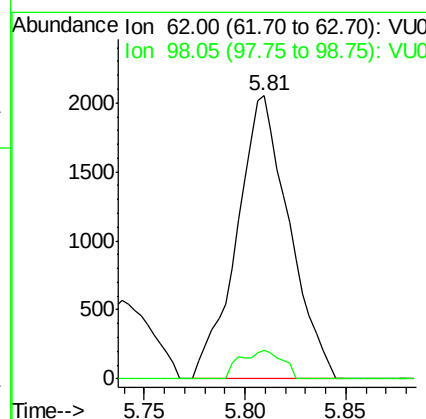
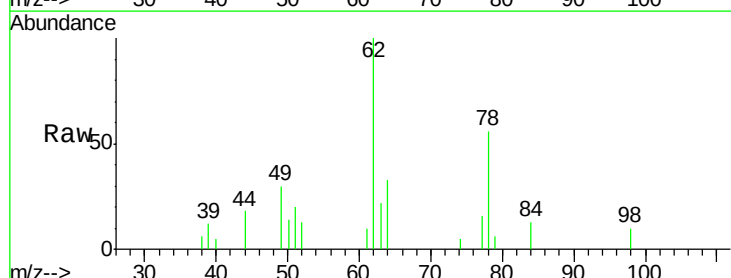
Manual Integrations
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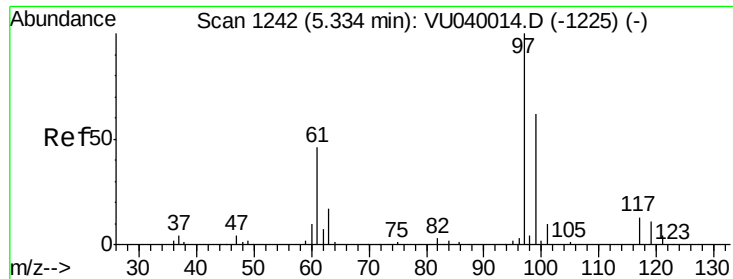
MMDadoda
9/4/2020 1:59:53 PM



#27
1,2-Dichloroethane
Concen: 0.206 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion	62	Resp	3720
Ion Ratio	100	Lower	Upper
98	10.3	6.1	9.1#





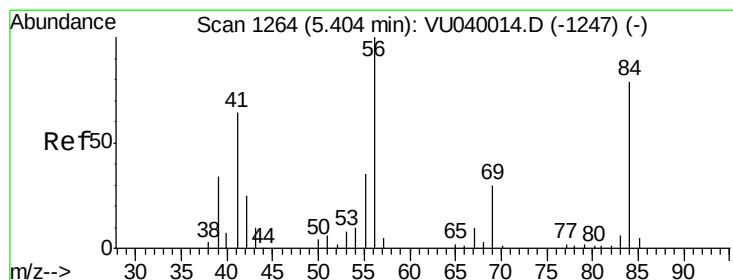
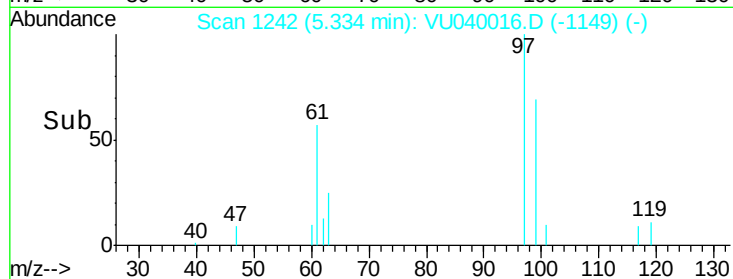
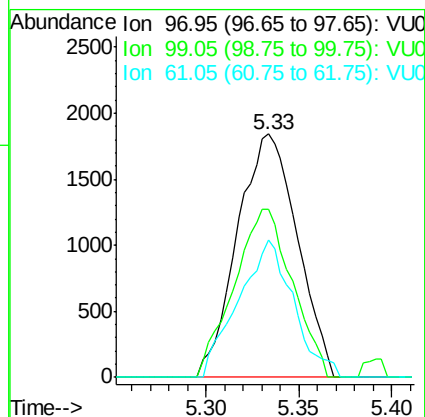
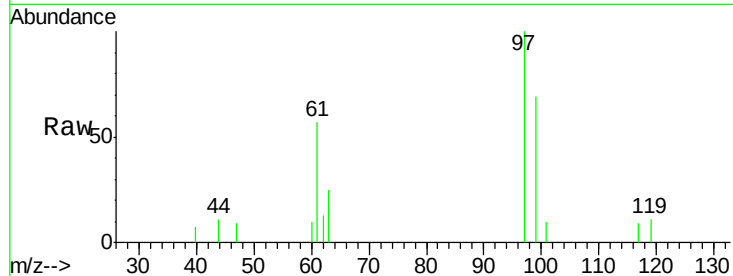
#29
1,1,1-Trichloroethane
Concen: 0.192 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion:	97	Resp:	4144
Ion	Ratio	Lower	Upper
97	100		
99	67.0	50.9	76.3
61	51.6	39.5	59.3

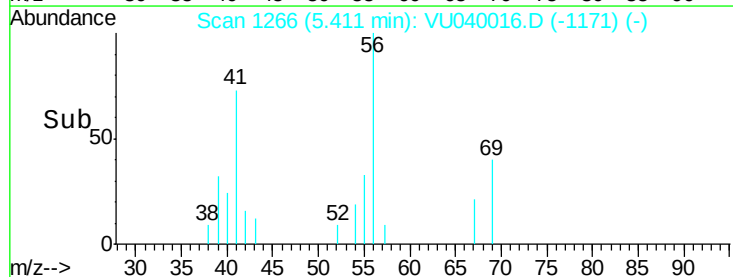
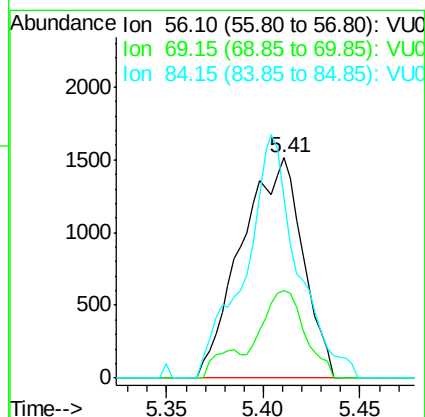
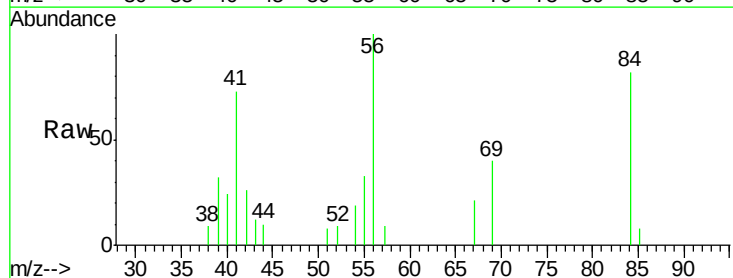
Manual Integrations
APPROVED

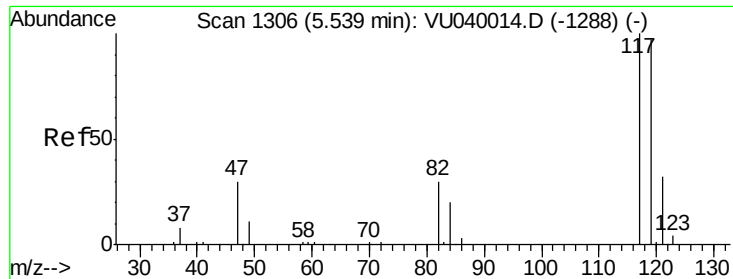
MMDadoda
9/4/2020 1:59:53 PM



#30
Cyclohexane
Concen: 0.159 ug/L
RT: 5.41 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion:	56	Resp:	3338
Ion	Ratio	Lower	Upper
56	100		
69	27.3	24.1	36.1
84	94.5	65.0	97.4





#31

Carbon tetrachloride

Concen: 0.204 ug/L

RT: 5.54 min Scan# 1307

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion:117 Resp: 3767

Ion Ratio Lower Upper

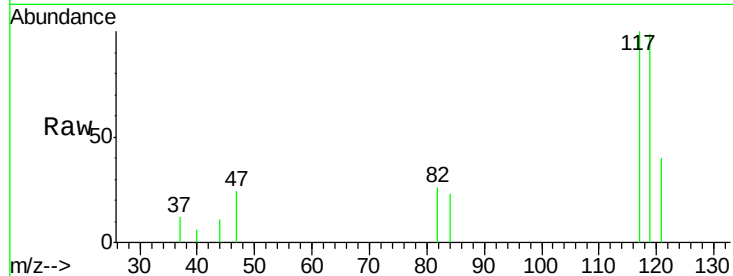
117 100

119 94.5 77.7 116.5

Manual Integrations
APPROVED

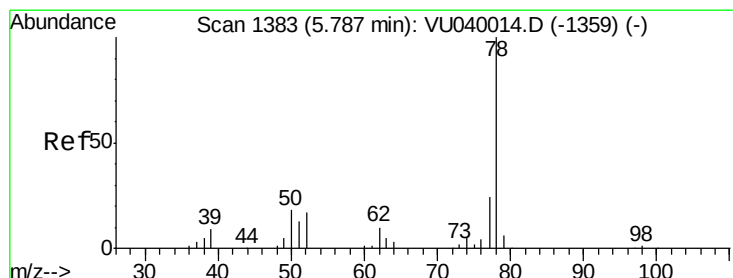
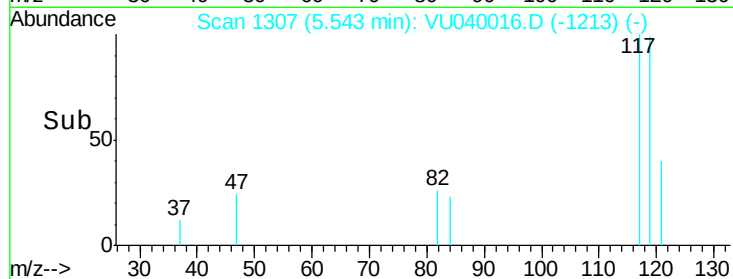
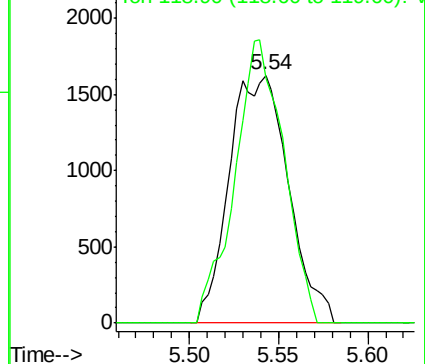
MMDadoda

9/4/2020 1:59:53 PM



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.195 ug/L

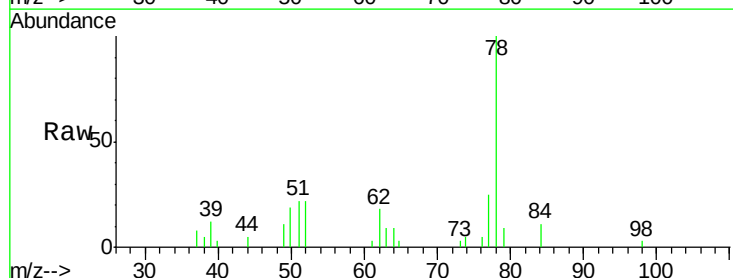
RT: 5.79 min Scan# 1385

Delta R.T. 0.01 min

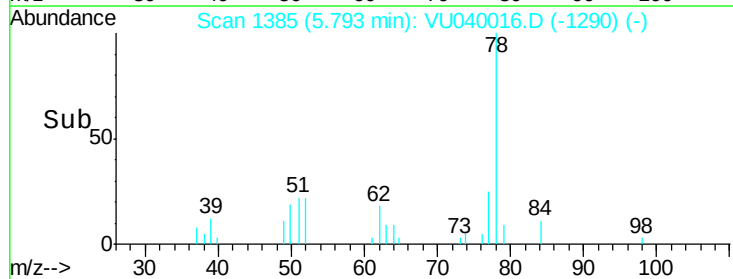
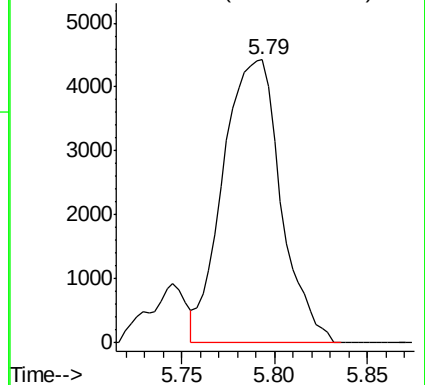
Lab File: VU040016.D

