

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U042619\
 Data File : VU031514.D
 Acq On : 26 Apr 2019 00:17
 Operator : JC/SP
 Sample : K2241-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:58 PM

Quant Time: Apr 26 11:59:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 11:53:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	66011m	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.31	95	17849	0.77	ug/l	0.00
Spiked Amount 1.000			Recovery	=	77.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	18643	0.87	ug/l	0.00
Spiked Amount 1.000			Recovery	=	87.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.20	85	8465	0.284	ug/l	91
3) Chloromethane	1.32	50	10446	0.294	ug/l	93
4) Vinyl Chloride	1.40	62	8697	0.257	ug/l #	67
5) Bromomethane	1.63	94	5644	0.344	ug/l	86
6) Chloroethane	1.70	64	5311	0.284	ug/l #	74
7) Trichlorofluoromethane	1.88	101	9792	0.254	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	5395	0.284	ug/l	91
9) 1,1-Dichloroethene	2.28	96	4826	0.255	ug/l	90
11) Allyl Chloride	2.59	41	10886	0.263	ug/l	94
12) Acrylonitrile	2.94	53	3563	0.622	ug/l #	79
13) Acetone	2.33	43	9915	1.900	ug/l	100
14) Carbon Disulfide	2.48	76	20220	0.279	ug/l #	94
15) Methylene Chloride	2.70	84	9064	0.378	ug/l	90
16) trans-1,2-Dichloroethene	2.98	96	6132	0.290	ug/l	93
17) 1,1-Dichloroethane	3.44	63	12352	0.280	ug/l #	92
18) 2-Butanone	4.30	43	8463m	1.241	ug/l	
19) Cyclohexane	4.99	56	7852m	0.231	ug/l	
20) Methylcyclohexane	6.41	83	6165	0.226	ug/l	99
21) 2,2-Dichloropropane	4.22	77	7531	0.234	ug/l #	85
22) cis-1,2-Dichloroethene	4.22	96	5319	0.235	ug/l	64
23) Diethyl Ether	2.10	59	4373	0.241	ug/l #	76
24) tert-Butyl Alcohol	2.84	59	5503	2.929	ug/l	99
25) Methyl tert-Butyl Ether	3.00	73	14725	0.268	ug/l #	79
26) Bromochloromethane	4.55	128	2663	0.279	ug/l	93
27) Chloroform	4.67	83	11785	0.288	ug/l	93
28) 1,1,1-Trichloroethane	4.91	97	8681	0.252	ug/l	98
29) 1,1-Dichloropropene	5.13	75	6663	0.239	ug/l	99
30) Carbon Tetrachloride	5.13	117	7913m	0.270	ug/l	
31) Isopropyl Ether	3.57	45	16803	0.254	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	12990	0.242	ug/l #	80
33) Tert-Amyl methyl ether	5.58	73	10296	0.242	ug/l #	91
34) Propionitrile	4.37	54	1757	0.961	ug/l #	56
35) Benzene	5.39	78	20824	0.244	ug/l #	88
36) 1,2-Dichloroethane	5.40	62	6979m	0.251	ug/l	
37) Trichloroethene	6.18	130	6034	0.289	ug/l	99
38) 1,2-Dichloropropane	6.44	63	5748	0.239	ug/l	99
41) Tetrahydrofuran	4.67	42	2616	0.622	ug/l #	61
42) 1-Chlorobutane	5.06	56	9610	0.227	ug/l	92
43) Dibromomethane	6.56	93	3160	0.267	ug/l	89
44) Bromodichloromethane	6.76	83	7295	0.248	ug/l #	88
45) 4-Methyl-2-Pentanone	7.47	43	15119	1.067	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU042619\
 Data File : VU031514.D
 Acq On : 26 Apr 2019 00:17
 Operator : JC/SP
 Sample : K2241-07
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 12:22:58 PM

Quant Time: Apr 26 11:59:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Apr 26 11:53:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) t-1,4-Dichloro-2-butene	10.53	75	1178m	0.271	ug/l	
47) Methyl methacrylate	6.65	69	2702	0.295	ug/l	72
48) Ethyl methacrylate	8.04	69	3225m	0.203	ug/l	
49) Toluene	7.65	92	9450	0.213	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	6144	0.218	ug/l #	92
52) 1,1,2-Trichloroethane	8.07	97	3844	0.249	ug/l	92
53) 1,3-Dichloropropane	8.25	76	5729	0.211	ug/l	94
54) 2-Hexanone	8.38	43	7826m	0.819	ug/l	
55) Dibromochloromethane	8.48	129	4341	0.249	ug/l	97
56) 1,2-Dibromoethane	8.59	107	3089	0.223	ug/l	94
58) Tetrachloroethene	8.22	164	5096	0.253	ug/l	92
59) Chlorobenzene	9.12	112	10376	0.223	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.21	131	4688	0.258	ug/l	92
61) Pentachloroethane	11.10	117	2913	0.227	ug/l	95
62) Hexachloroethane	12.14	117	3033	0.240	ug/l	89
64) m/p-Xylenes	9.38	106	9329	0.327	ug/l	99
67) Bromoform	9.96	173	2162	0.222	ug/l #	37
70) 1,1,2,2-Tetrachloroethane	10.46	83	5096	0.256	ug/l	92
71) 1,2,3-Trichloropropane	10.49	75	3604m	0.249	ug/l	
72) Bromobenzene	10.46	156	3962	0.215	ug/l	96
73) n-propylbenzene	10.59	120	3799	0.202	ug/l	93
82) 1,3-Dichlorobenzene	11.42	146	7876m	0.217	ug/l	
85) 1,2-Dichlorobenzene	11.88	146	7766	0.225	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	741	0.259	ug/l #	67
87) 1,2,4-Trichlorobenzene	13.52	180	3570m	0.204	ug/l	
88) Hexachlorobutadiene	13.69	225	3239	0.255	ug/l	96
89) Naphthalene	13.76	128	6311m	0.211	ug/l	
90) 1,2,3-Trichlorobenzene	14.00	180	4343m	0.242	ug/l	

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

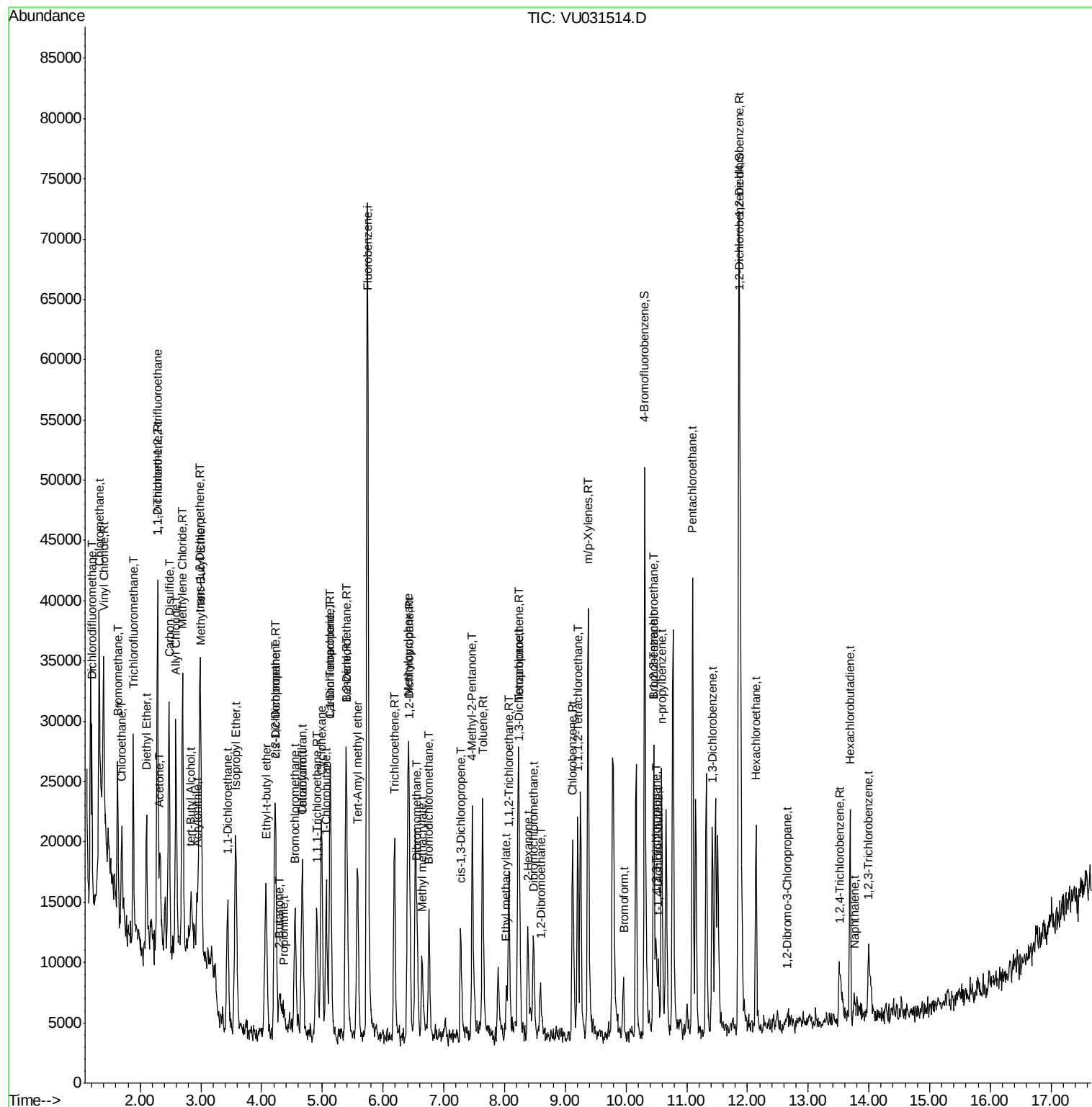
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU042619\
Data File : VU031514.D
Acq On : 26 Apr 2019 00:17
Operator : JC/SP
Sample : K2241-07
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 17 Sample Multiplier: 1

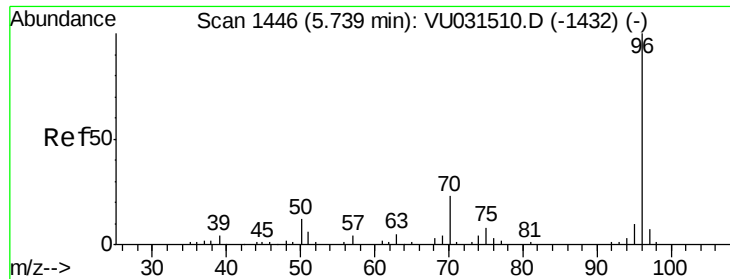
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM

Quant Time: Apr 26 11:59:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA U\METHOD\524U042619DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Fri Apr 26 11:53:16 2019
Response via : Initial Calibration





#1

Fluorobenzene

Concen: 1.000 ug/l m

RT: 5.74 min Scan# 1447

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

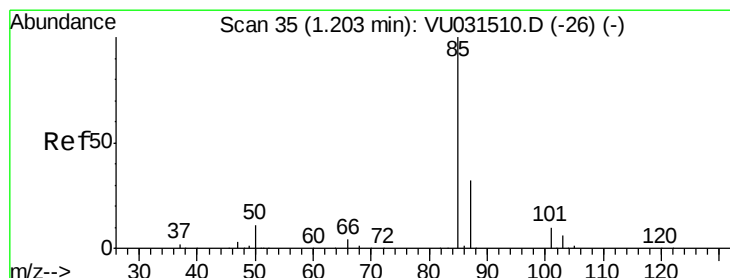
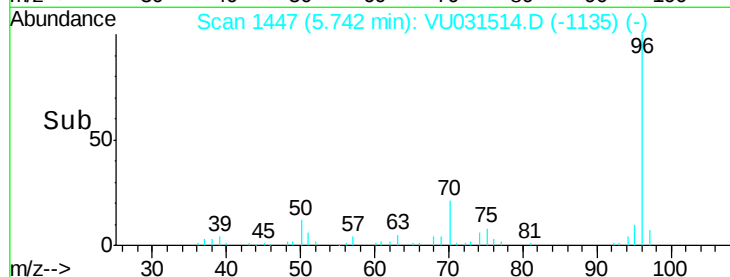
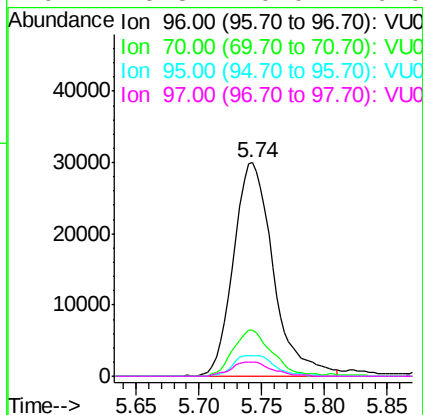
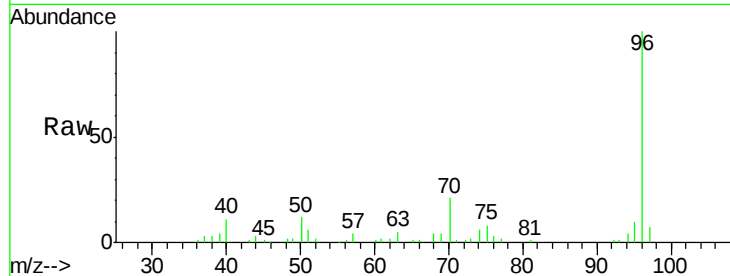
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	96	Resp:	66011
Ion Ratio	Lower	Upper	
96	100		
70	20.0	18.2	27.2
95	9.9	7.7	11.5
97	6.8	0.0	0.0#

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM



#2

Dichlorodifluoromethane

Concen: 0.284 ug/l

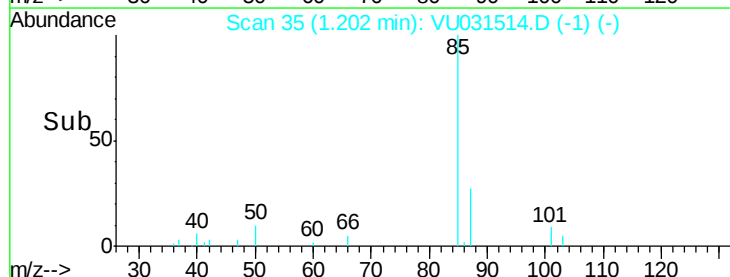
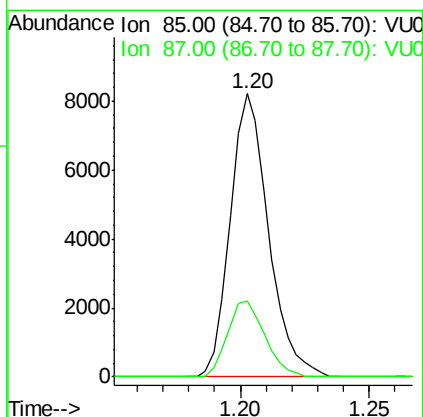
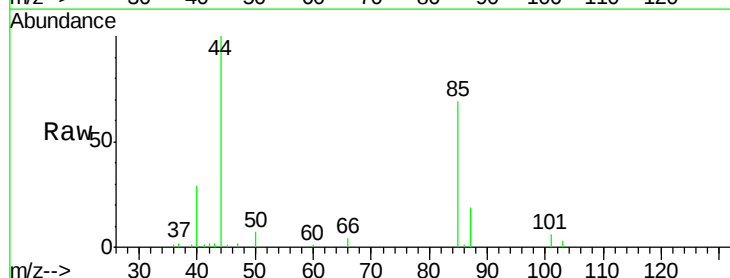
RT: 1.20 min Scan# 35