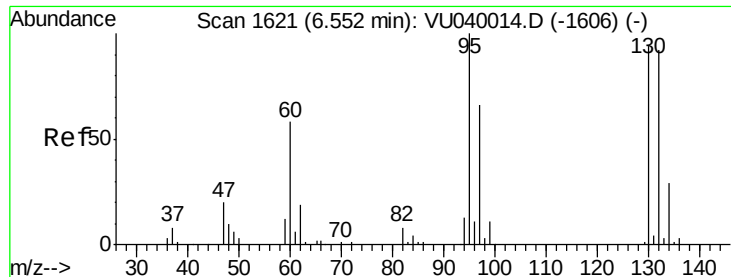
Acq: 02 Sep 2020 10:59

Tgt Ion: 78 Resp: 9610



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 0.165 ug/L

RT: 6.55 min Scan# 1620

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

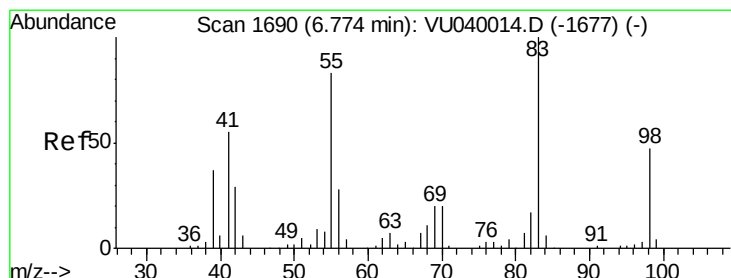
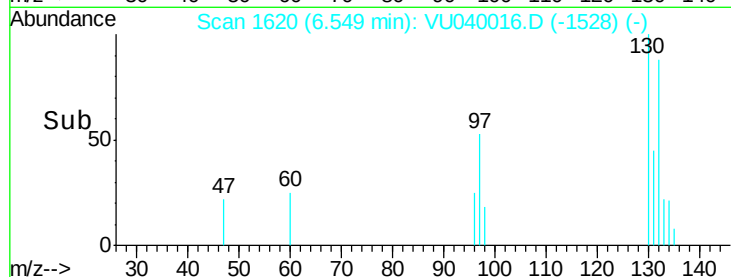
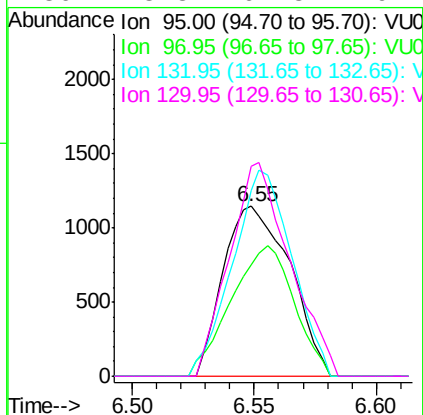
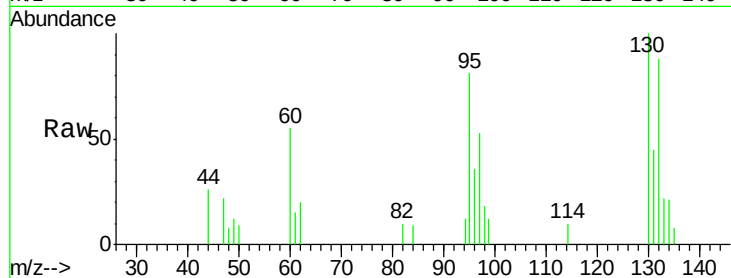
ClientSampleId :

MDL01

Tot Ion:	95	Resp:	2177
Ion	Ratio	Lower	Upper
95	100		
97	65.6	43.3	80.5
132	108.9	59.4	110.4
130	123.3	64.8	120.4

Manual Integrations
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MMDadoda
9/4/2020 1:59:53 PM



#35

Methylcyclohexane

Concen: 0.178 ug/L

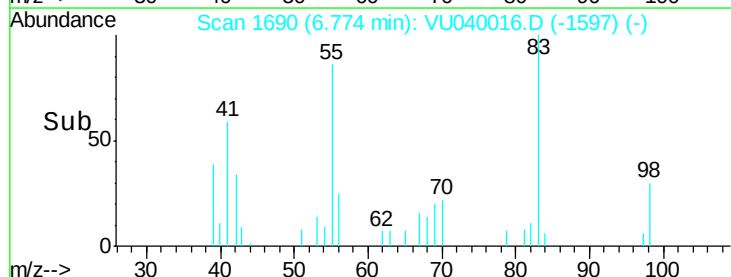
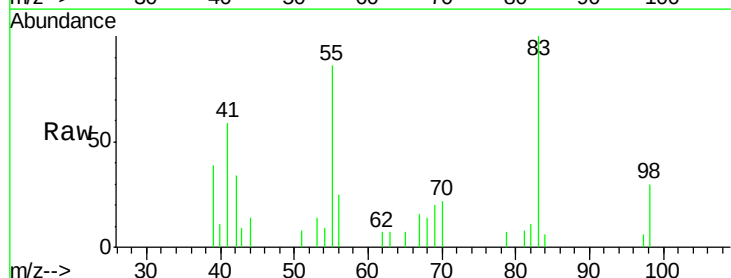
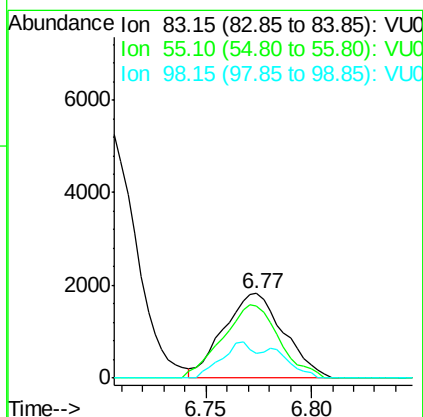
RT: 6.77 min Scan# 1690

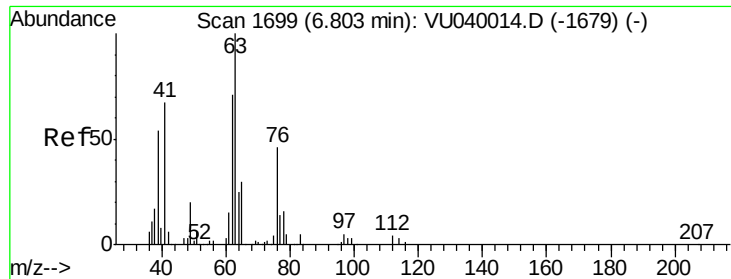
Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion:	83	Resp:	3602
Ion	Ratio	Lower	Upper
83	100		
55	81.9	70.5	105.7
98	23.2	37.8	56.6





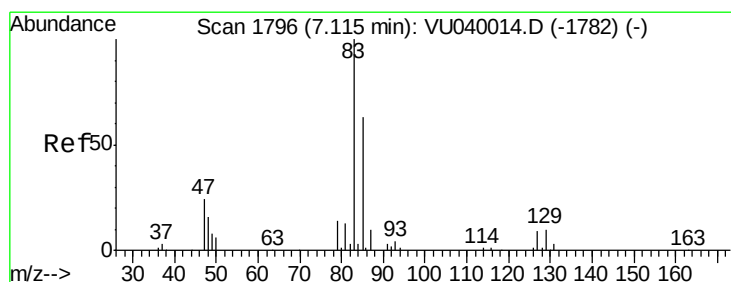
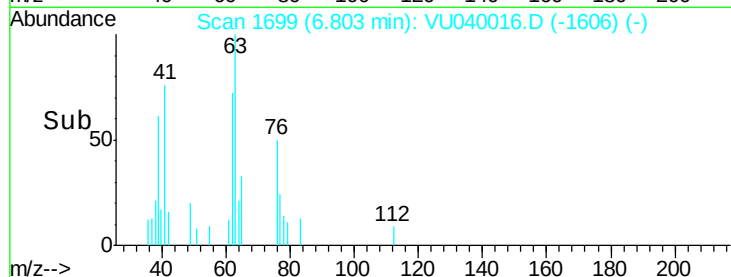
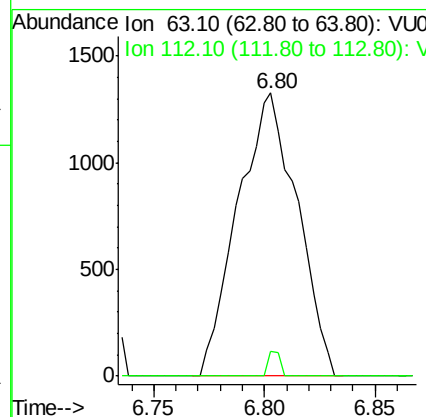
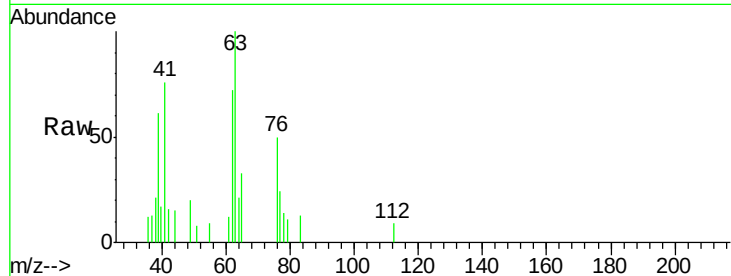
#37
 1,2-Dichloropropane
 Concen: 0.186 ug/L
 RT: 6.80 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion: 63 Resp: 2477
 Ion Ratio Lower Upper
 63 100
 112 1.8 3.2 4.8#

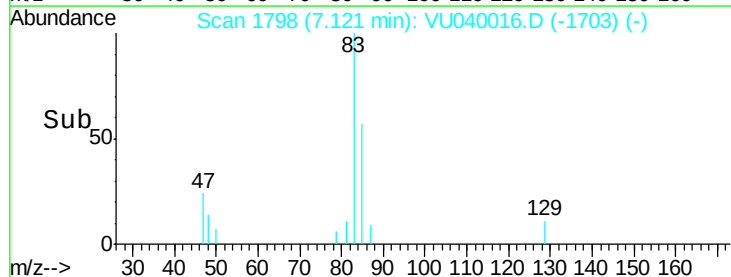
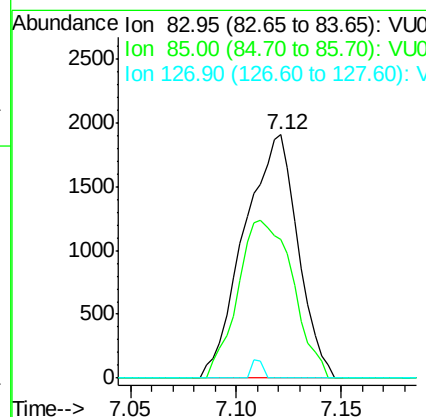
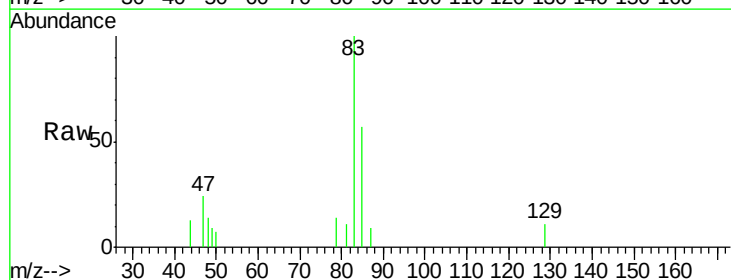
Manual Integrations
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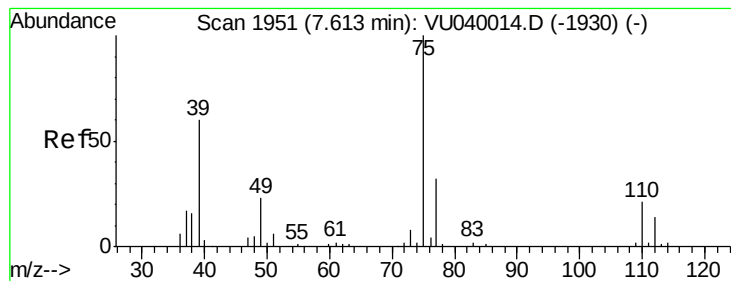
MMDadoda
 9/4/2020 1:59:53 PM