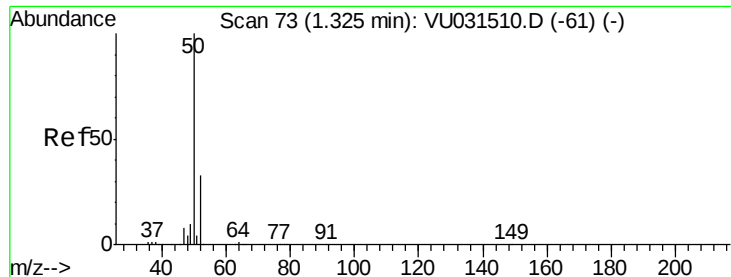
Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	85	Resp:	8465
Ion Ratio	Lower	Upper	
85	100		
87	27.0	16.1	48.2





#3

Chloromethane

Concen: 0.294 ug/l

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 50 Resp: 10446

Ion Ratio Lower Upper

50 100

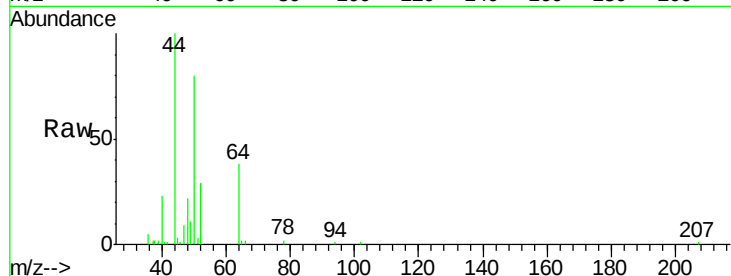
52 36.6 26.1 39.1

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0

10000

8000

6000

4000

2000

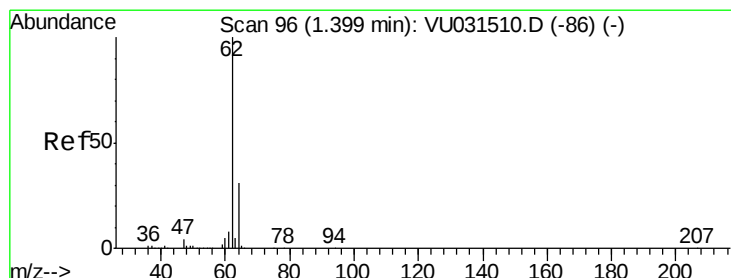
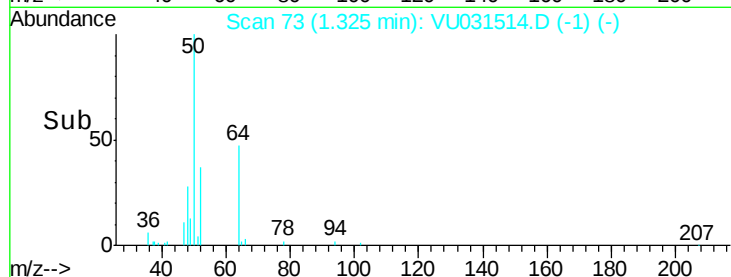
0

1.30

1.32

1.35

Time-->



#4

Vinyl Chloride

Concen: 0.257 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU031514.D

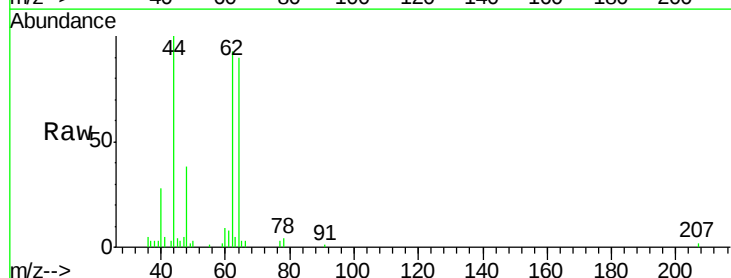
Acq: 26 Apr 2019 00:17

Tgt Ion: 62 Resp: 8697

Ion Ratio Lower Upper

62 100

64 50.0 25.5 38.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0

8000

6000

4000

2000

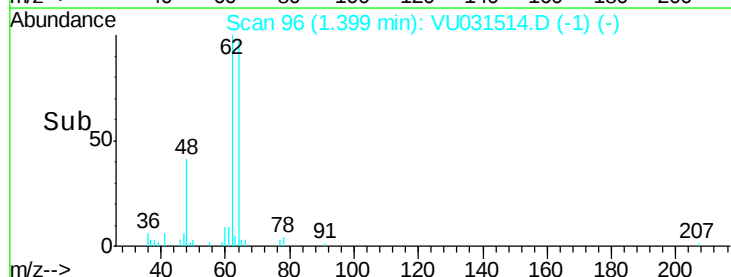
0

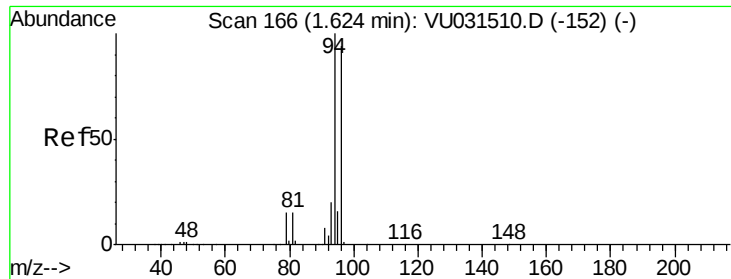
1.35

1.40

1.45

Time-->





#5

Bromomethane

Concen: 0.344 ug/l

RT: 1.63 min Scan# 167

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 94 Resp: 5644

Ion Ratio Lower Upper

94 100

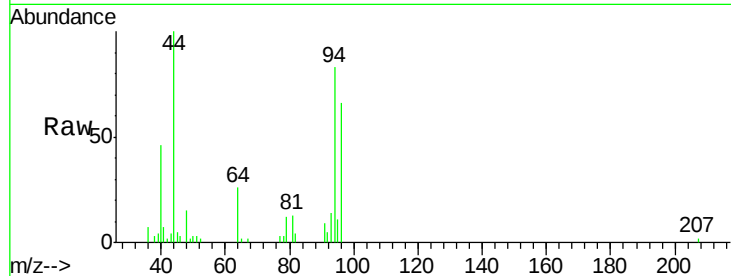
96 80.5 75.5 113.3

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



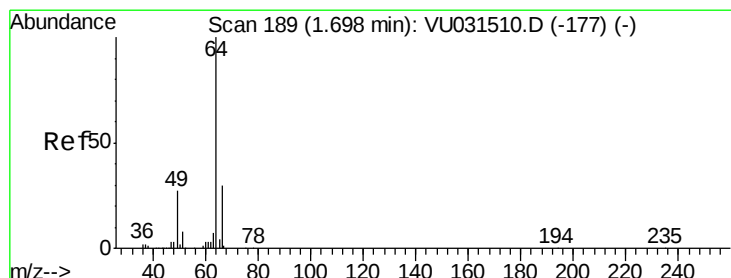
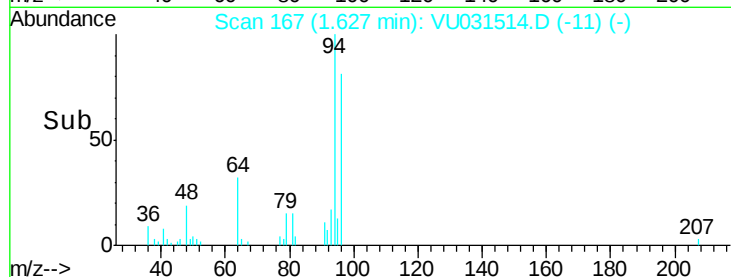
Abundance Ion 94.00 (93.70 to 94.70): VU031514.D (-167) (-)

Ion 96.00 (95.70 to 96.70): VU031514.D (-167) (-)

Time-->

1.63

1.65



#6

Chloroethane

Concen: 0.284 ug/l

RT: 1.70 min Scan# 189

Delta R.T. -0.00 min

Lab File: VU031514.D

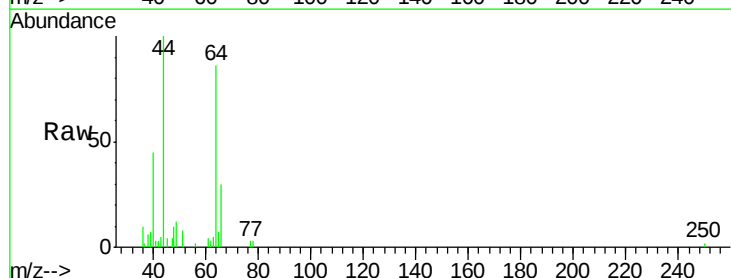
Acq: 26 Apr 2019 00:17

Tgt Ion: 64 Resp: 5311

Ion Ratio Lower Upper

64 100

66 44.6 24.3 36.5#



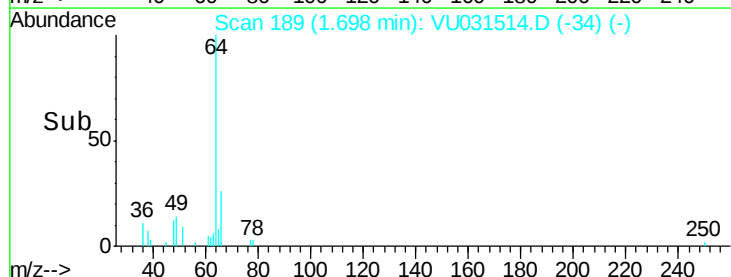
Abundance Ion 64.00 (63.70 to 64.70): VU031514.D (-189) (-)

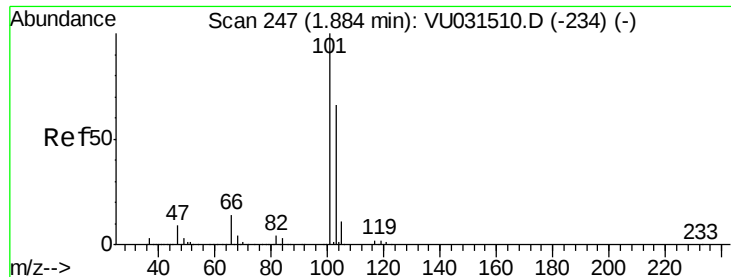
Ion 66.00 (65.70 to 66.70): VU031514.D (-189) (-)

Time-->

1.70

1.75





#7

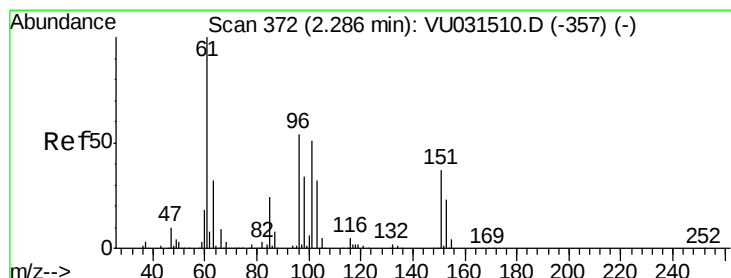
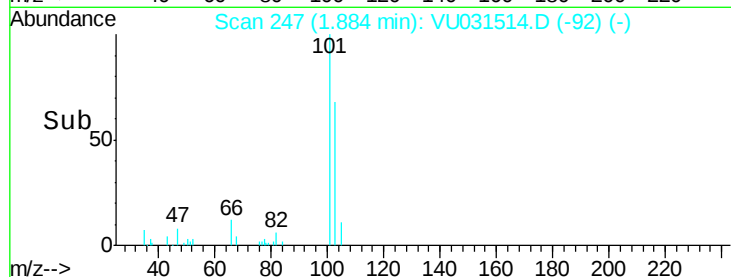
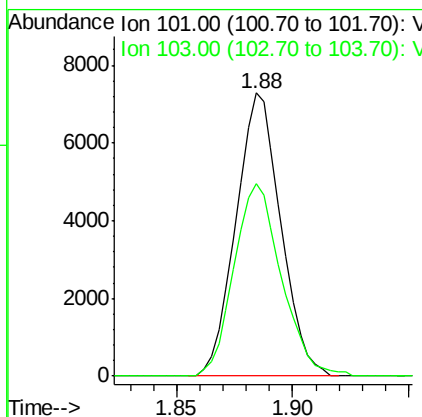
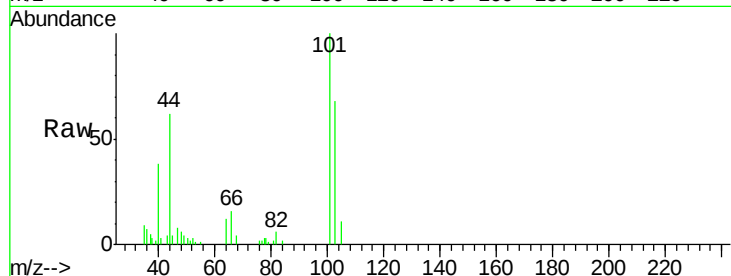
Trichlorofluoromethane
 Concen: 0.254 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.2	52.8	79.2

Manual Integrations
 APPROVED

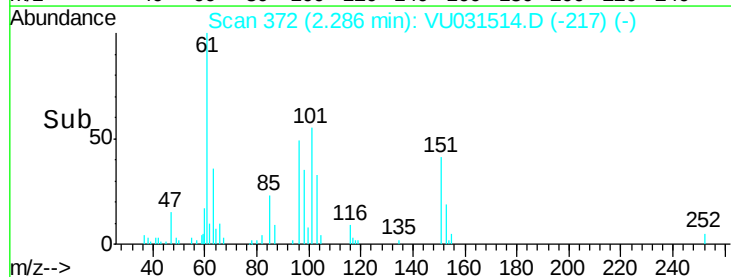
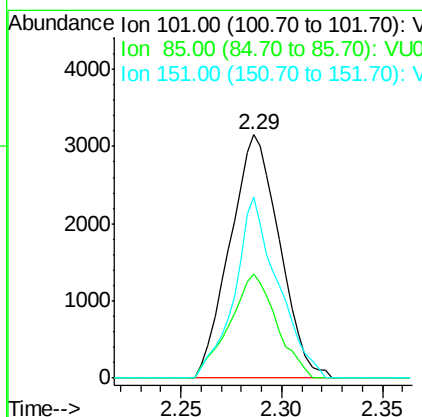
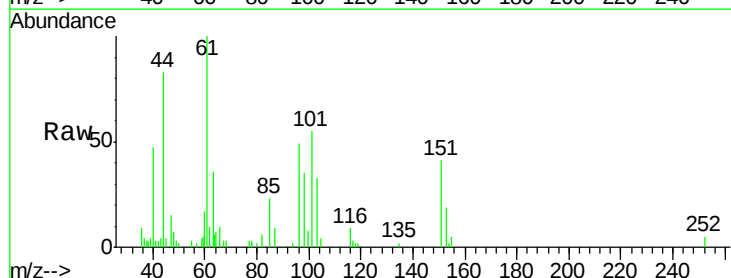
MMDadoda
 4/26/2019 12:22:58 PM

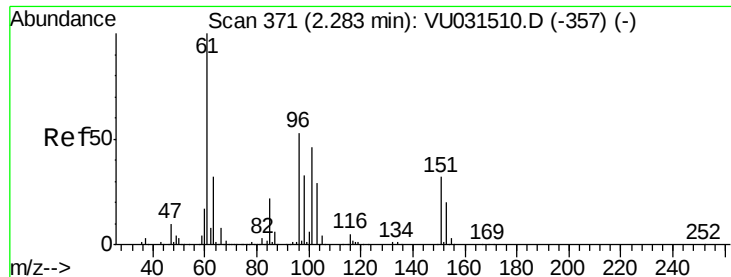


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.284 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
101	100		
85	40.4	37.8	56.6
151	65.2	57.4	86.0





#9

1,1-Dichloroethene

Concen: 0.255 ug/l

RT: 2.28 min Scan# 370

Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

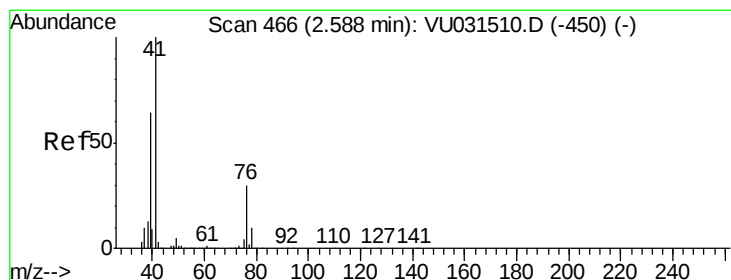
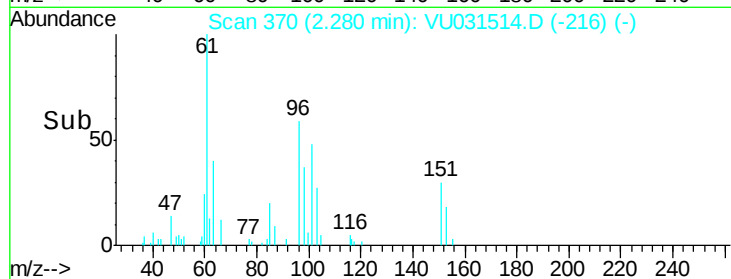
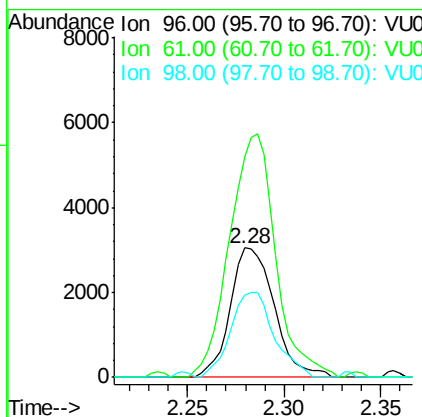
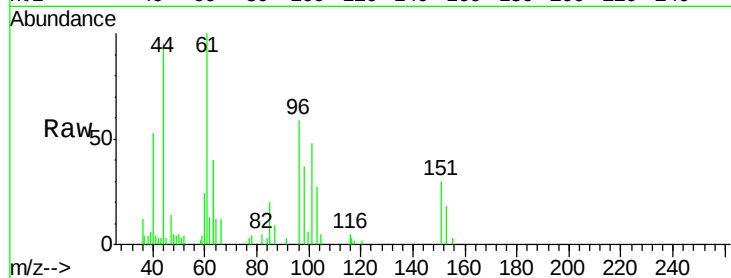
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	96	Resp:	4826
Ion	Ratio	Lower	Upper
96	100		
61	170.1	0.0	566.7
98	63.3	0.0	126.4

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM



#11

Allyl Chloride

Concen: 0.263 ug/l

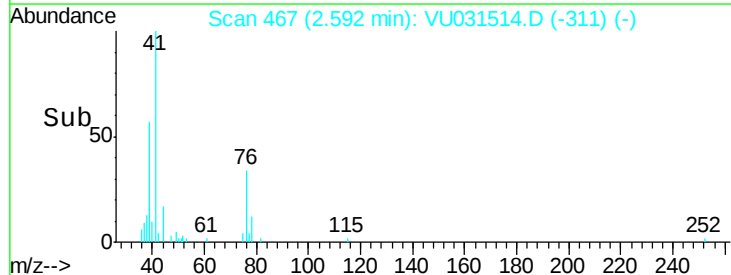
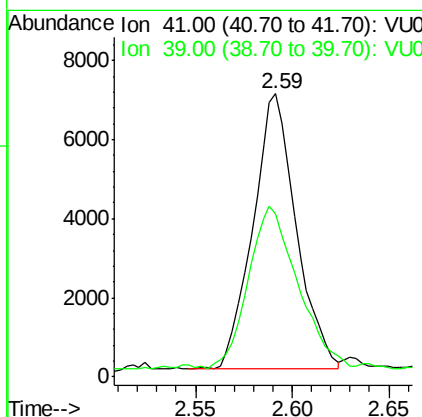
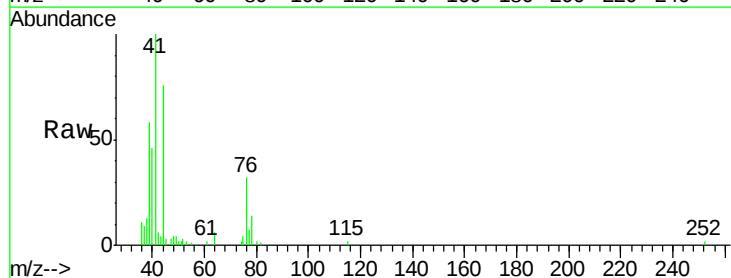
RT: 2.59 min Scan# 467

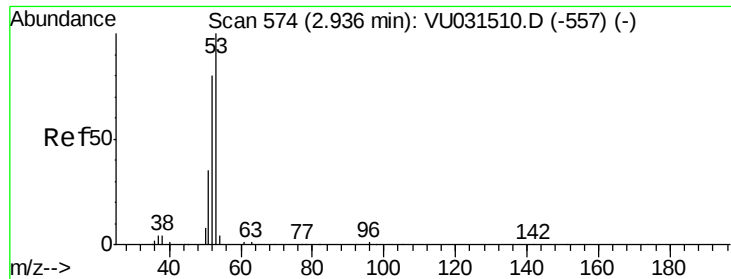
Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	41	Resp:	10886
Ion	Ratio	Lower	Upper
41	100		
39	68.5	51.4	77.0





#12

Acrylonitrile

Concen: 0.622 ug/l

RT: 2.94 min Scan# 574

Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

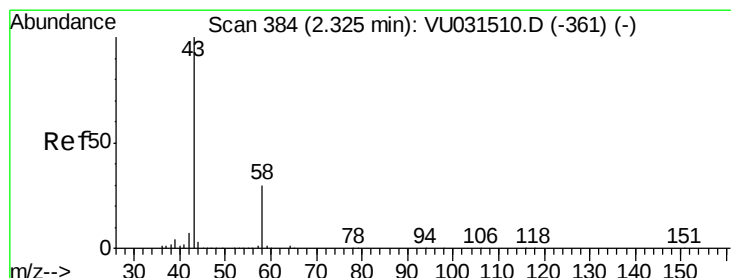
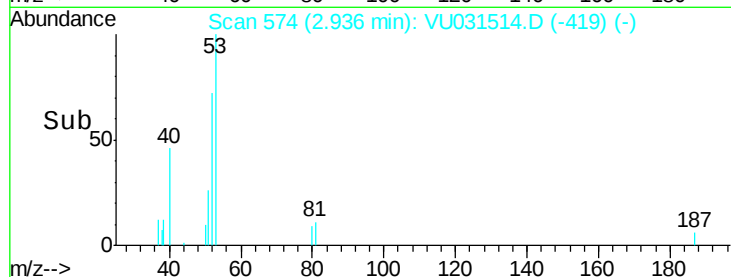
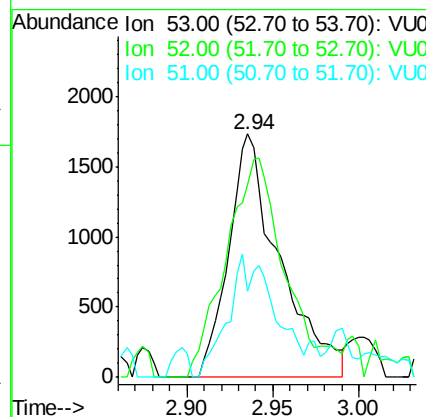
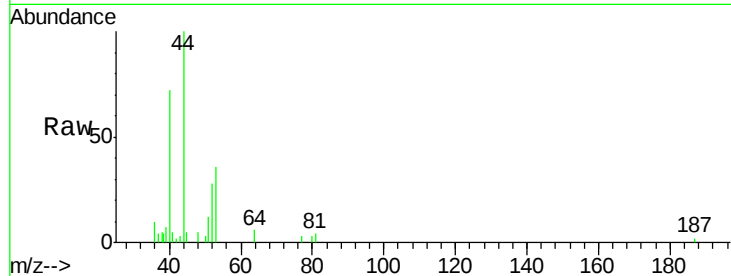
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	53	Resp:	3563
Ion	Ratio	Lower	Upper
53	100		
52	105.4	69.4	104.0#
51	20.9	27.5	41.3#

Manual Integrations
APPROVED

MMDadoda
4/26/2019 12:22:58 PM



#13

Acetone

Concen: 1.900 ug/l

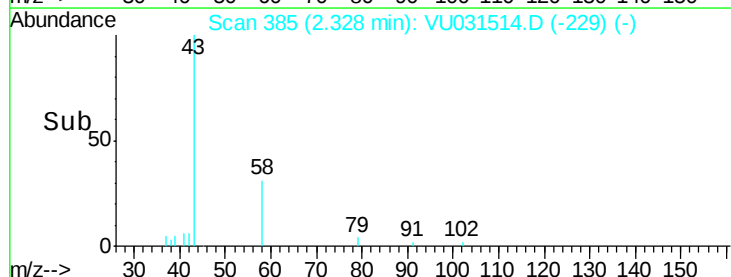
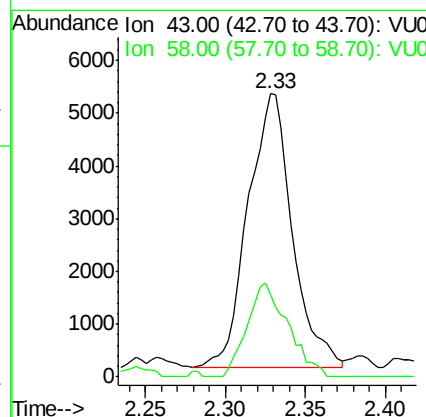
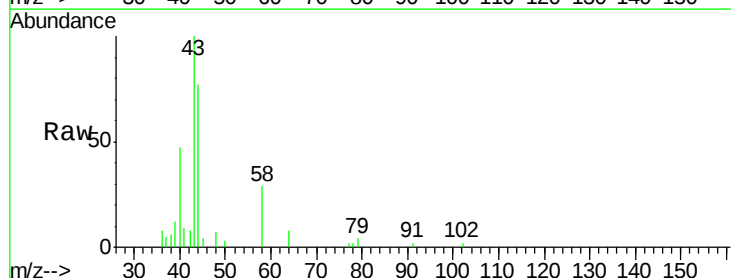
RT: 2.33 min Scan# 385

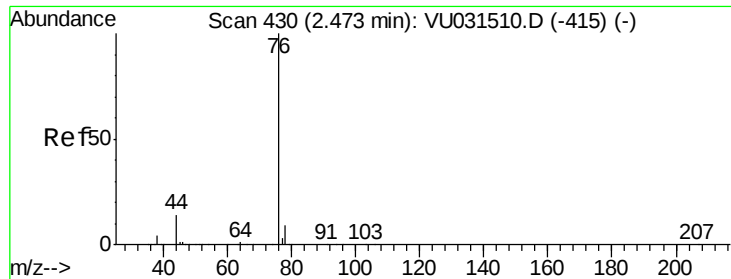
Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	43	Resp:	9915
Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.1	36.1





#14

Carbon Disulfide

Concen: 0.279 ug/l

RT: 2.48 min Scan# 431

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 20220

Ion Ratio Lower Upper

76 100

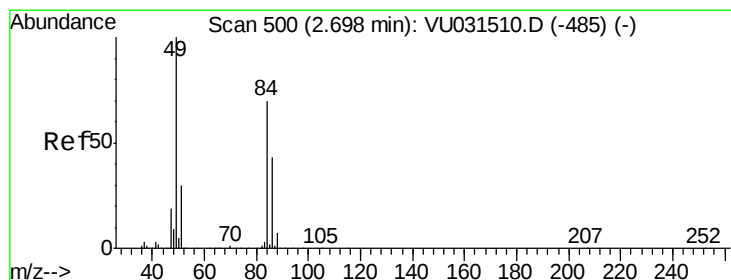
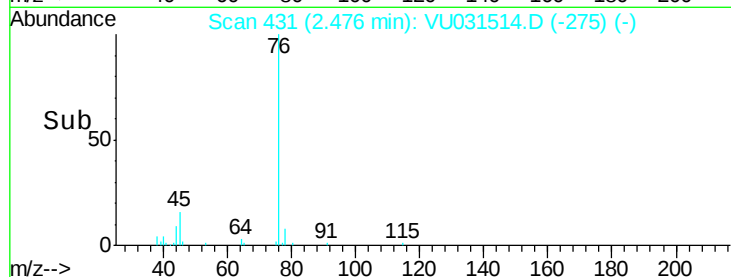
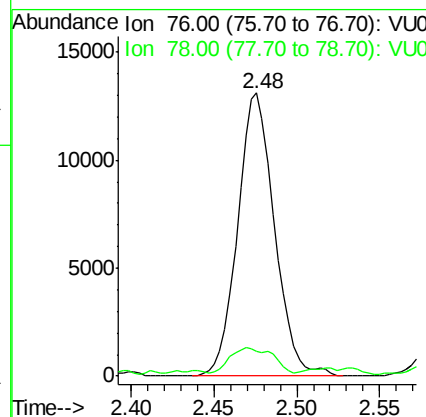
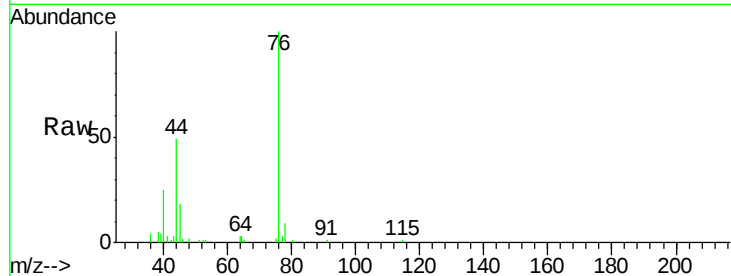
78 7.0 7.2 10.8#

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



#15

Methylene Chloride

Concen: 0.378 ug/l

RT: 2.70 min Scan# 500

Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion: 84 Resp: 9064

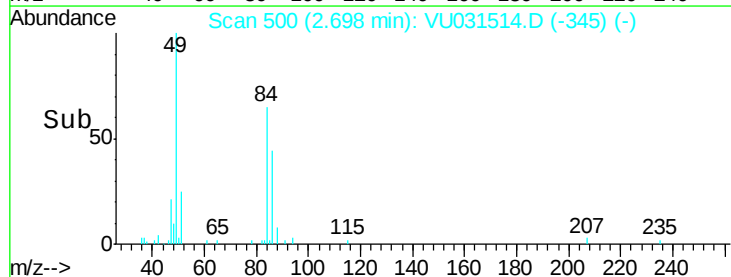
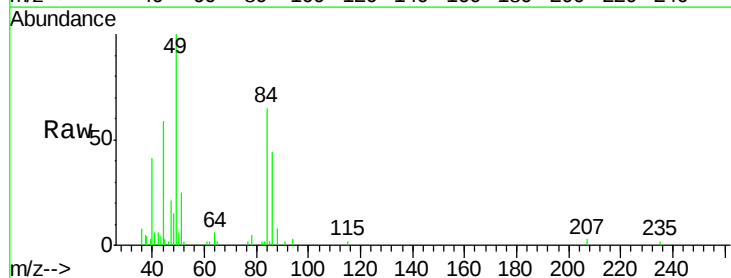
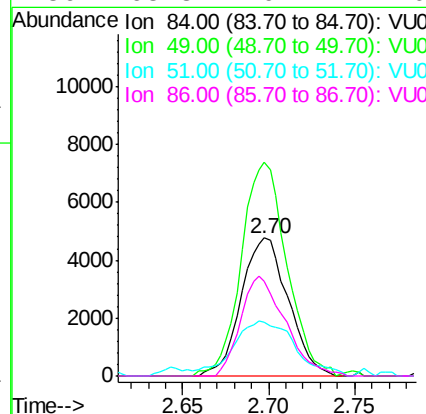
Ion Ratio Lower Upper