#38
 Bromodichloromethane
 Concen: 0.185 ug/L
 RT: 7.12 min Scan# 1798
 Delta R.T. 0.01 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion: 83 Resp: 3372
 Ion Ratio Lower Upper
 83 100
 85 56.8 45.1 83.9
 127 0.0 6.7 10.1#





#39

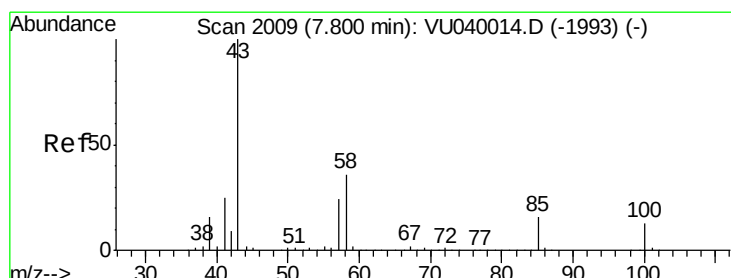
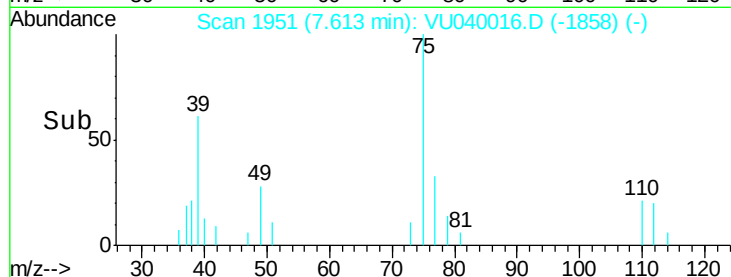
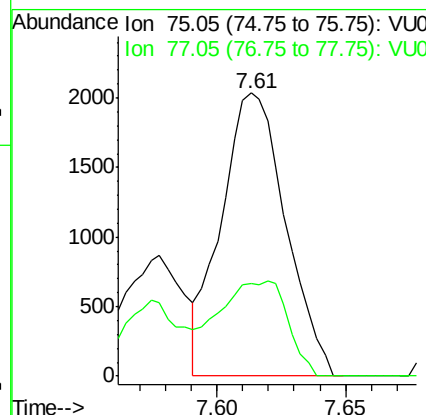
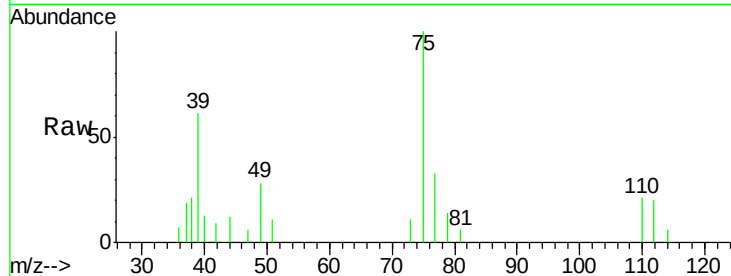
cis-1,3-Dichloropropene
Concen: 0.180 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampled :
MDL01

Tot Ion: 75 Resp: 3537
Ion Ratio Lower Upper
75 100
77 32.8 21.1 39.3

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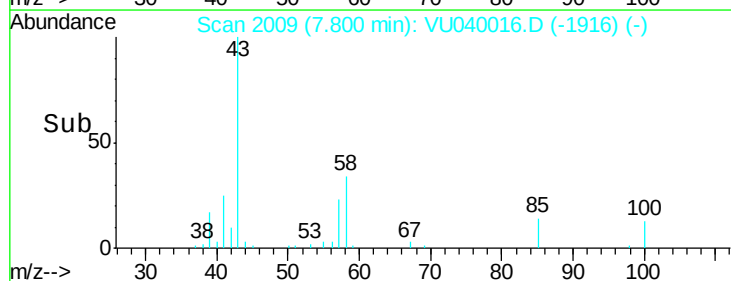
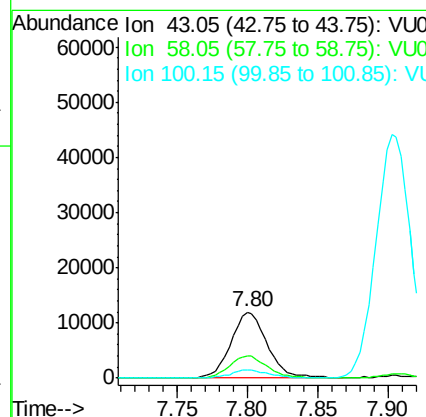
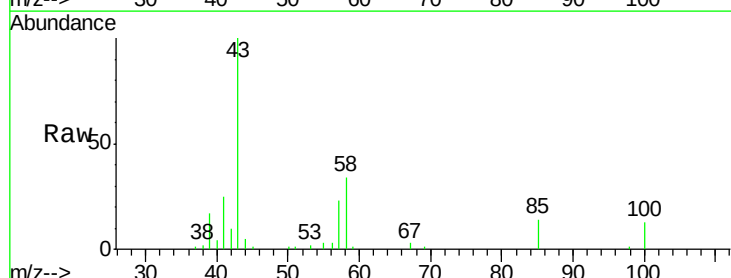
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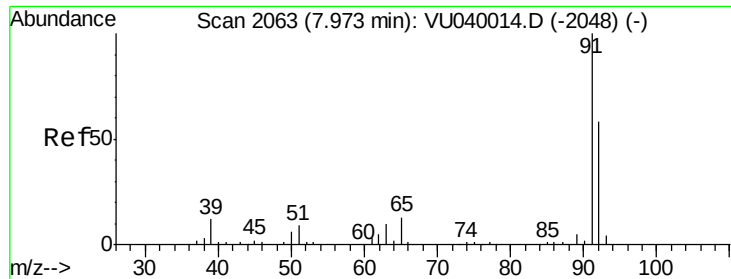


#40

4-Methyl-2-pentanone
Concen: 1.957 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion: 43 Resp: 21392
Ion Ratio Lower Upper
43 100
58 35.0 28.7 43.1
100 12.8 10.2 15.2





#42

Toluene

Concen: 0.199 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

ClientSampleId :

MDL01

Tot Ion: 91 Resp: 10085

Ion Ratio Lower Upper

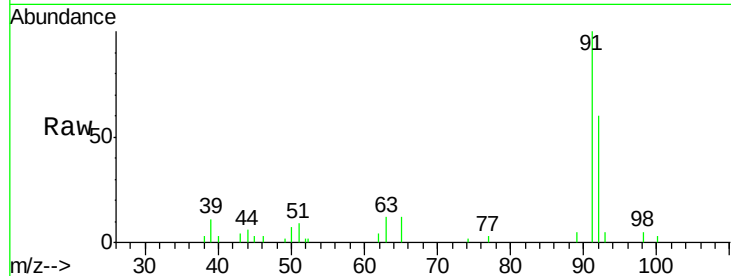
91 100

92 60.1 40.7 75.5

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Abundance Ion 91.15 (90.85 to 91.85): VU040014.D (-2048) (-)

Ion 92.15 (91.85 to 92.85): VU040014.D (-2048) (-)

7.97

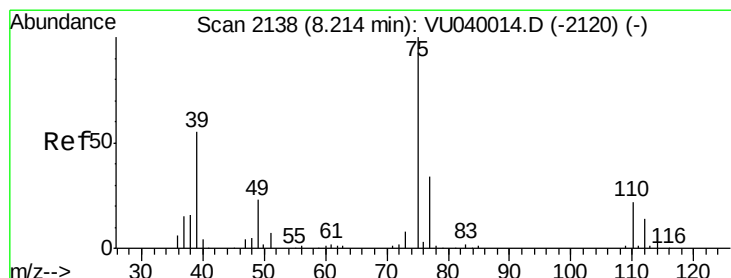
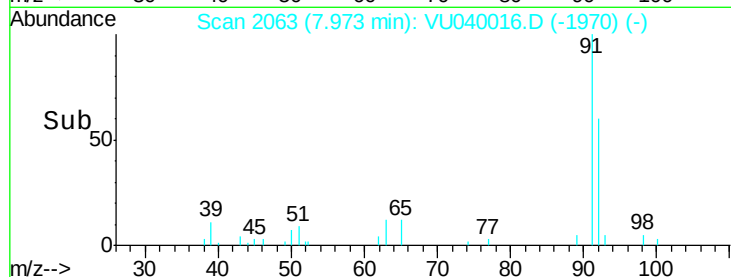
6000

4000

2000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.202 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU040016.D

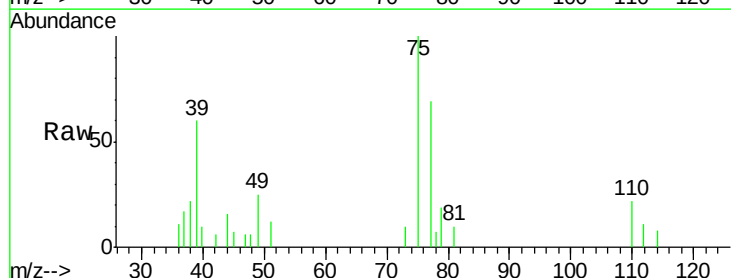
Acq: 02 Sep 2020 10:59

Tgt Ion: 75 Resp: 3677

Ion Ratio Lower Upper

75 100

77 69.0 23.9 44.3#



Abundance Ion 75.05 (74.75 to 75.75): VU040014.D (-2120) (-)

Ion 77.05 (76.75 to 77.75): VU040014.D (-2120) (-)