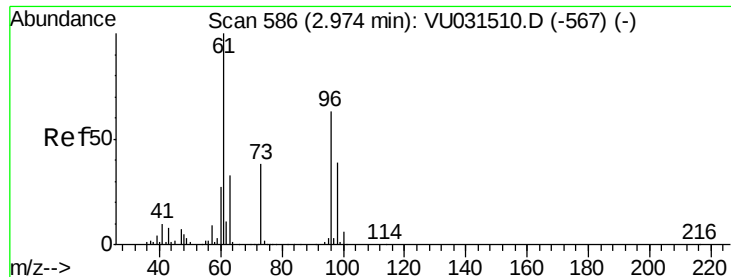
84 100

49 154.6 113.6 170.4

51 36.5 0.0 85.6

86 68.3 49.4 74.0





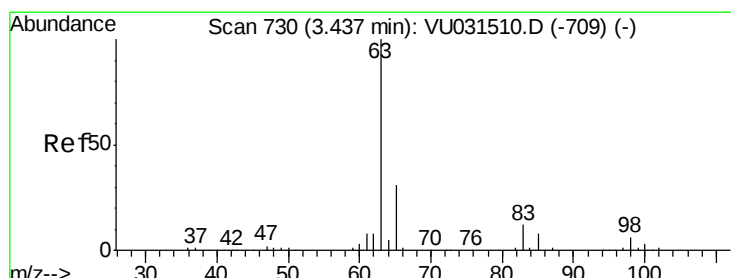
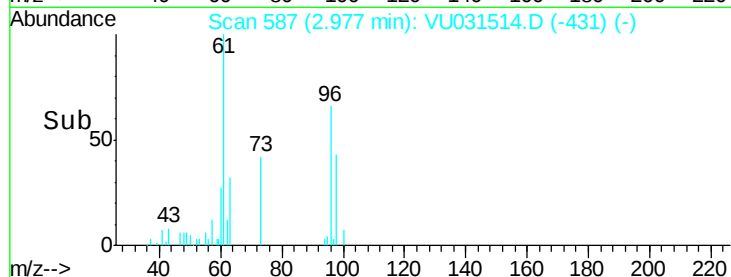
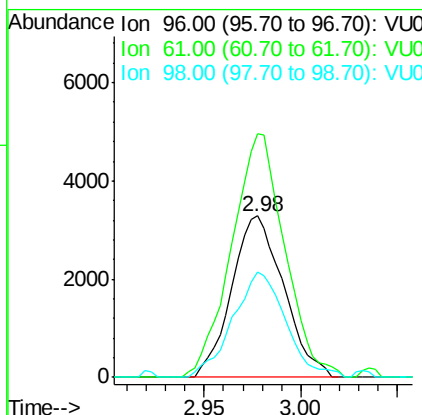
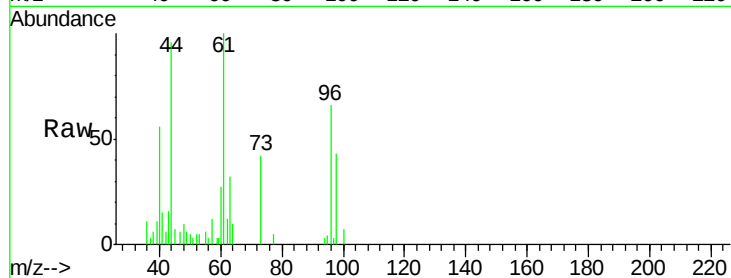
#16
trans-1,2-Dichloroethene
Concen: 0.290 ug/l
RT: 2.98 min Scan# 587
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	147.9	127.2	190.8	
98	65.3	49.4	74.0	

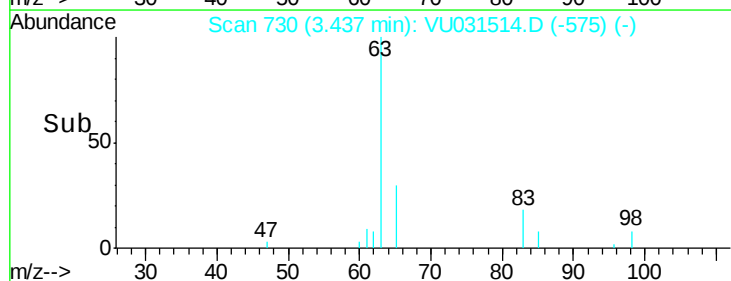
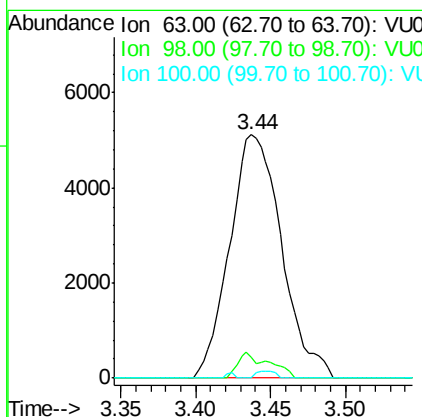
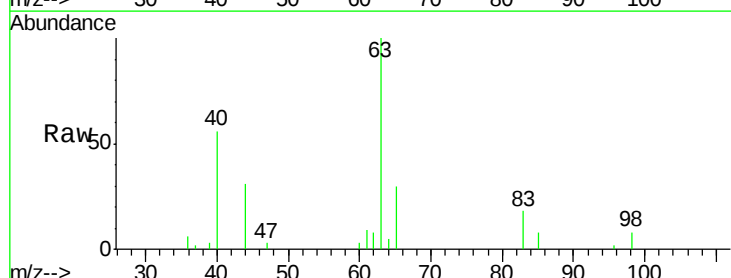
Manual Integrations
APPROVED

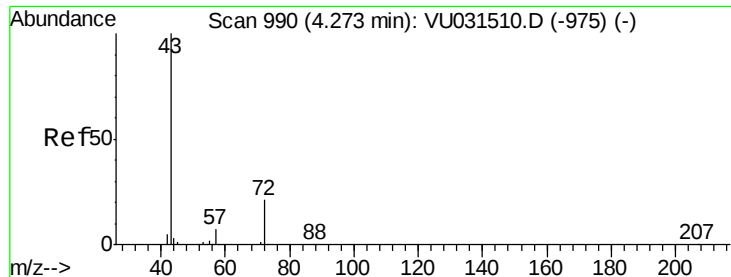
MMdadoda
4/26/2019 12:22:58 PM



#17
1,1-Dichloroethane
Concen: 0.280 ug/l
RT: 3.44 min Scan# 730
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	8.4	3.0	9.2	
100	0.0	1.7	5.1	





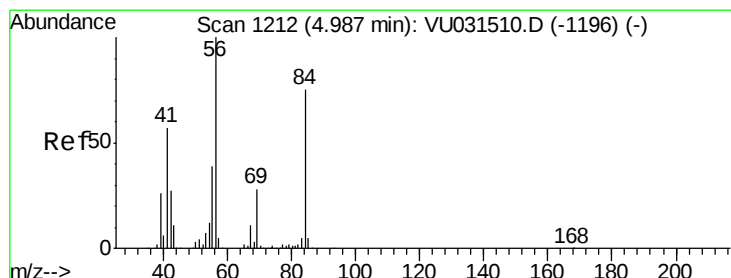
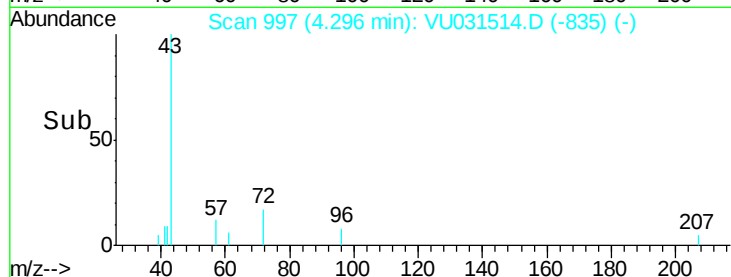
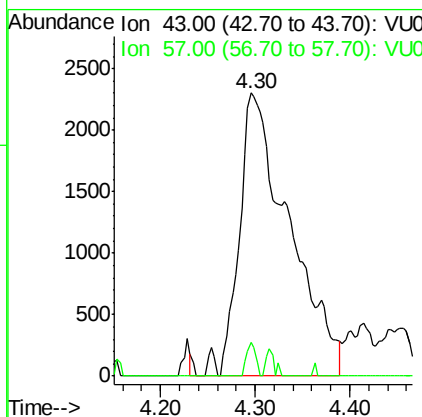
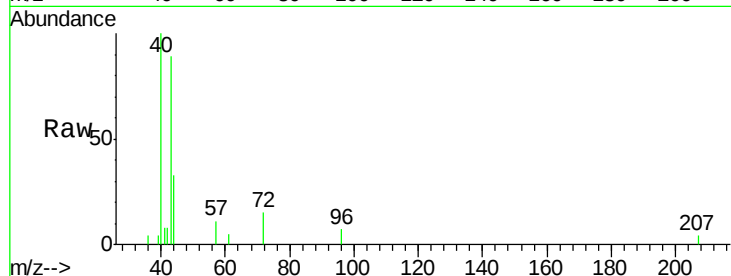
#18
2-Butanone
Concen: 1.241 ug/l m
RT: 4.30 min Scan# 997
Delta R.T. 0.02 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 43 Resp: 8463
Ion Ratio Lower Upper
43 100
57 11.9 0.0 14.2

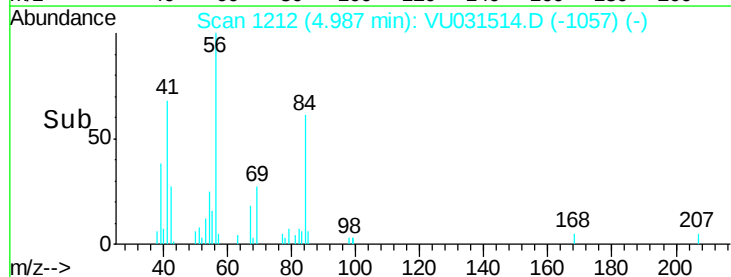
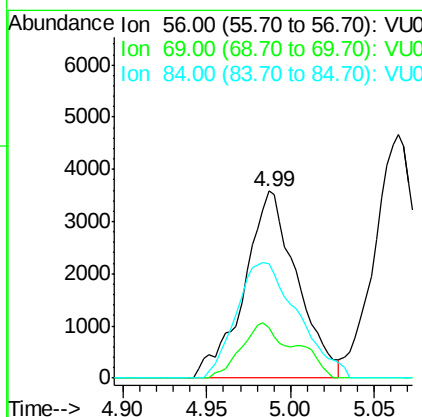
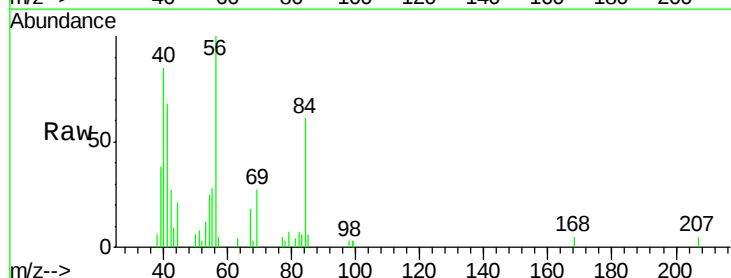
Manual Integrations
APPROVED

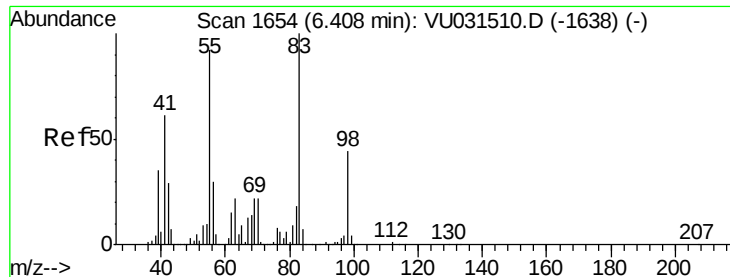
MMdadoda
4/26/2019 12:22:58 PM



#19
Cyclohexane
Concen: 0.231 ug/l m
RT: 4.99 min Scan# 1212
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion: 56 Resp: 7852
Ion Ratio Lower Upper
56 100
69 29.9 22.4 33.6
84 71.8 59.0 88.4





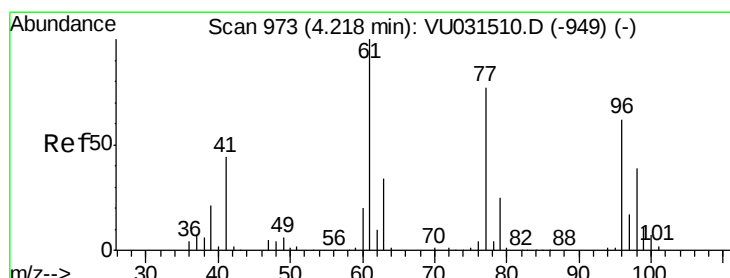
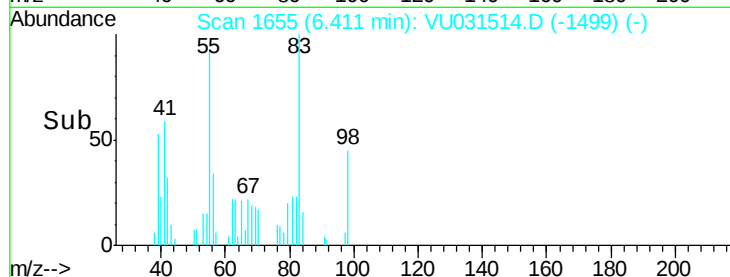
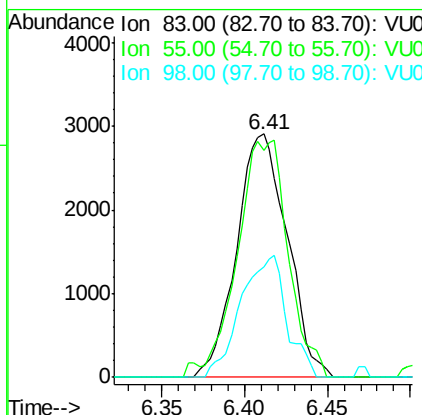
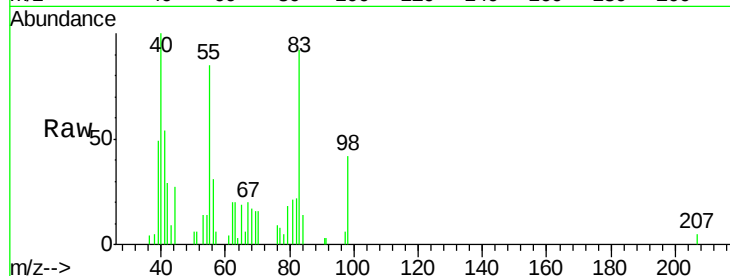
#20
Methvlcvclohexane
Concen: 0.226 ug/l
RT: 6.41 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.0	73.7	110.5
98	45.5	35.2	52.8