8.22

2000

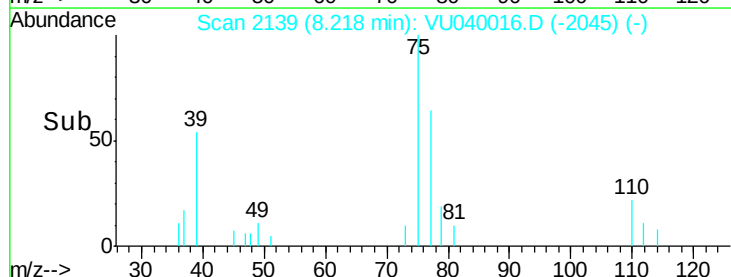
1500

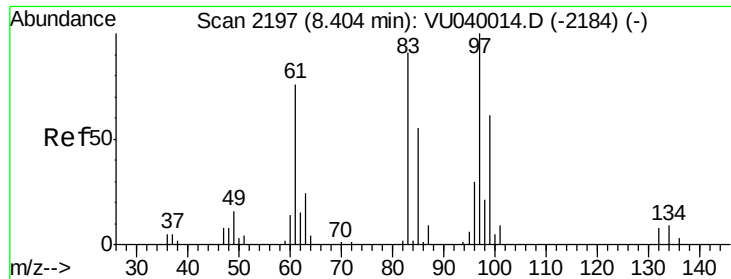
1000

500

0

Time-->





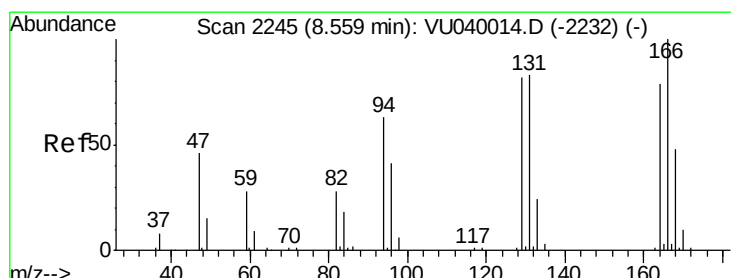
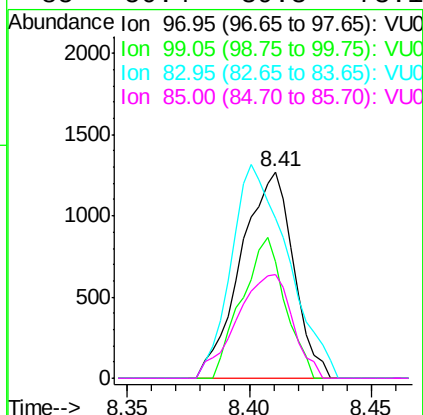
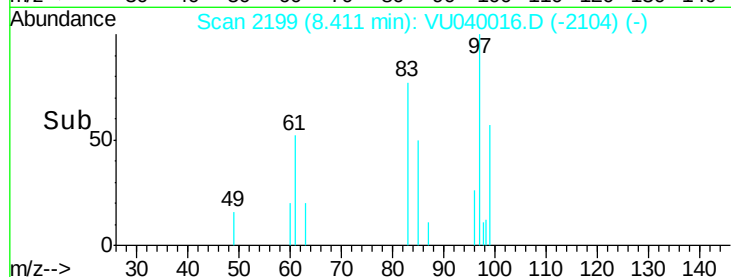
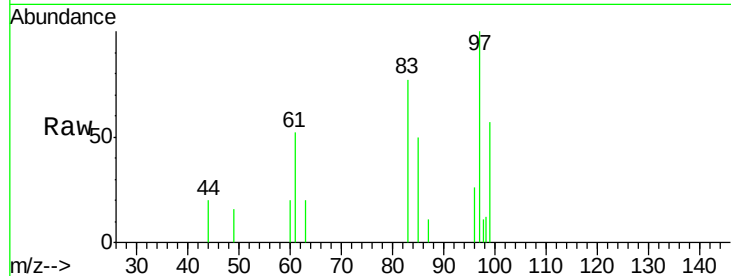
#45
 1,1,2-Trichloroethane
 Concen: 0.196 ug/L
 RT: 8.41 min Scan# 2199
 Delta R.T. 0.01 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion:	97	Resp:	1899
Ion	Ratio	Lower	Upper
97	100		
99	56.6	43.0	79.8
83	77.3	61.7	114.7
85	50.4	39.3	73.1

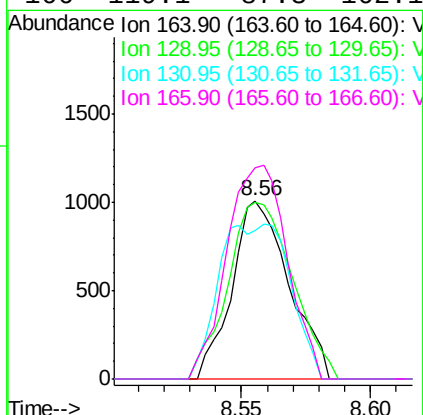
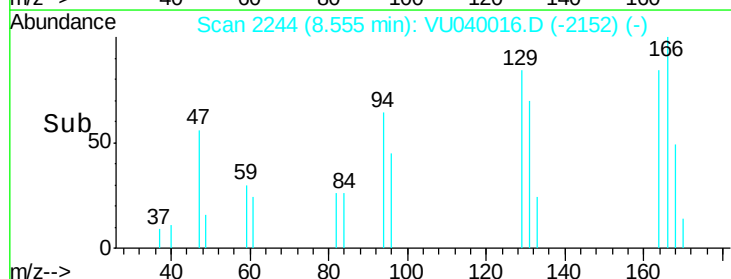
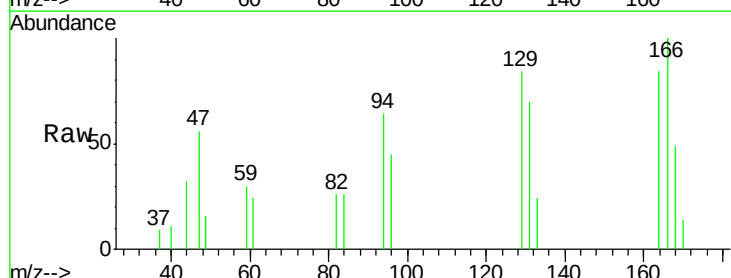
Manual Integrations
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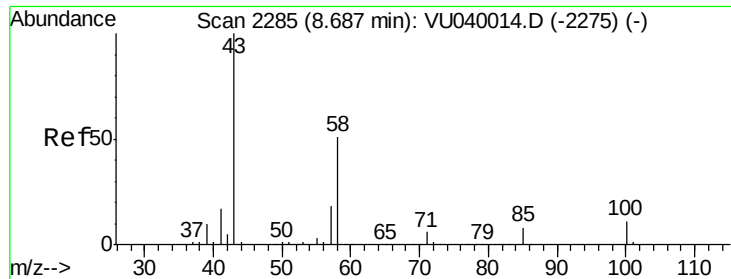
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#47
 Tetrachloroethene
 Concen: 0.179 ug/L
 RT: 8.56 min Scan# 2244
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion:	164	Resp:	1550
Ion	Ratio	Lower	Upper
164	100		
129	99.5	71.5	132.7
131	83.5	65.9	122.5
166	119.1	87.3	162.1





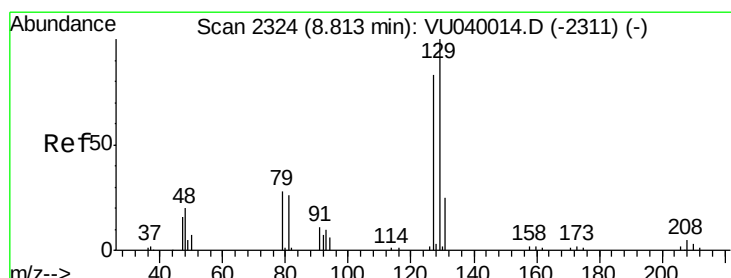
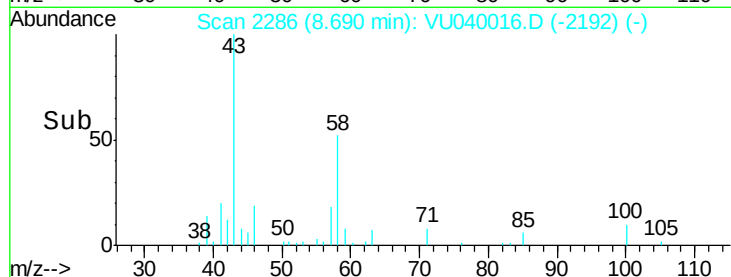
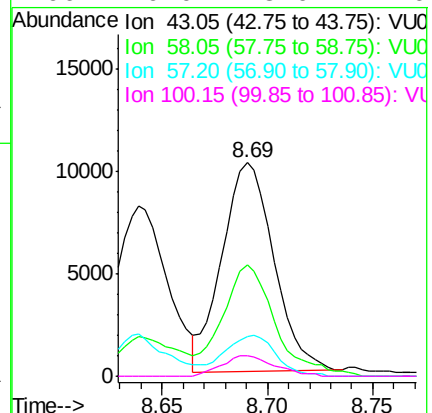
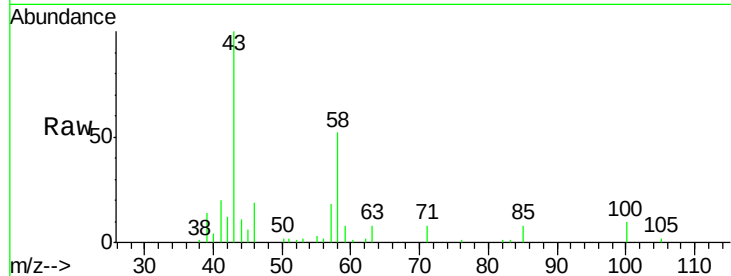
#48
2-Hexanone
Concen: 2.193 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion:	43	Resp:	17486
Ion	Ratio	Lower	Upper
43	100		
58	54.2	39.6	59.4
57	19.6	14.3	21.5
100	10.0	8.0	12.0

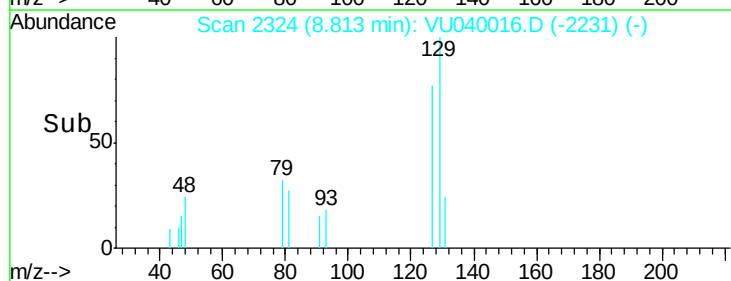
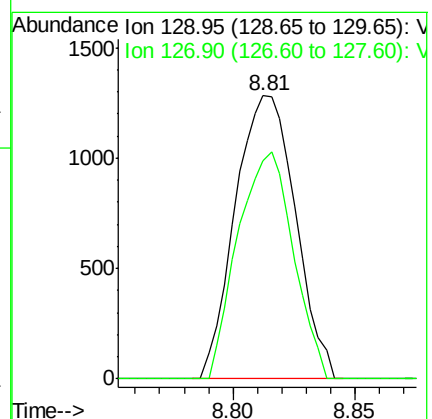
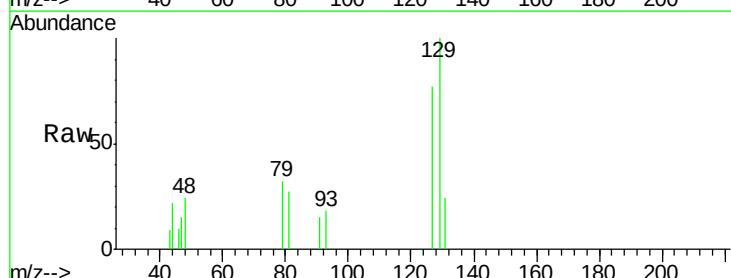
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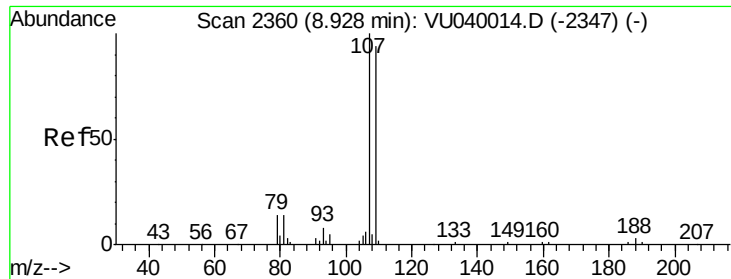
MMDadoda
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#49
Dibromochloromethane
Concen: 0.189 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion:	129	Resp:	2198
Ion	Ratio	Lower	Upper
129	100		
127	77.1	53.7	99.7