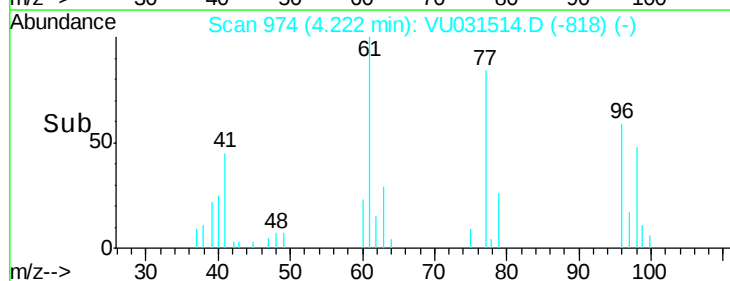
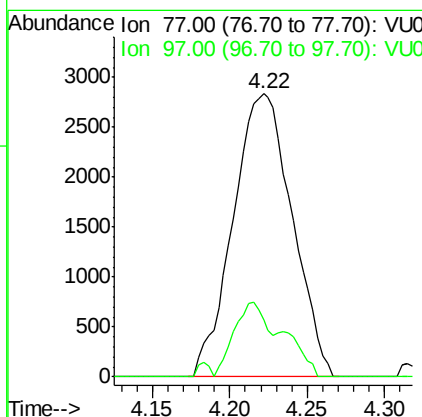
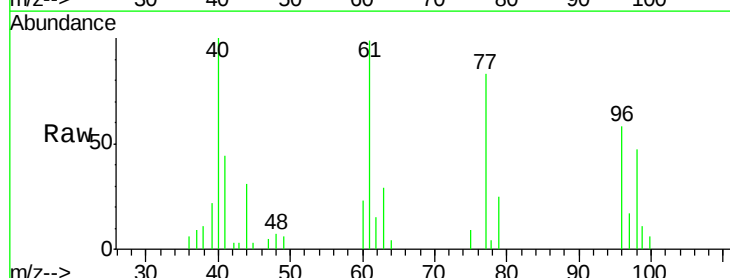
Manual Integrations
APPROVED

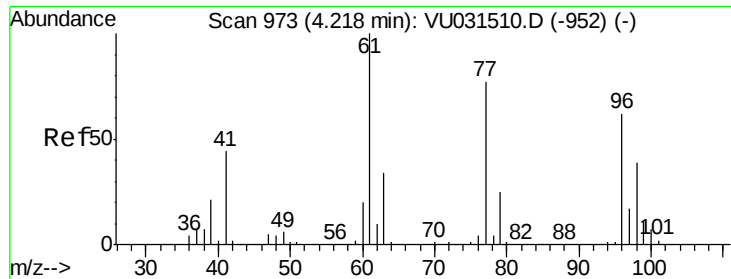
MMDadoda
4/26/2019 12:22:58 PM



#21
2,2-Dichloropropane
Concen: 0.234 ug/l
RT: 4.22 min Scan# 974
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
77	100		
97	14.9	17.5	26.3#





#22

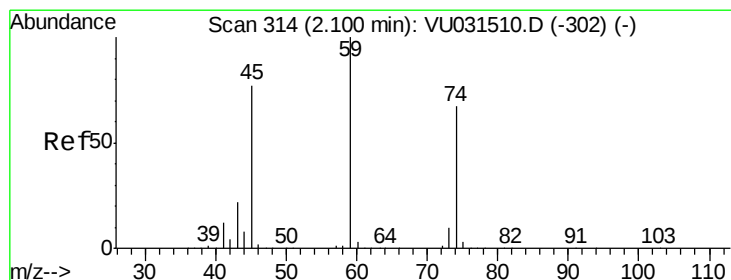
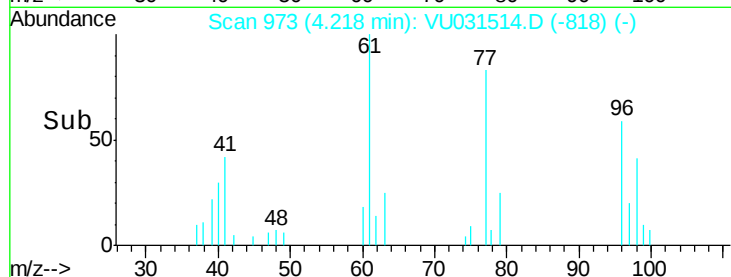
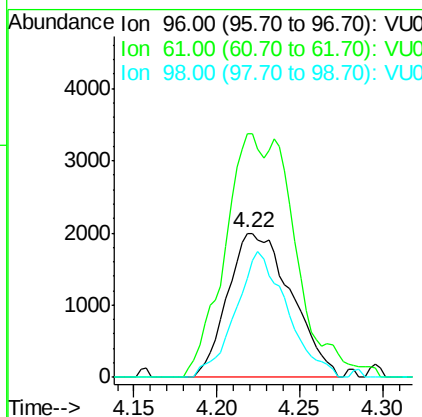
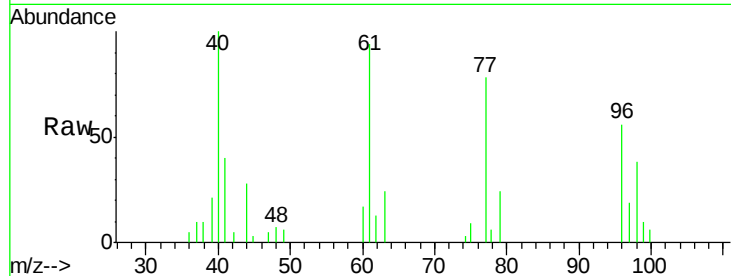
cis-1,2-Dichloroethene
Concen: 0.235 ug/l
RT: 4.22 min Scan# 973
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
96	100		
61	102.3	0.0	408.8
98	70.9	31.1	93.3

Manual Integrations
APPROVED

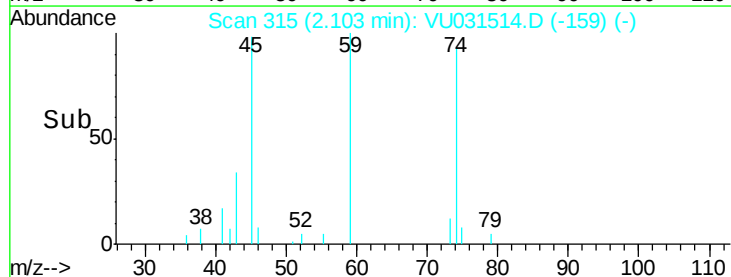
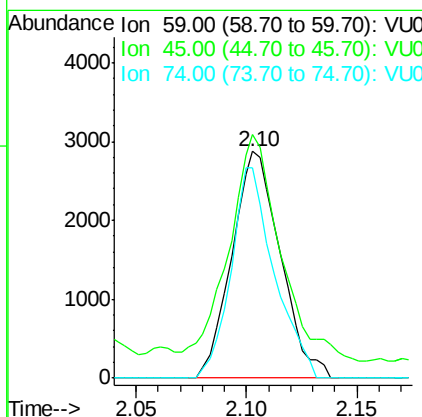
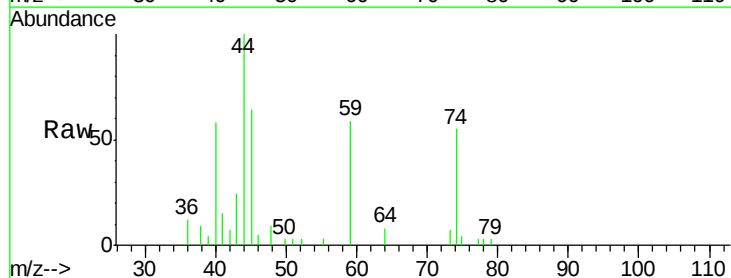
MMdadoda
4/26/2019 12:22:58 PM

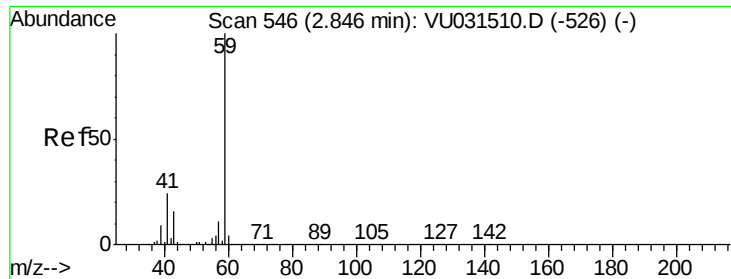


#23

Diethyl Ether
Concen: 0.241 ug/l
RT: 2.10 min Scan# 315
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
59	100		
45	106.4	64.5	96.7#
74	82.9	54.6	81.8#





#24

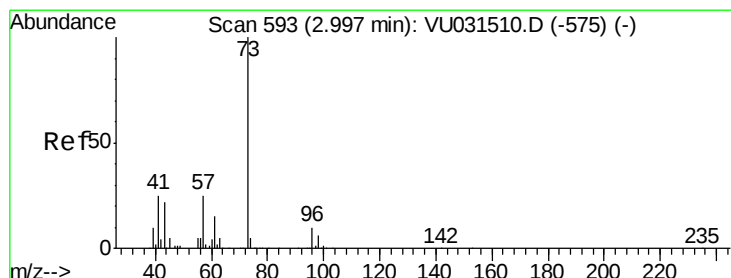
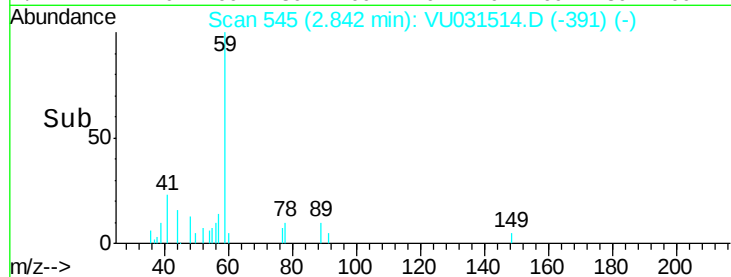
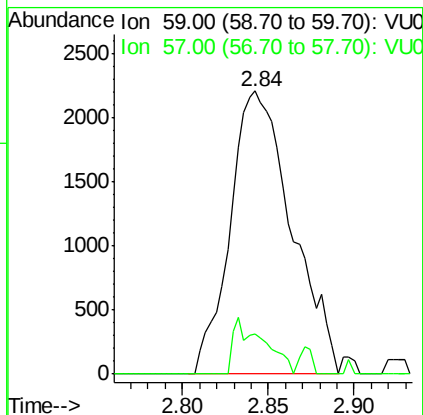
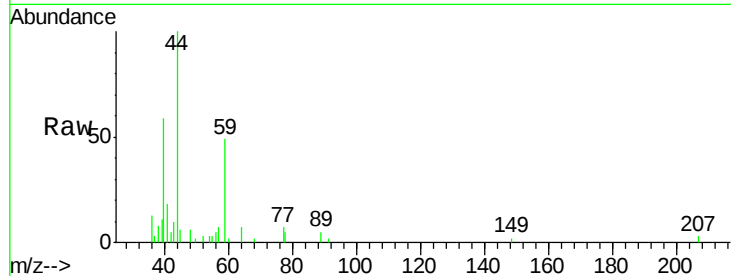
tert-Butyl Alcohol
 Concen: 2.929 ug/l
 RT: 2.84 min Scan# 545
 Delta R.T. -0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion: 59 Resp: 5503
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.2 12.2

Manual Integrations
 APPROVED

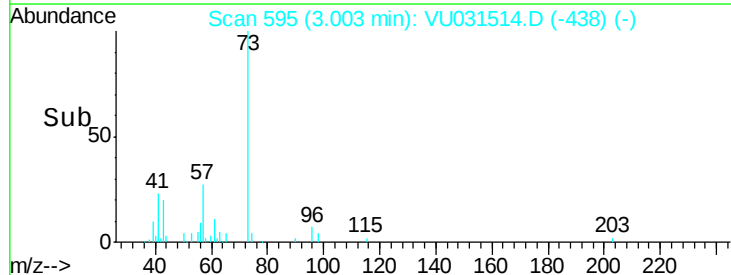
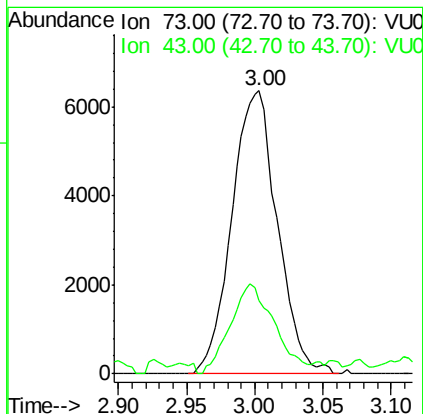
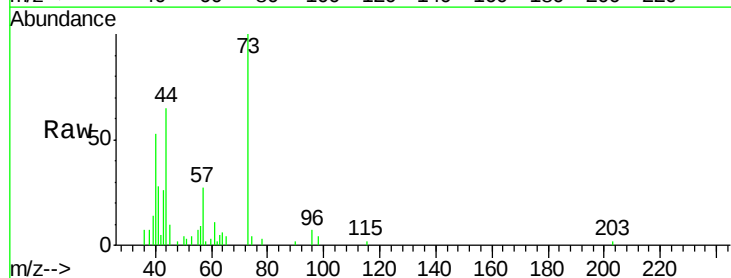
MMdadoda
 4/26/2019 12:22:58 PM

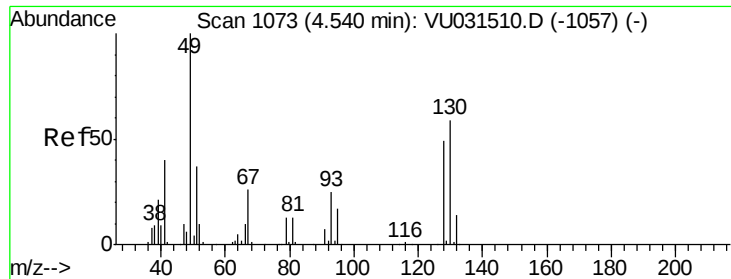


#25

Methyl tert-Butyl Ether
 Concen: 0.268 ug/l
 RT: 3.00 min Scan# 595
 Delta R.T. 0.01 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion: 73 Resp: 14725
 Ion Ratio Lower Upper
 73 100
 43 30.9 16.9 25.3#





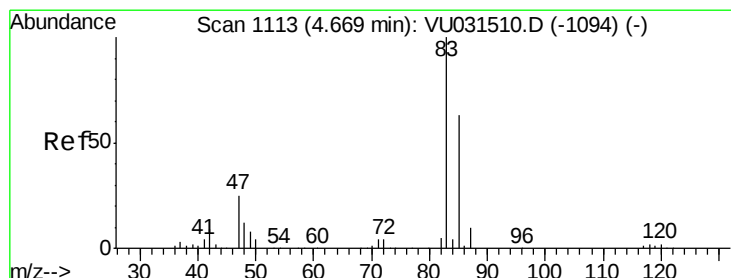
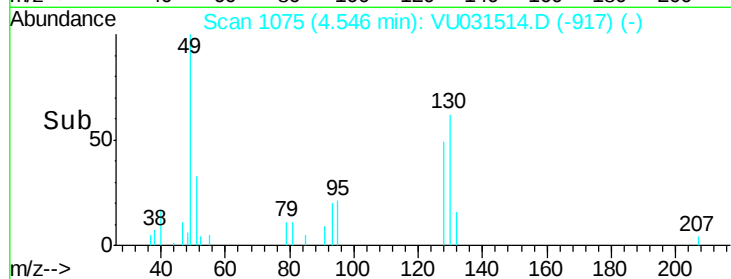
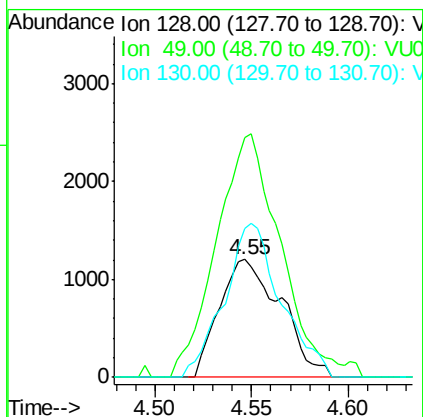
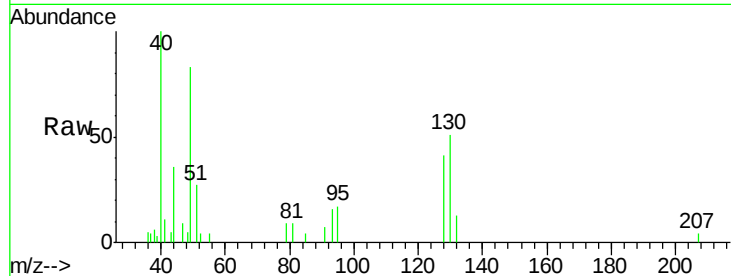
#26
Bromochloromethane
Concen: 0.279 ug/l
RT: 4.55 min Scan# 1075
Delta R.T. 0.01 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:128 Resp: 2663
Ion Ratio Lower Upper
128 100
49 216.5 0.0 407.2
130 120.1 101.4 152.2