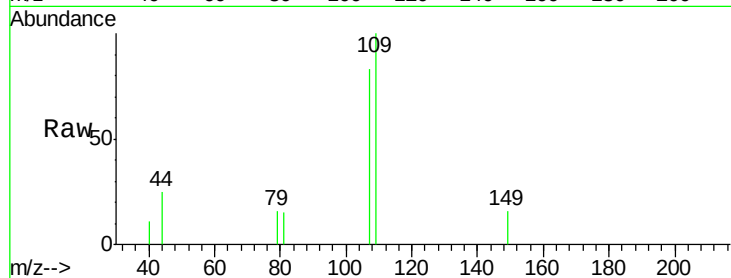
#50
 1,2-Dibromoethane
 Concen: 0.173 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

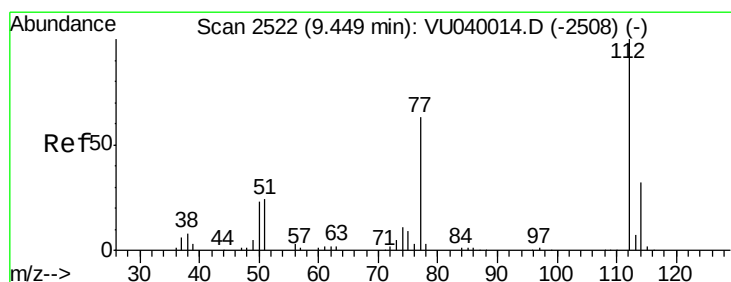
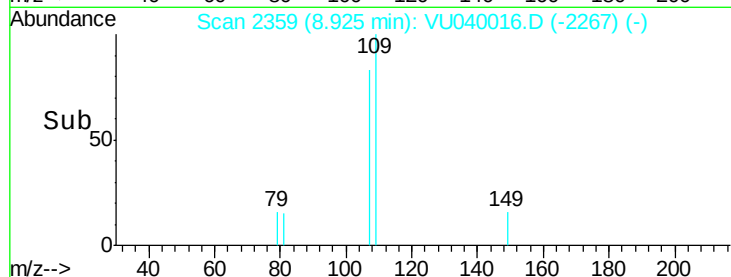
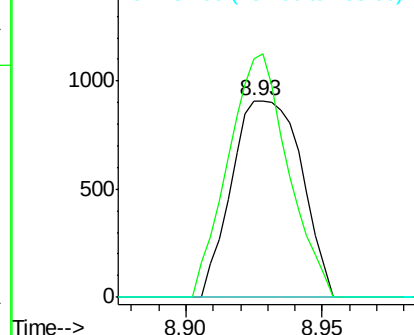
Tot Ion	Ratio	Lower	Upper
107	100		
109	121.2	62.4	115.8#
188	0.0	2.3	3.5#

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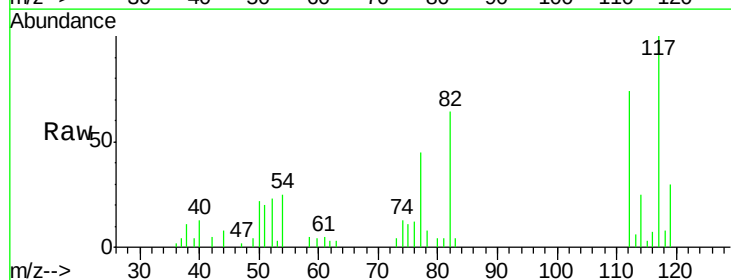


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

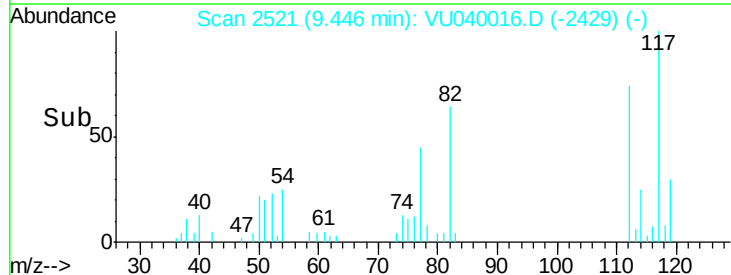
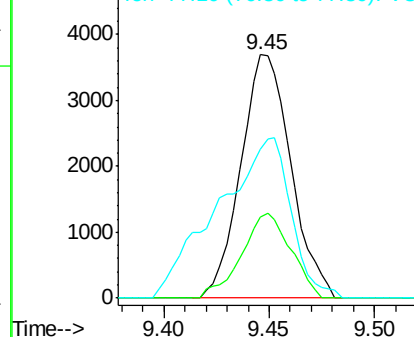


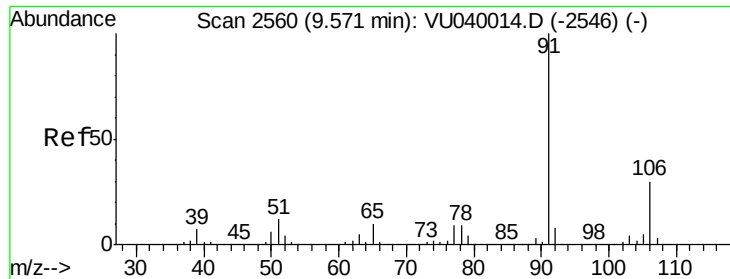
#51
 Chlorobenzene
 Concen: 0.194 ug/L
 RT: 9.45 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.4	22.7	42.3
77	60.9	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: 0.193 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tot Ion: 91 Resp: 11087

Ion Ratio Lower Upper

91 100

106 30.5 21.0 39.0

Instrument :

MSVOA_U

ClientSampleId :

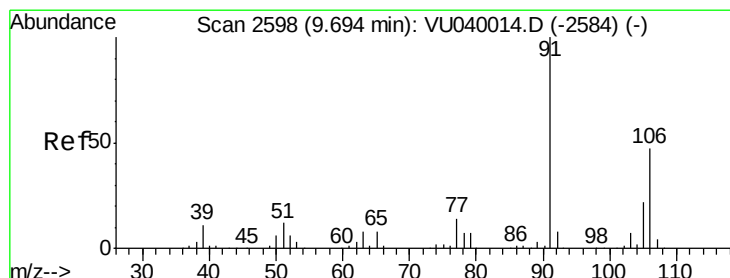
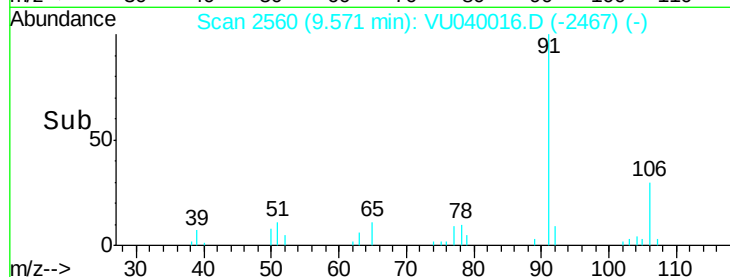
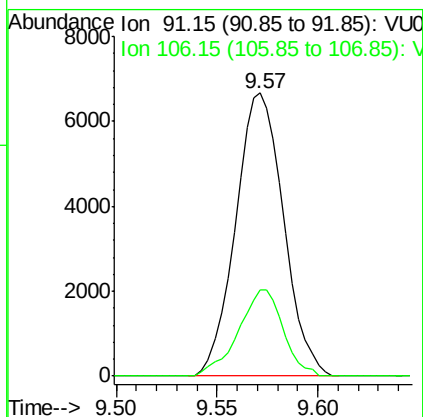
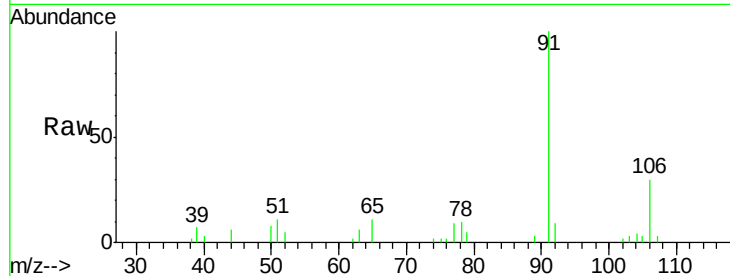
MDL01

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#53

m,p-Xylene

Concen: 0.194 ug/L

RT: 9.70 min Scan# 2599

Delta R.T. 0.00 min

Lab File: VU040016.D

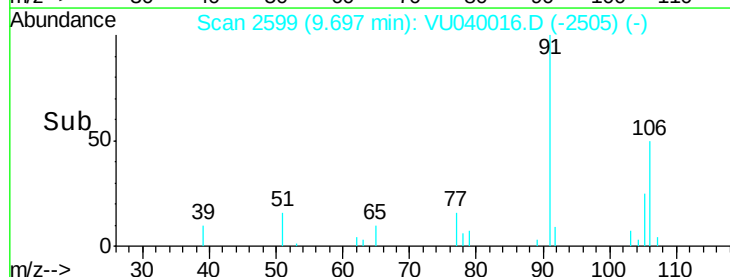
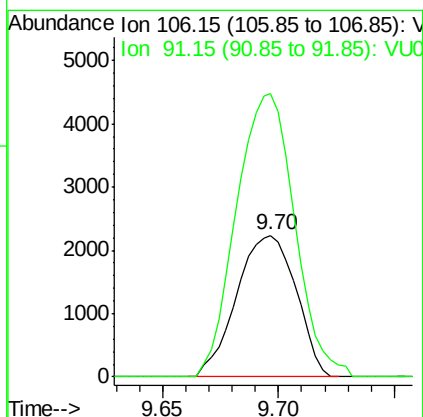
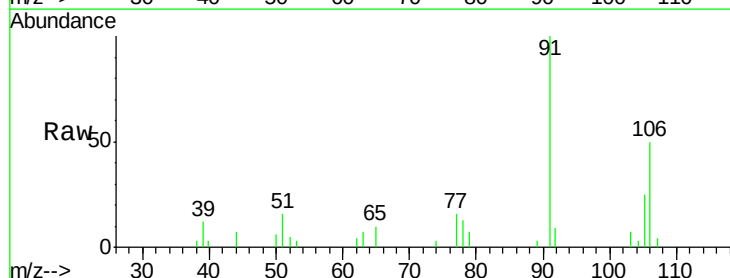
Acq: 02 Sep 2020 10:59

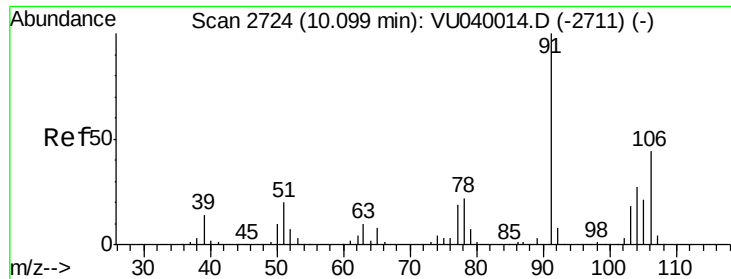
Tgt Ion: 106 Resp: 3967

Ion Ratio Lower Upper

106 100

91 199.4 151.7 281.7





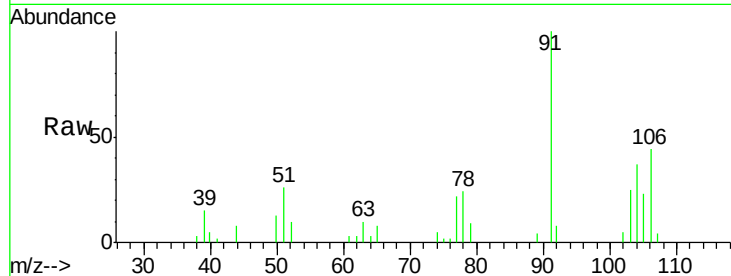
#54
o-Xylene
Concen: 0.169 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampled :
MDL01

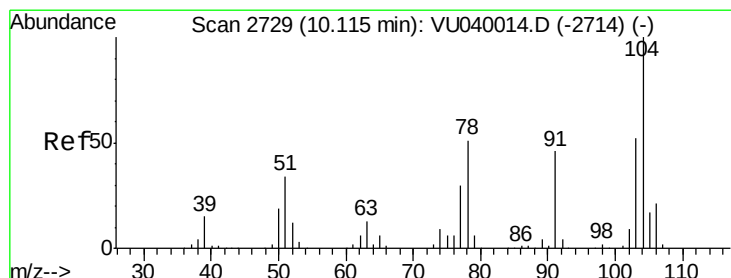
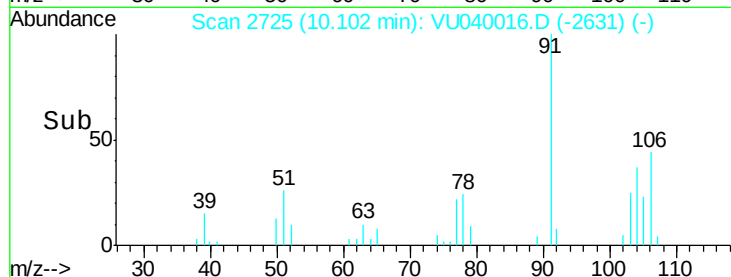
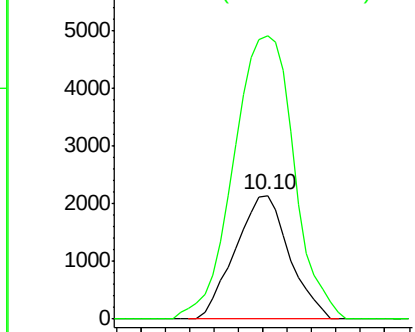
Tot Ion:106 Resp: 3297
Ion Ratio Lower Upper
106 100
91 228.8 160.8 298.6

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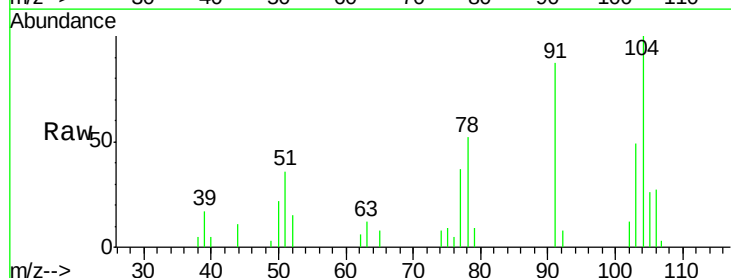


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

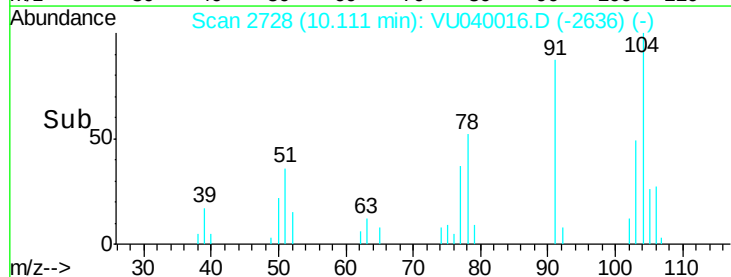
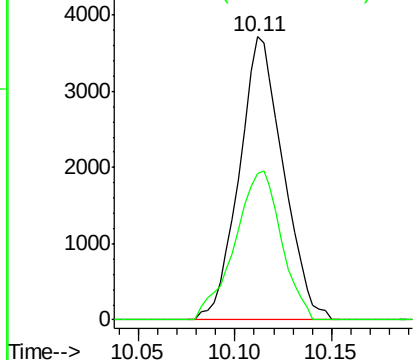


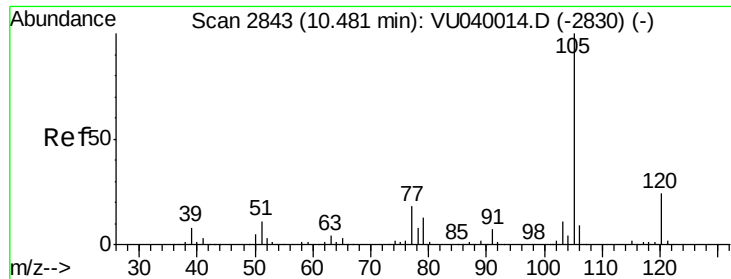
#55
Styrene
Concen: 0.173 ug/L
RT: 10.11 min Scan# 2728
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion:104 Resp: 5868
Ion Ratio Lower Upper
104 100
78 51.9 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: 0.170 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

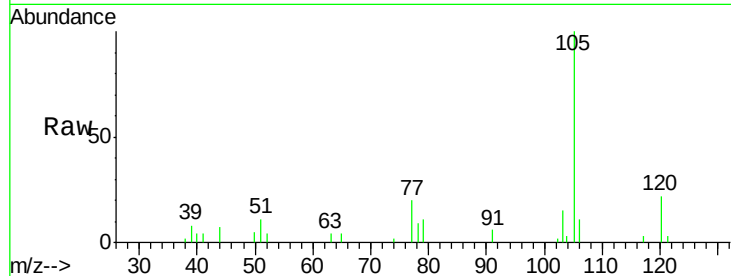
ClientSampleId :

MDL01

Tot Ion:	105	Resp:	9049
Ion Ratio	Lower	Upper	
105	100		
120	24.5	20.1	30.1
77	21.0	14.4	21.6

Manual Integrations
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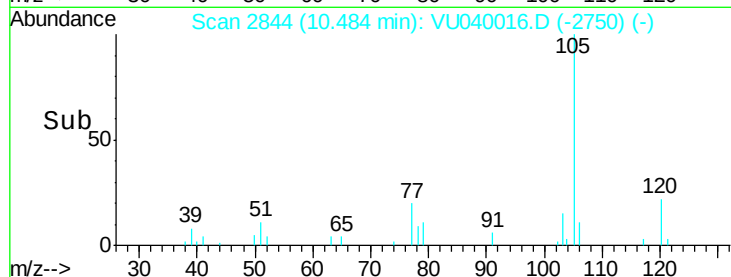


Abundance Ion 105.05 (104.75 to 105.75): V

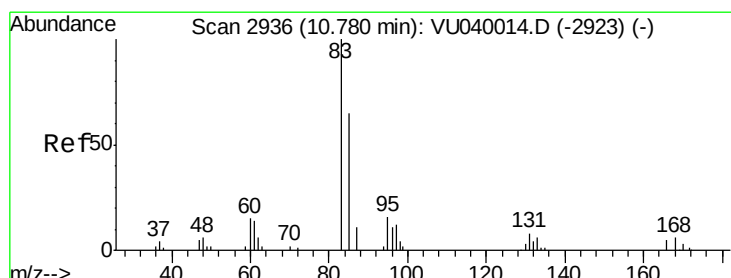
Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

Time-->



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 0.200 ug/L

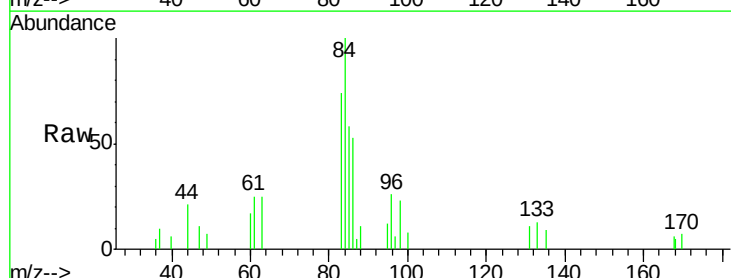
RT: 10.78 min Scan# 2936

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion:	83	Resp:	2492
Ion Ratio	Lower	Upper	
83	100		
85	78.3	44.9	83.3
131	14.6	7.4	11.0#

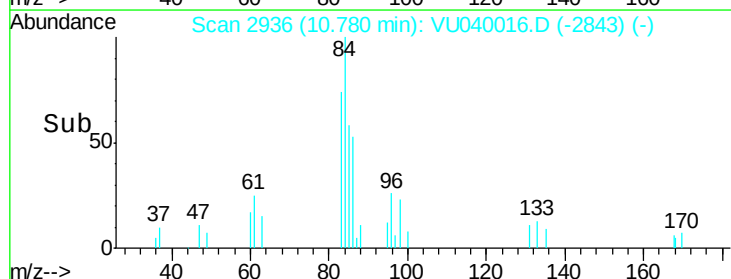


Abundance Ion 82.95 (82.65 to 83.65): VU0

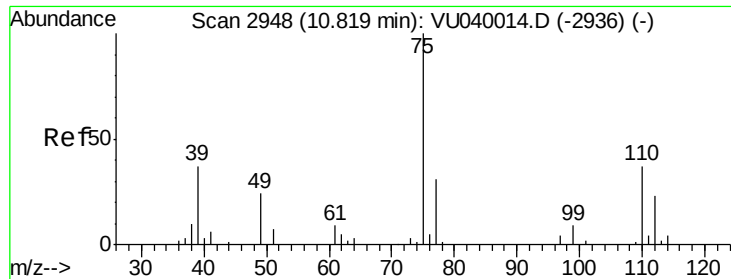
Ion 85.00 (84.70 to 85.70): VU0

Ion 130.95 (130.65 to 131.65): V

Time-->



Time-->



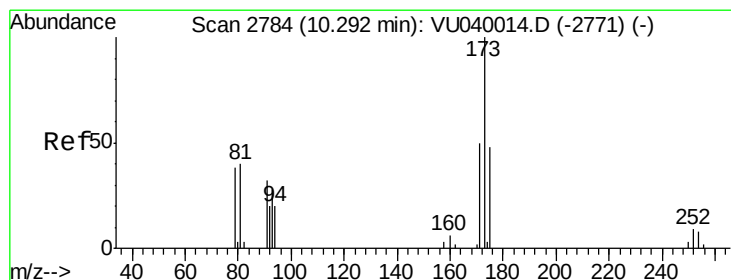
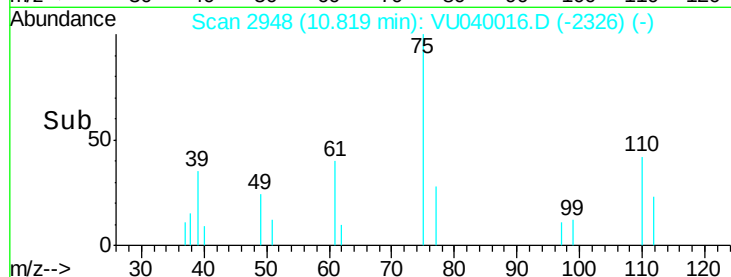
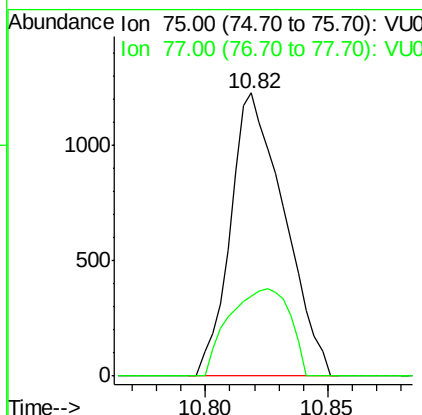
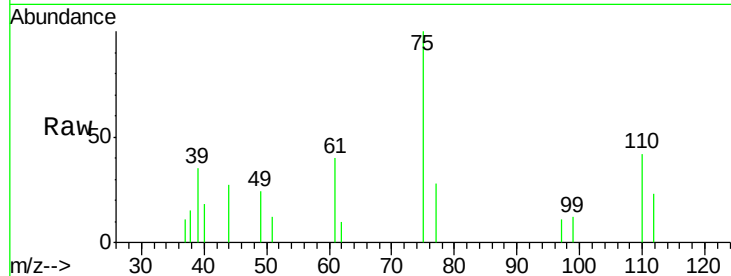
#59
 1,2,3-Trichloropropane
 Concen: 0.190 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion: 75 Resp: 1880
 Ion Ratio Lower Upper
 75 100
 77 34.9 24.9 37.3