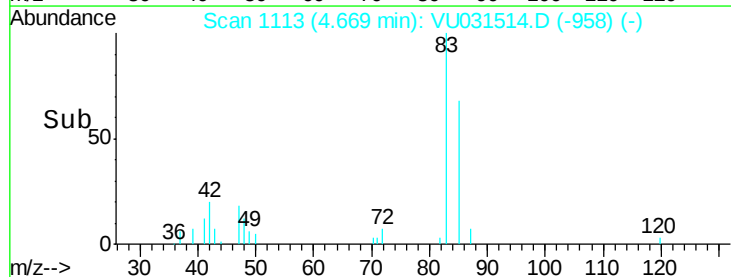
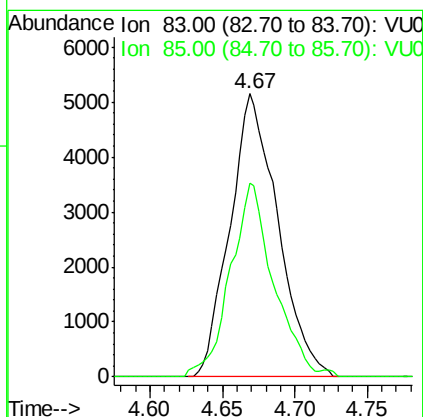
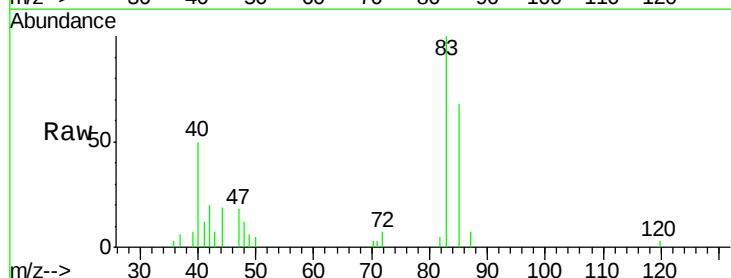
Manual Integrations
APPROVED

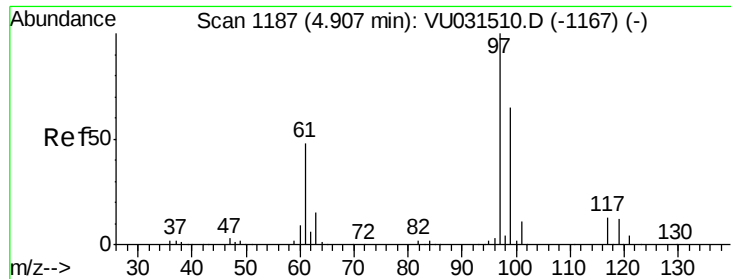
MMdadoda
4/26/2019 12:22:58 PM



#27
Chloroform
Concen: 0.288 ug/l
RT: 4.67 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion: 83 Resp: 11785
Ion Ratio Lower Upper
83 100
85 68.4 0.0 126.2





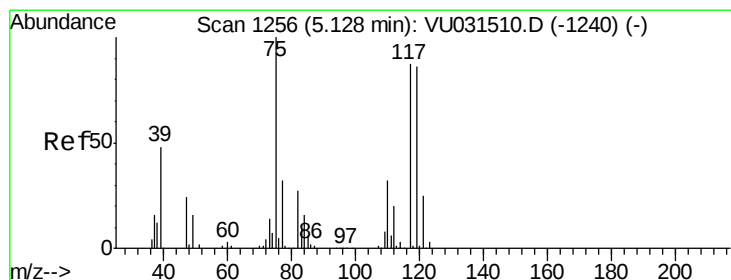
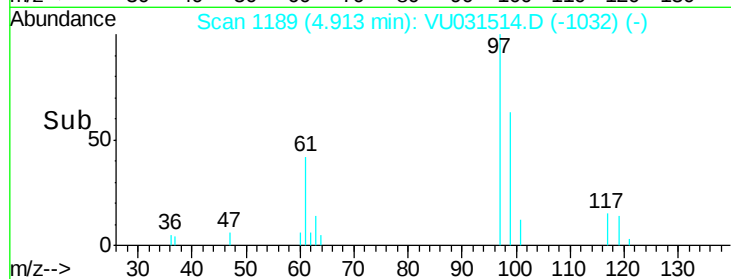
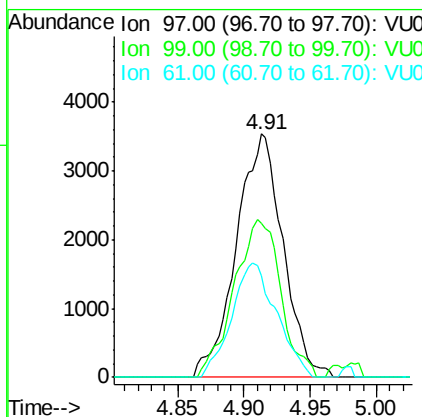
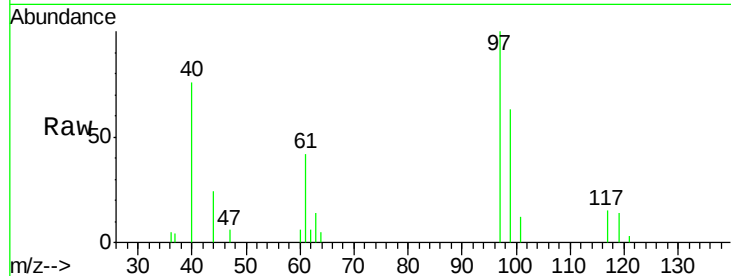
#28
 1,1,1-Trichloroethane
 Concen: 0.252 ug/l
 RT: 4.91 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.4	32.0	96.2
61	45.2	24.0	72.0

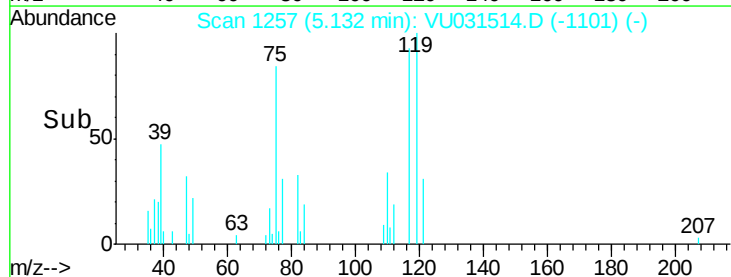
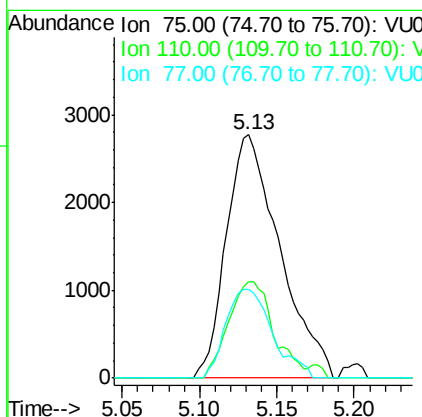
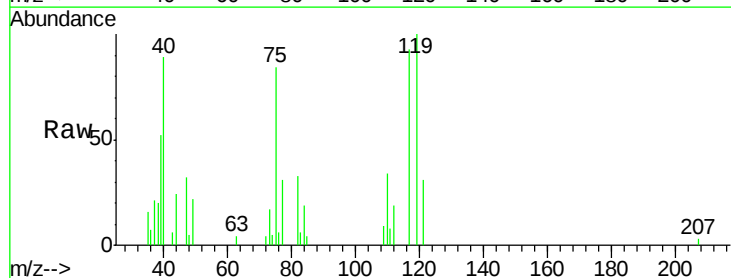
Manual Integrations
 APPROVED

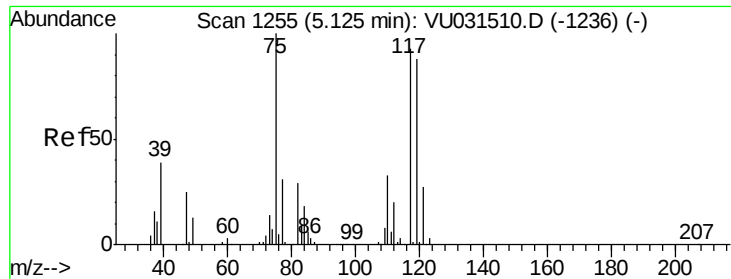
MMDadoda
 4/26/2019 12:22:58 PM



#29
 1,1-Dichloropropene
 Concen: 0.239 ug/l
 RT: 5.13 min Scan# 1257
 Delta R.T. 0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.7	16.4	49.1
77	31.9	25.0	37.6





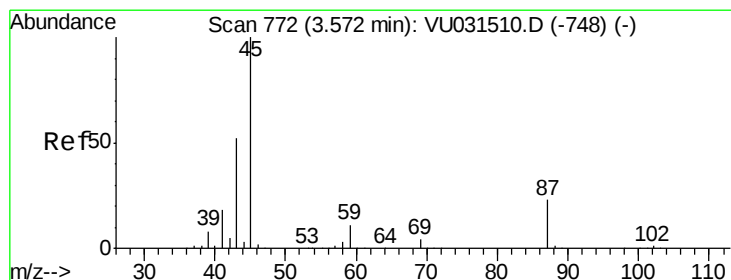
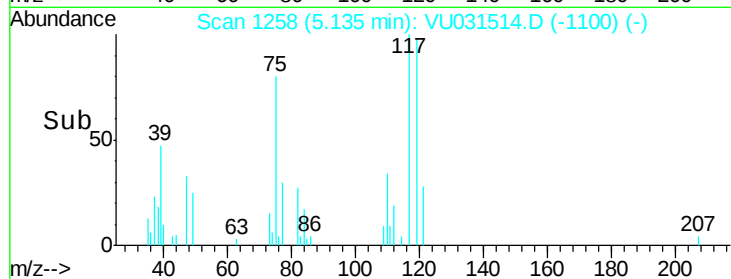
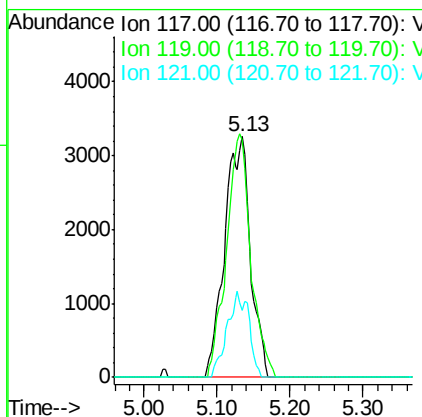
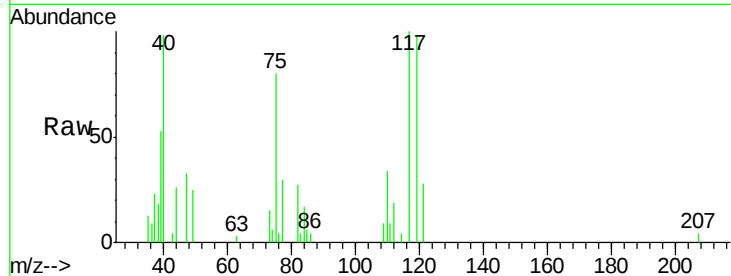
#30
Carbon Tetrachloride
Concen: 0.270 ug/l m
RT: 5.13 min Scan# 1258
Delta R.T. 0.01 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.1	114.1
121	27.7	23.3	34.9

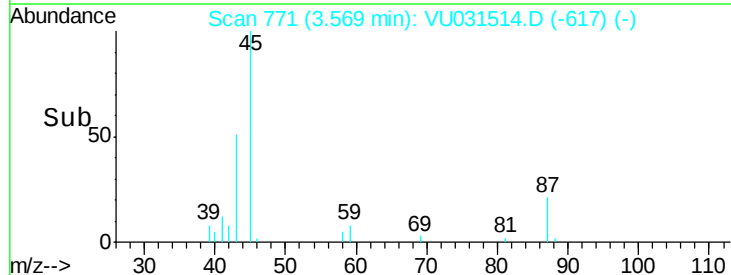
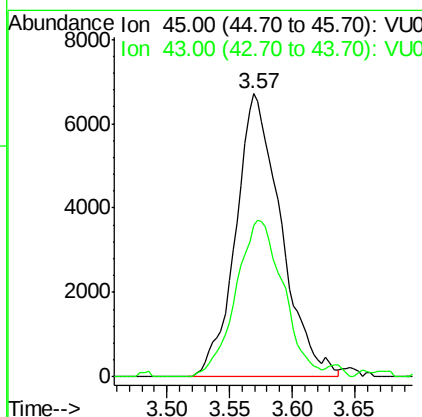
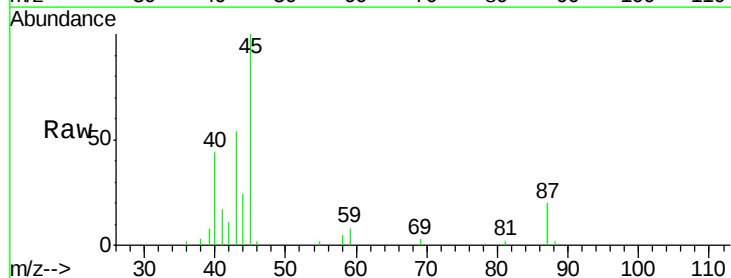
Manual Integrations
APPROVED

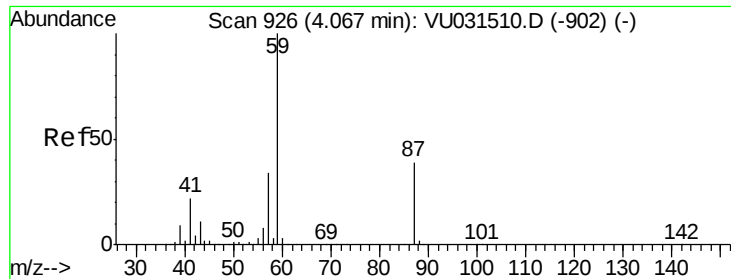
MMDadoda
4/26/2019 12:22:58 PM



#31
Isopropyl Ether
Concen: 0.254 ug/l
RT: 3.57 min Scan# 771
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.1	26.0	78.0





#32

Ethyl-t-butyl ether

Concen: 0.242 ug/l

RT: 4.07 min Scan# 926

Delta R.T. -0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 59 Resp: 12990

Ion Ratio Lower Upper

59 100

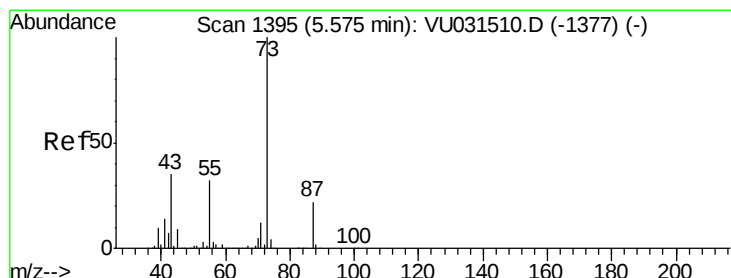
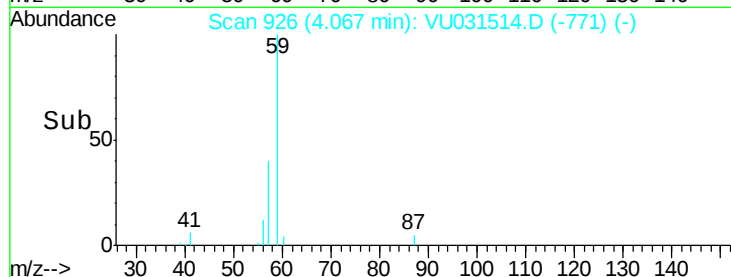
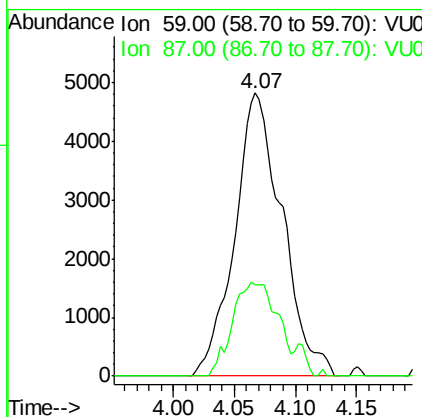
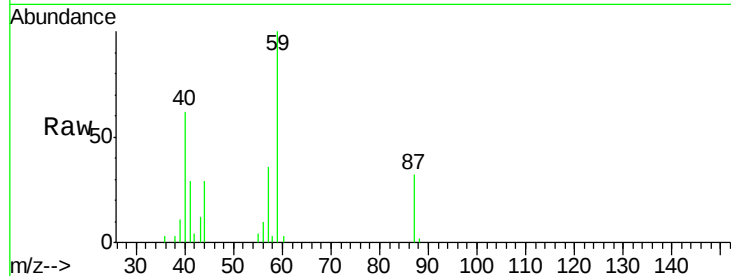
87 25.3 29.9 44.9#

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



#33

Tert-Amyl methyl ether

Concen: 0.242 ug/l

RT: 5.58 min Scan# 1397

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

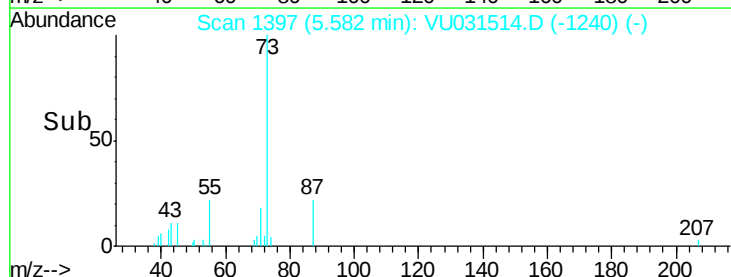
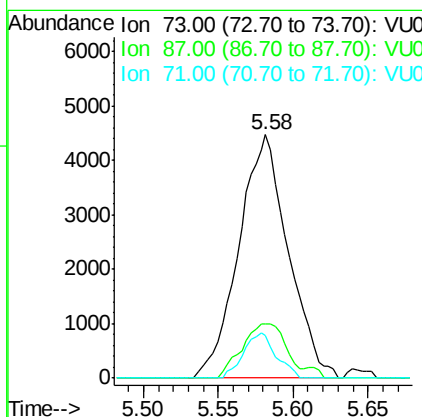
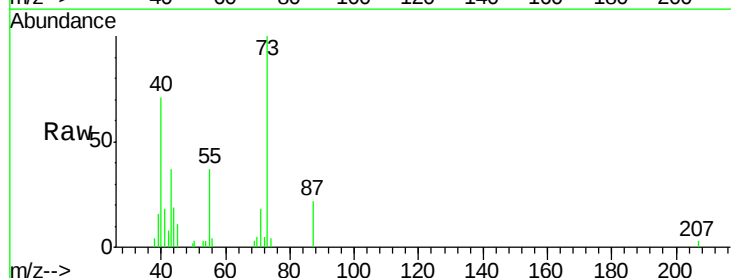
Tgt Ion: 73 Resp: 10296

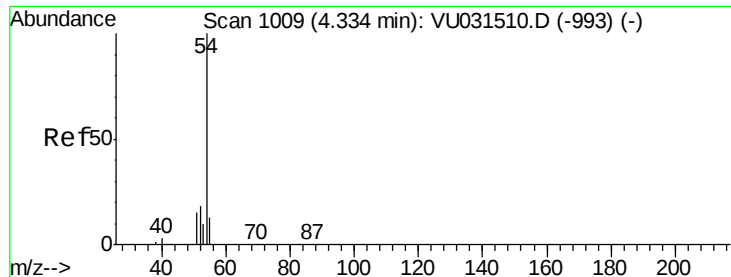
Ion Ratio Lower Upper

73 100

87 16.9 18.2 27.2#

71 12.3 9.0 13.6





#34

Propionitrile

Concen: 0.961 ug/l

RT: 4.37 min Scan# 1021

Delta R.T. 0.04 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 54 Resp: 1757

Ion Ratio Lower Upper

54 100

52 6.9 15.0 22.4#

55 0.0 13.5 20.3#

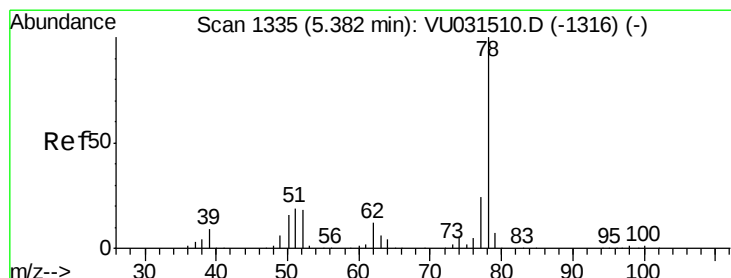
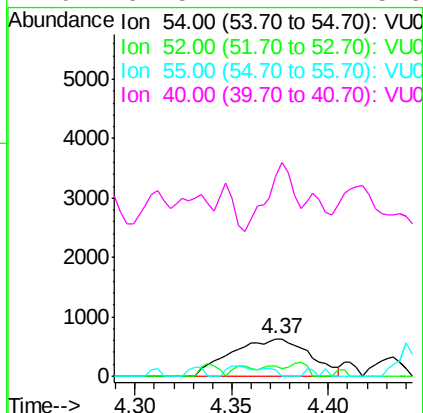
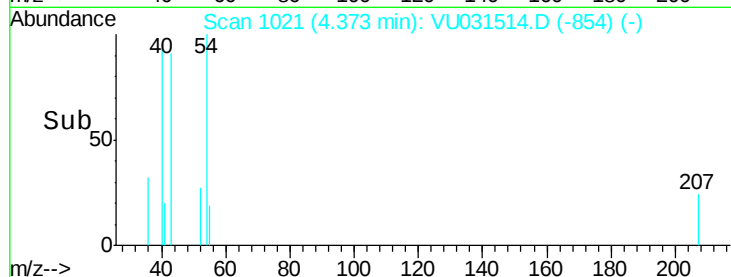
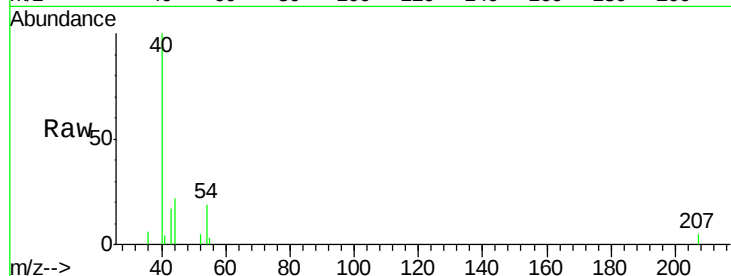
40 62.5 2.4 3.6#

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



#35

Benzene

Concen: 0.244 ug/l

RT: 5.39 min Scan# 1337

Delta R.T. 0.01 min

Lab File: VU031514.D

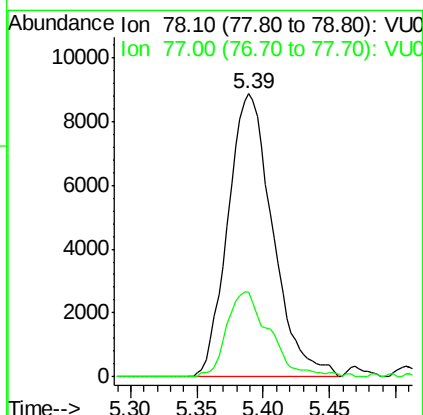
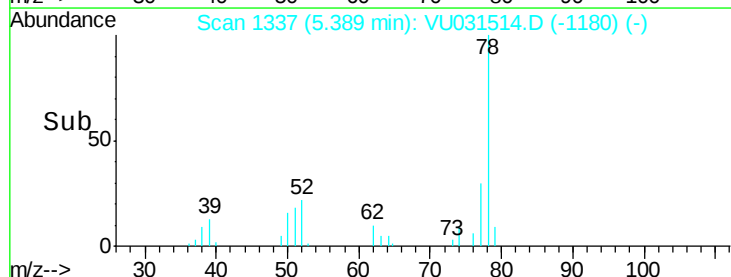
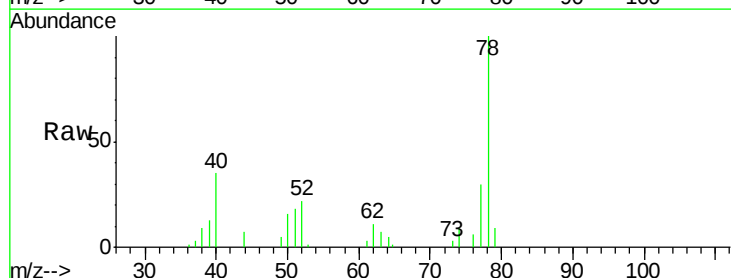
Acq: 26 Apr 2019 00:17

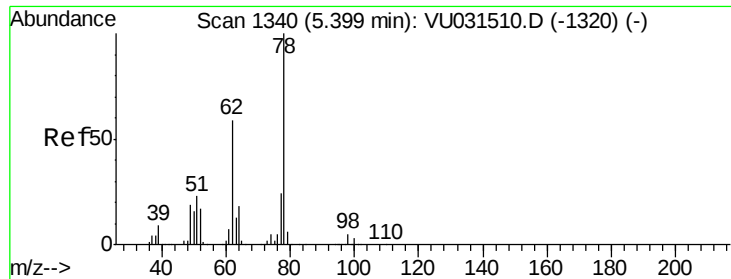
Tgt Ion: 78 Resp: 20824

Ion Ratio Lower Upper

78 100

77 30.0 19.2 28.8#





#36

1,2-Dichloroethane

Concen: 0.251 ug/l m

RT: 5.40 min Scan# 1341

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 62 Resp: 6979

Ion Ratio Lower Upper

62 100

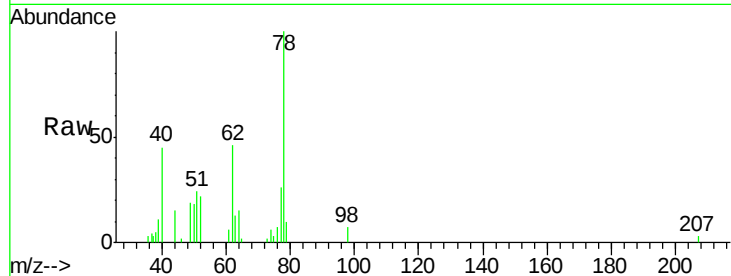
98 4.4 6.7 10.1#

Manual Integrations

APPROVED

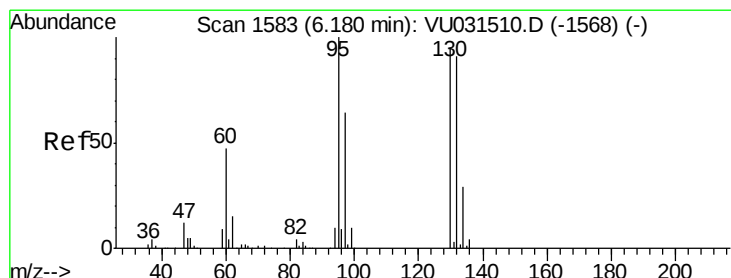
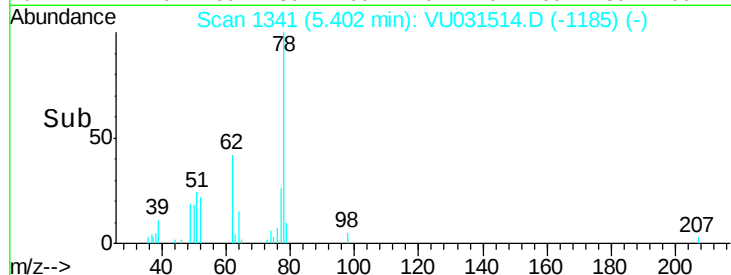
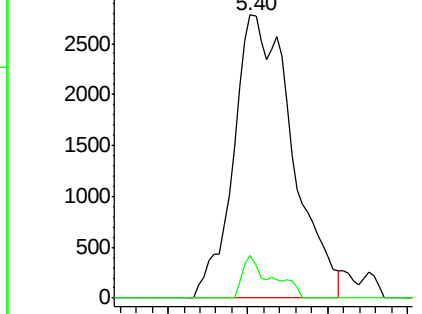
MMdadoda

4/26/2019 12:22:58 PM



Abundance Ion 62.00 (61.70 to 62.70): VU031514.D (-1185) (-)

Ion 98.00 (97.70 to 98.70): VU031514.D (-1185) (-)



#37

Trichloroethene

Concen: 0.289 ug/l

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031514.D

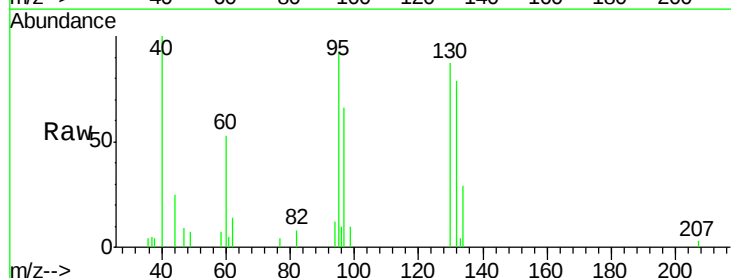
Acq: 26 Apr 2019 00:17

Tgt Ion:130 Resp: 6034

Ion Ratio Lower Upper

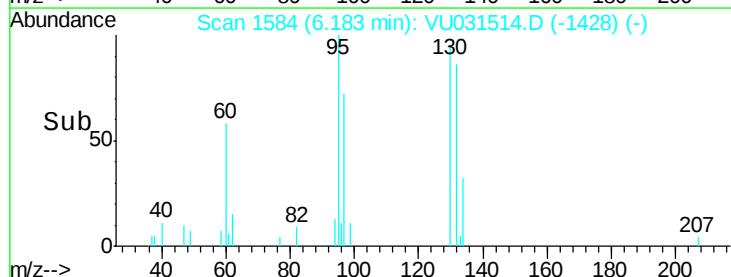
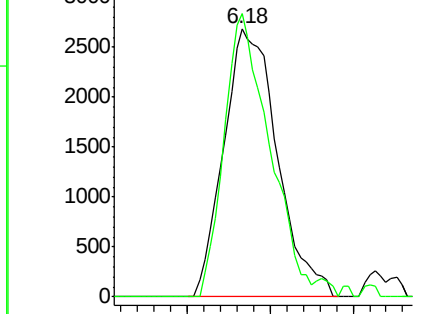
130 100

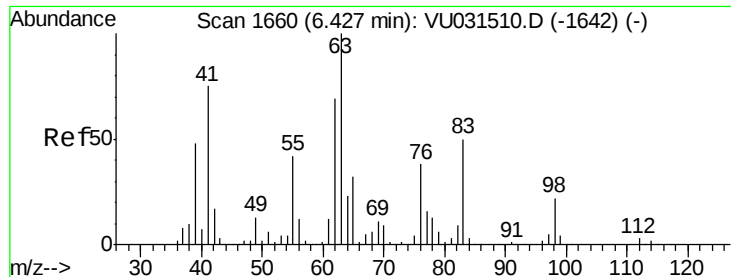
95 105.4 83.8 125.8



Abundance Ion 129.90 (129.60 to 130.60): VU031514.D (-1428) (-)