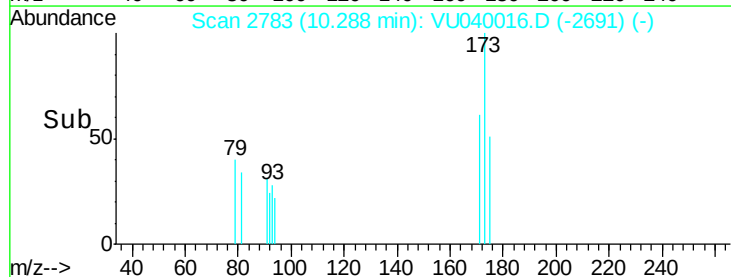
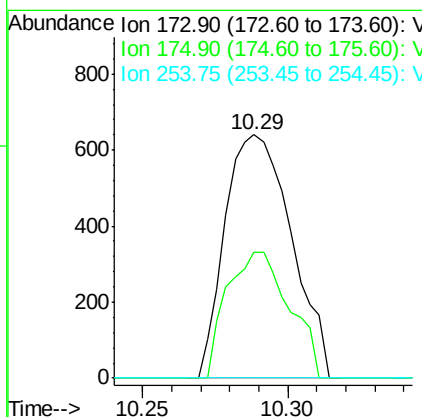
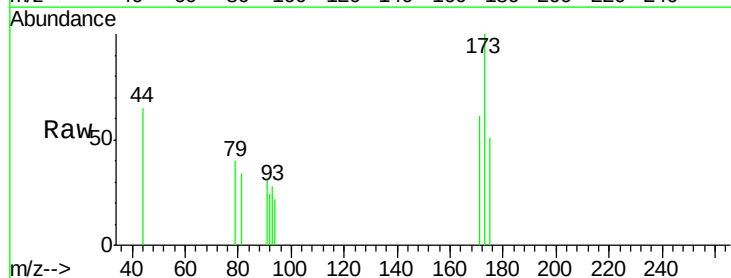
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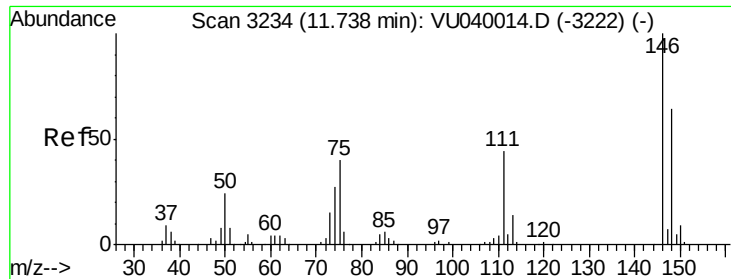
MMDadoda
 9/4/2020 1:59:53 PM



#61
 Bromoform
 Concen: 0.169 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion: 173 Resp: 1018
 Ion Ratio Lower Upper
 173 100
 175 48.5 37.8 56.6
 254 0.0 6.8 10.2#





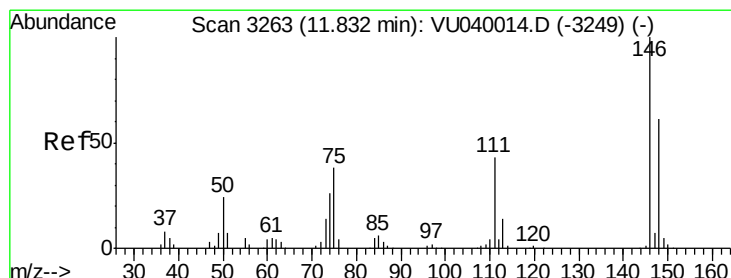
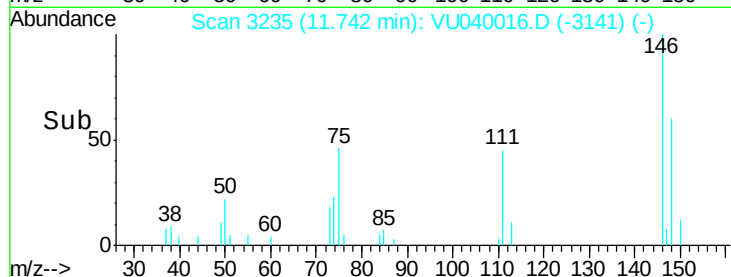
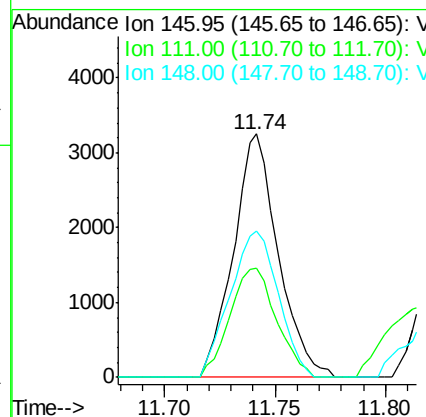
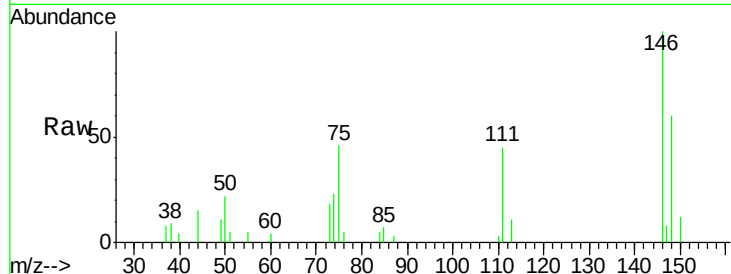
#62
 1,3-Dichlorobenzene
 Concen: 0.191 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.7	31.6	58.8
148	59.9	44.2	82.0

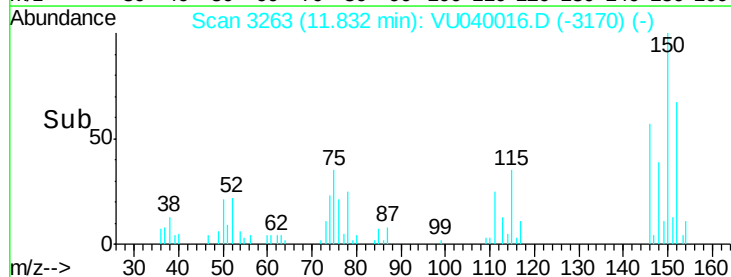
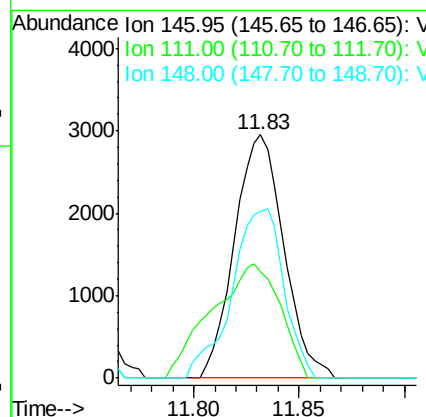
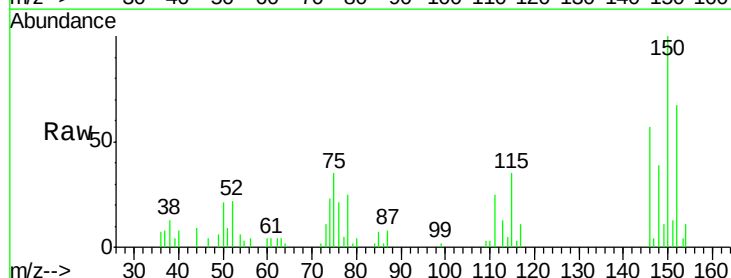
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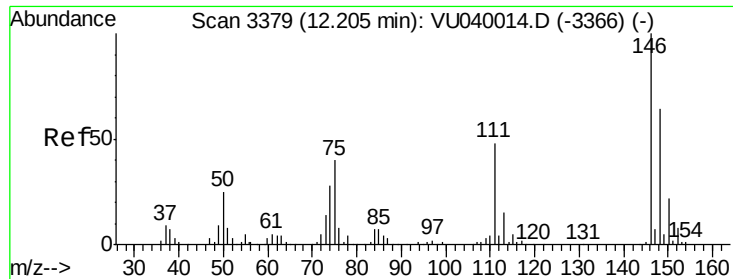
MMDadoda
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#63
 1,4-Dichlorobenzene
 Concen: 0.197 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.8	30.5	56.7
148	68.7	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 0.208 ug/L

RT: 12.20 min Scan# 3379

Delta R.T. -0.00 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Instrument :

MSVOA_U

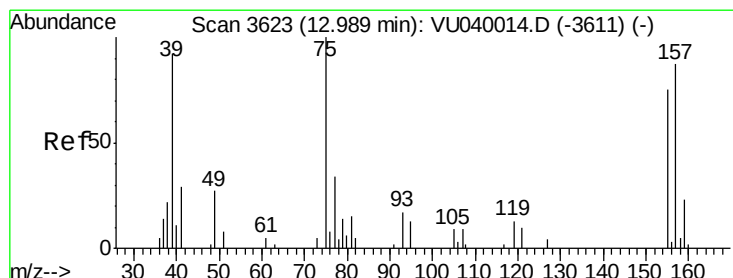
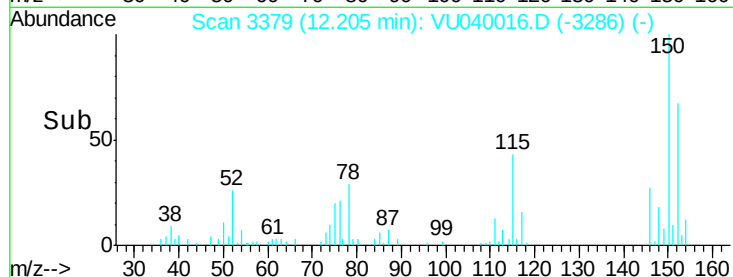
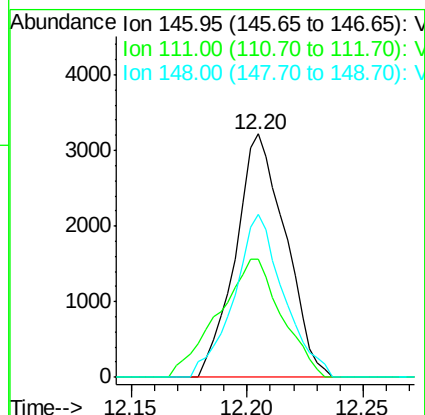
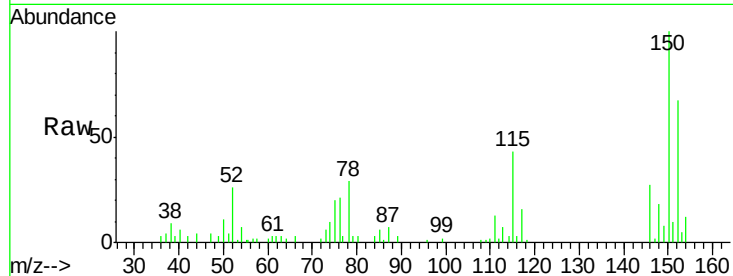
ClientSampled :

MDL01

Tot Ion:	146	Resp:	4820
Ion Ratio	Lower	Upper	
146	100		
111	48.3	36.5	54.7
148	66.9	48.6	72.8

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#66

1,2-Dibromo-3-chloropropane

Concen: 0.159 ug/L

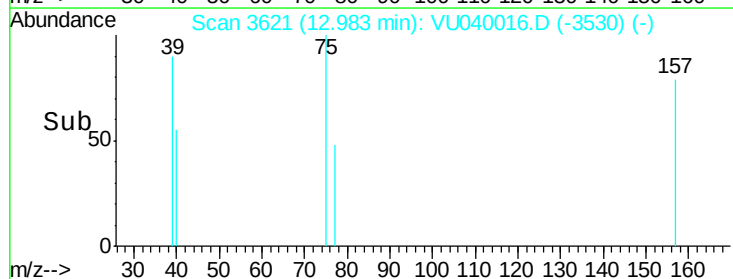
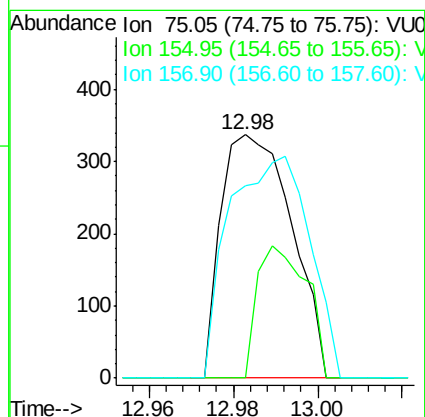
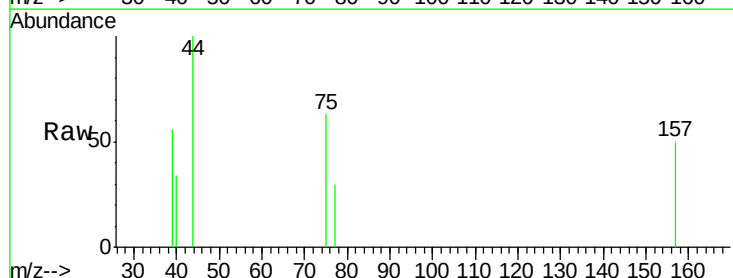
RT: 12.98 min Scan# 3621

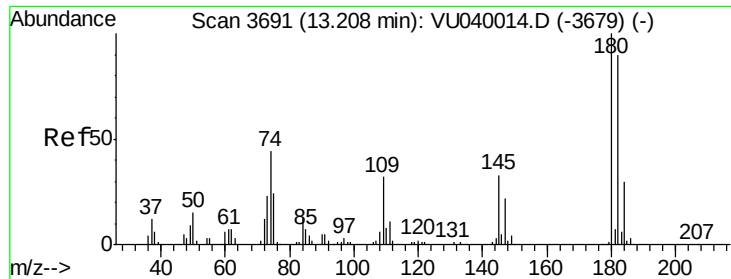
Delta R.T. -0.01 min

Lab File: VU040016.D

Acq: 02 Sep 2020 10:59

Tgt Ion:	75	Resp:	394
Ion Ratio	Lower	Upper	
75	100		
155	0.0	54.6	82.0#
157	79.2	75.6	113.4





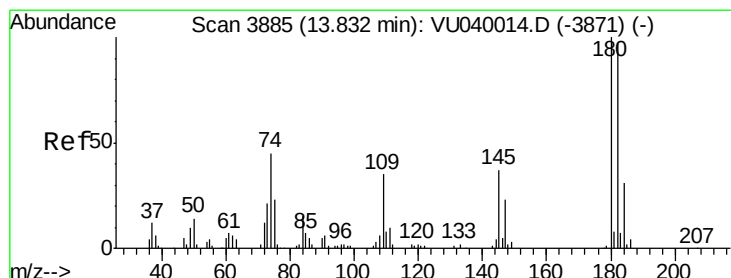
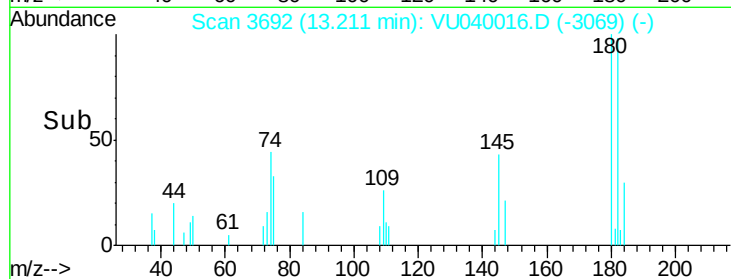
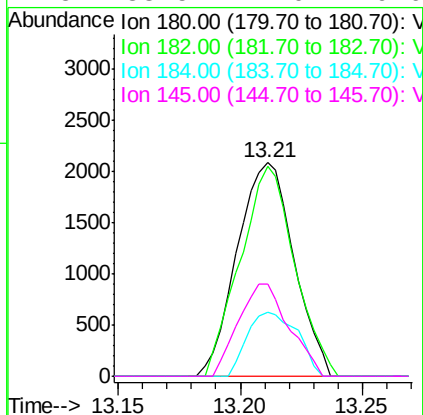
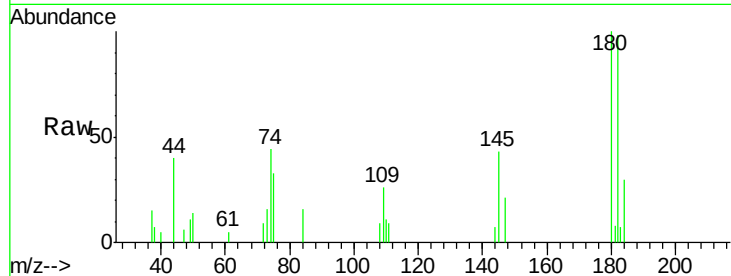
#67
 1,3,5-Trichlorobenzene
 Concen: 0.199 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Instrument :
 MSVOA_U
 ClientSampled :
 MDL01

Tot Ion:	180	Resp:	3352
Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.9	115.3
184	26.6	24.6	36.8
145	38.5	27.0	40.6

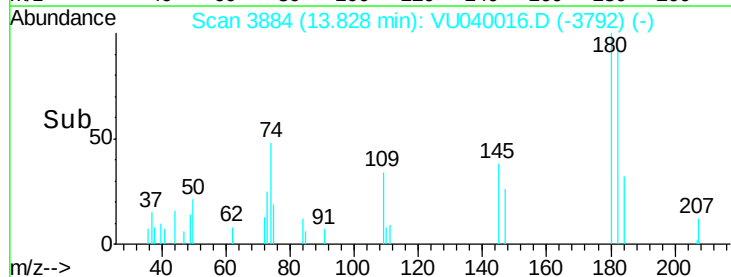
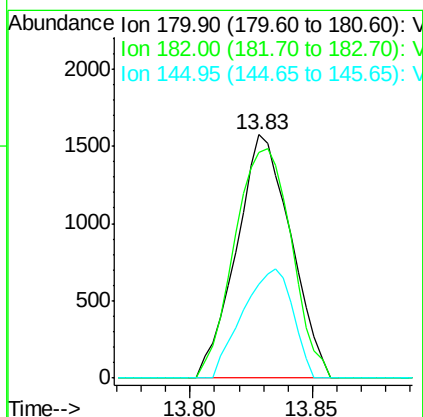
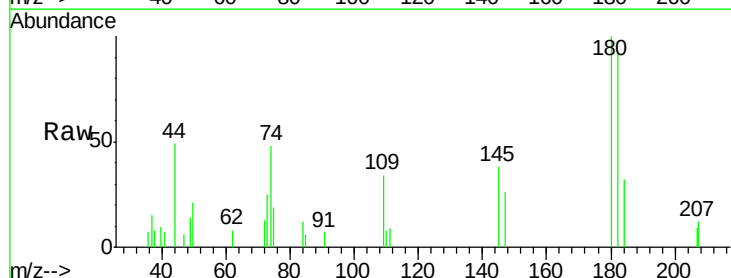
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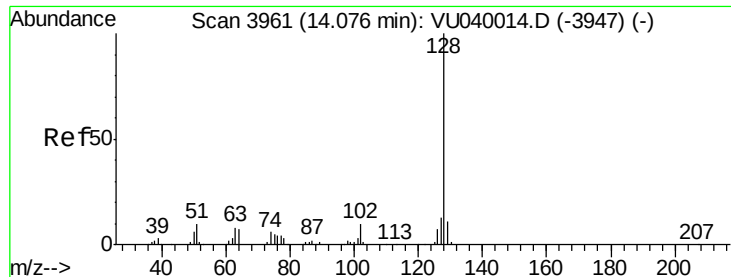
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#68
 1,2,4-trichlorobenzene
 Concen: 0.167 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VU040016.D
 Acq: 02 Sep 2020 10:59

Tgt Ion:	180	Resp:	2431
Ion	Ratio	Lower	Upper
180	100		
182	99.1	76.0	114.0
145	41.4	28.4	42.6





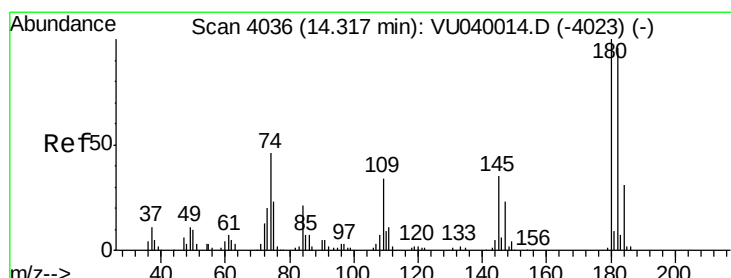
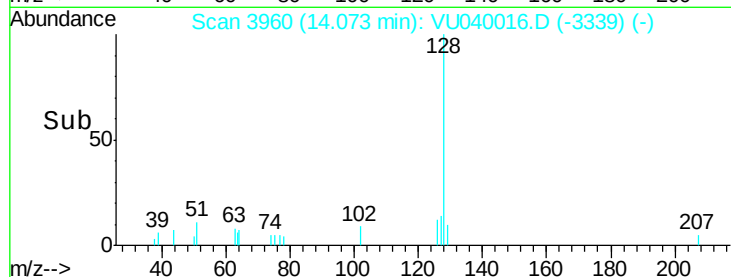
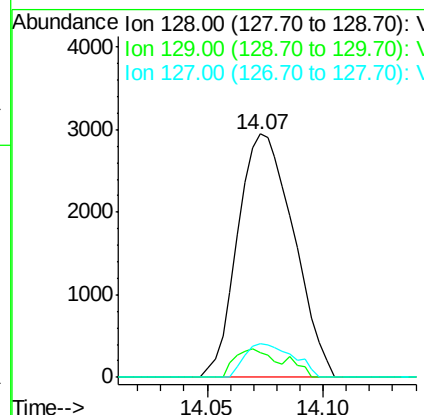
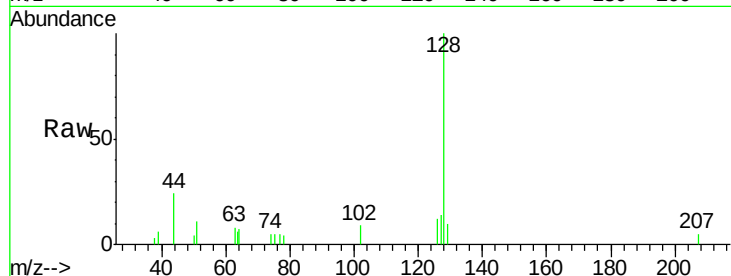
#69
Naphthalene
Concen: 0.163 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. -0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Instrument :
MSVOA_U
ClientSampleId :
MDL01

Tot Ion	Ratio	Lower	Upper
128	100		
129	7.9	8.7	13.1#
127	12.0	10.7	16.1

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#70
1,2,3-Trichlorobenzene
Concen: 0.185 ug/L
RT: 14.32 min Scan# 4037
Delta R.T. 0.00 min
Lab File: VU040016.D
Acq: 02 Sep 2020 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.0	77.8	116.6
145	21.6	28.7	43.1#