Ion 94.90 (94.60 to 95.60): VU031514.D (-1428) (-)





#38

1,2-Dichloropropane

Concen: 0.239 ug/l

RT: 6.44 min Scan# 1663

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 63 Resp: 5748

Ion Ratio Lower Upper

63 100

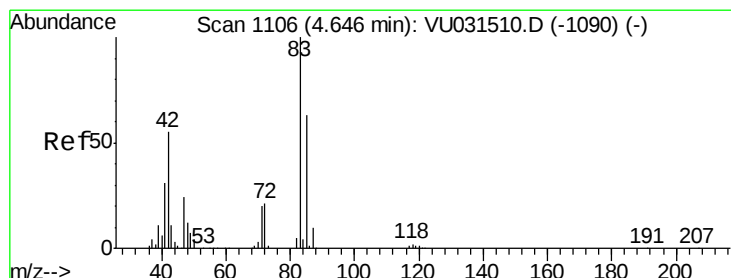
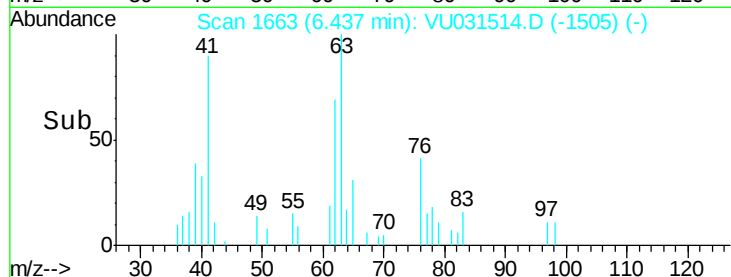
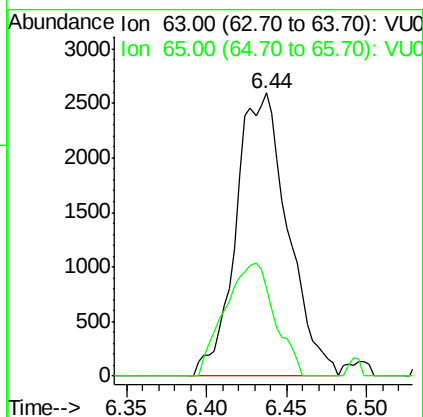
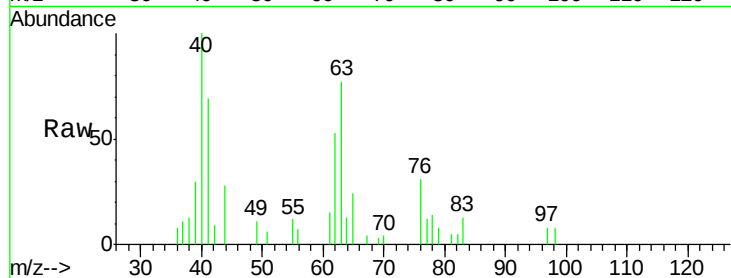
65 31.1 25.3 37.9

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



#41

Tetrahydrofuran

Concen: 0.622 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

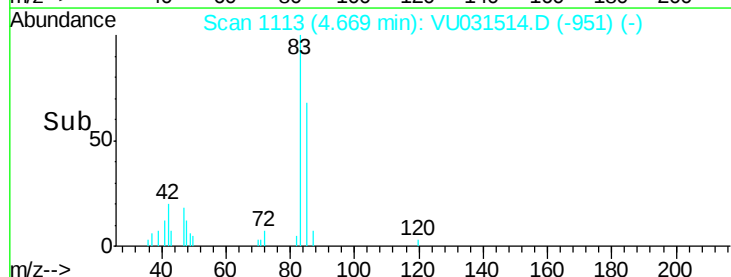
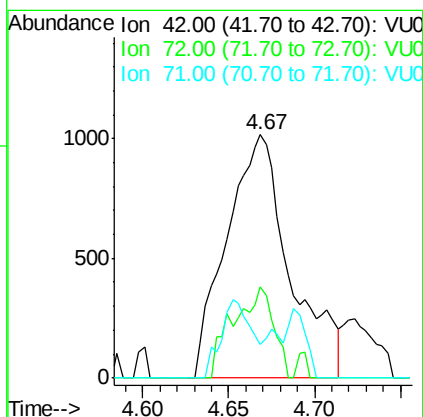
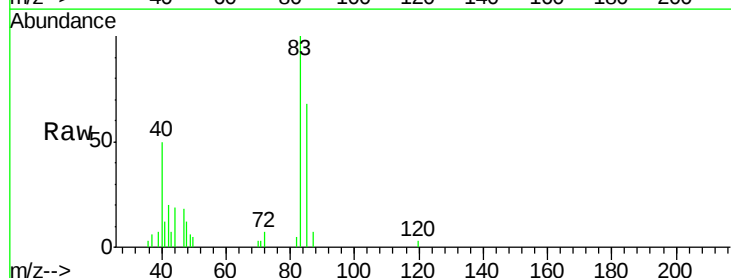
Tgt Ion: 42 Resp: 2616

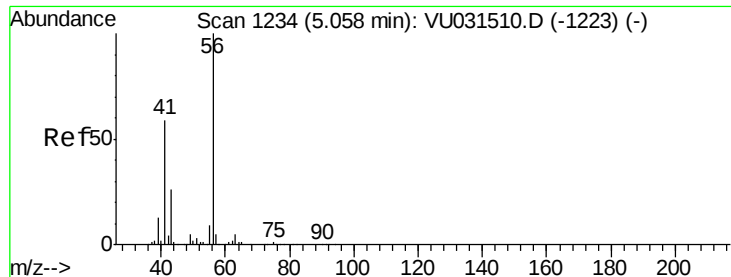
Ion Ratio Lower Upper

42 100

72 23.8 32.1 48.1#

71 5.2 29.2 43.8#





#42

1-Chlorobutane

Concen: 0.227 ug/l

RT: 5.06 min Scan# 1236

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 56 Resp: 9610

Ion Ratio Lower Upper

56 100

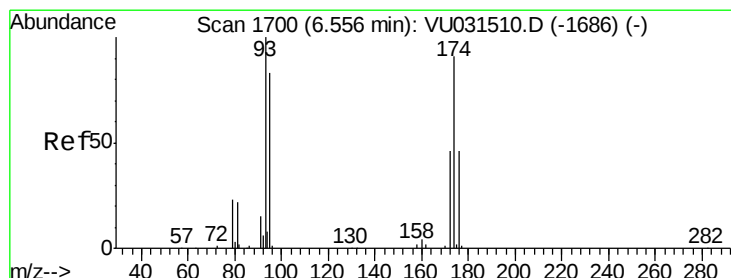
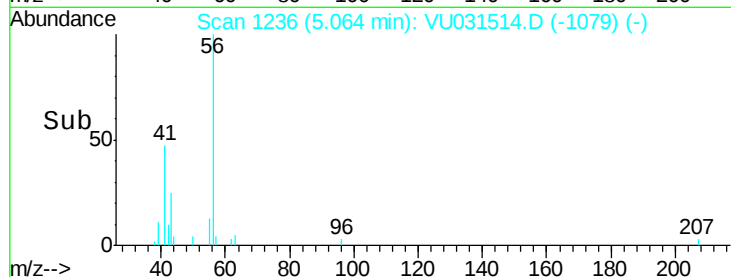
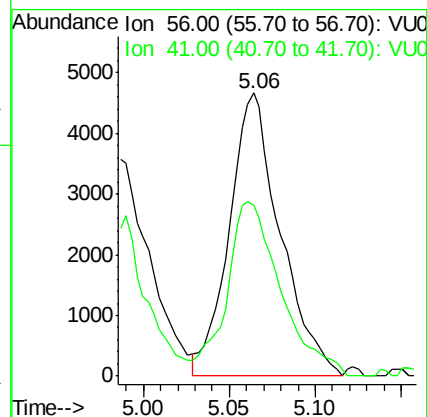
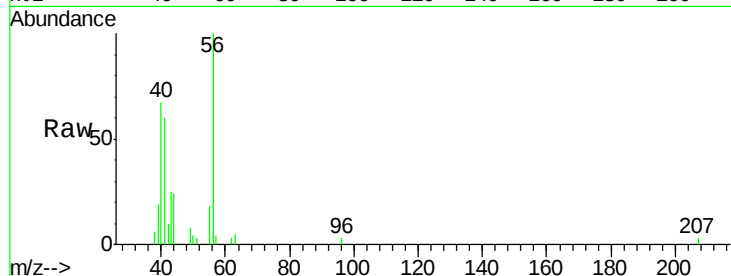
41 65.0 29.3 88.0

Manual Integrations

APPROVED

MMdadoda

4/26/2019 12:22:58 PM



#43

Dibromomethane

Concen: 0.267 ug/l

RT: 6.56 min Scan# 1702

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

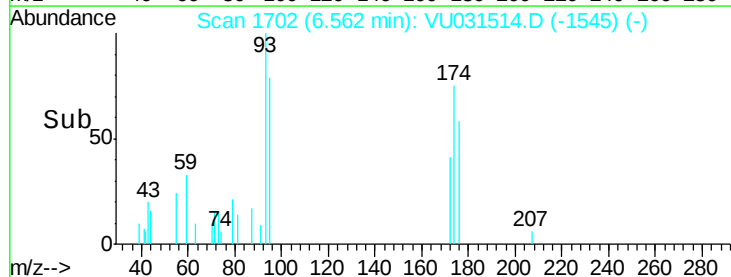
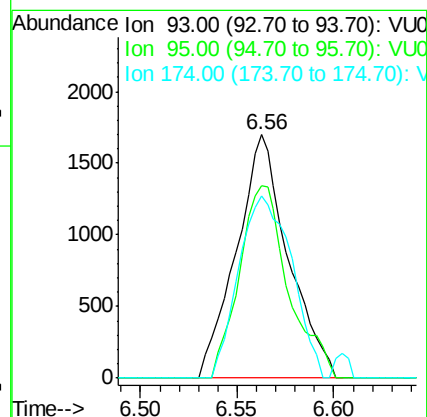
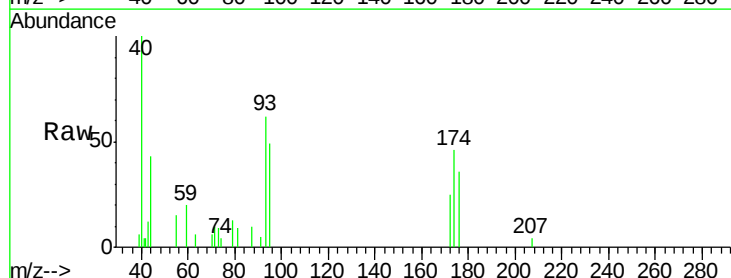
Tgt Ion: 93 Resp: 3160

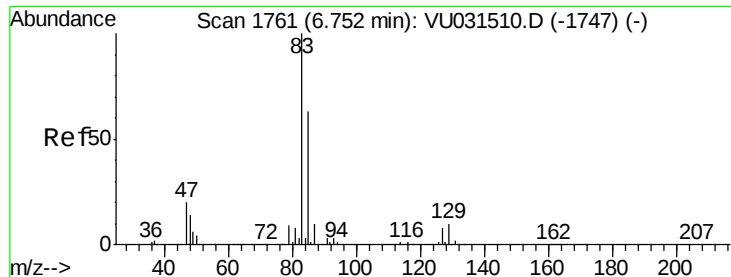
Ion Ratio Lower Upper

93 100

95 75.1 65.7 98.5

174 76.9 71.8 107.8





#44

Bromodichloromethane

Concen: 0.248 ug/l

RT: 6.76 min Scan# 1762

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

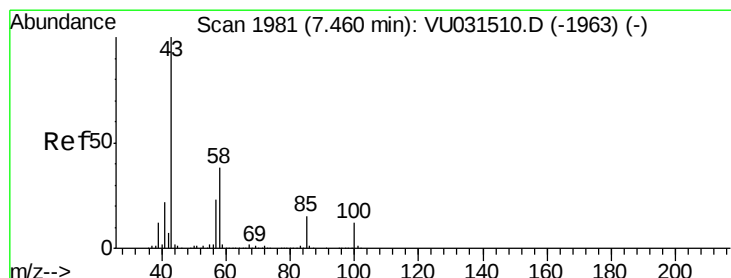
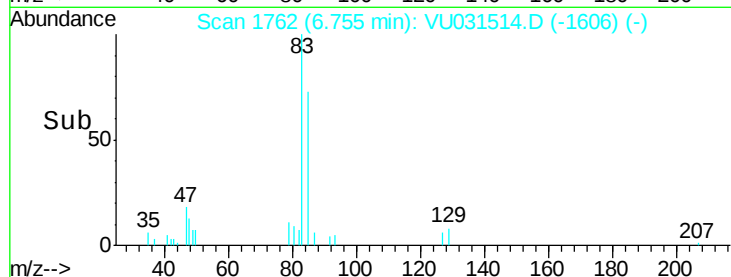
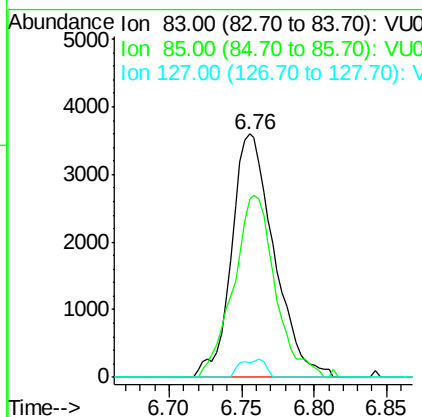
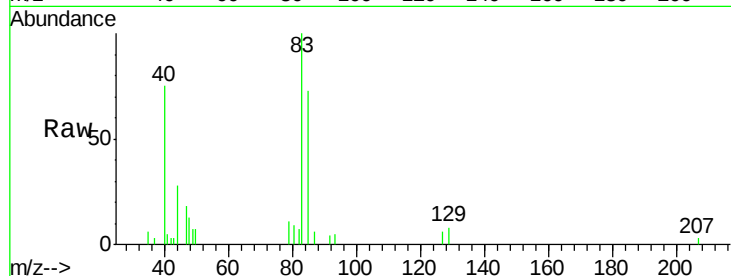
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	83	Resp:	7295
Ion	Ratio	Lower	Upper
83	100		
85	73.1	50.3	75.5
127	6.0	6.6	9.8#

Manual Integrations
APPROVED

MMDadoda
4/26/2019 12:22:58 PM



#45

4-Methyl-2-Pentanone

Concen: 1.067 ug/l

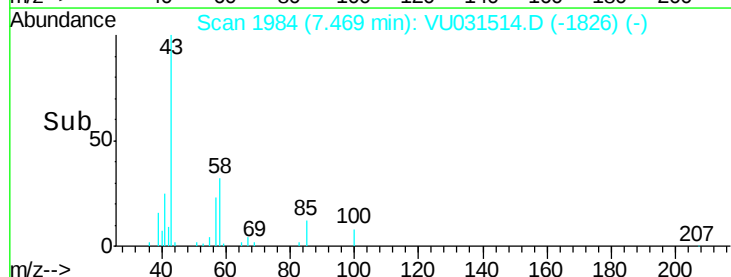
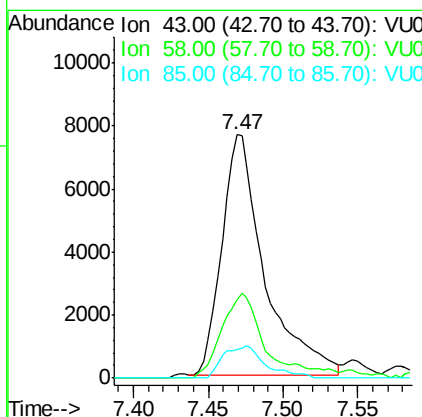
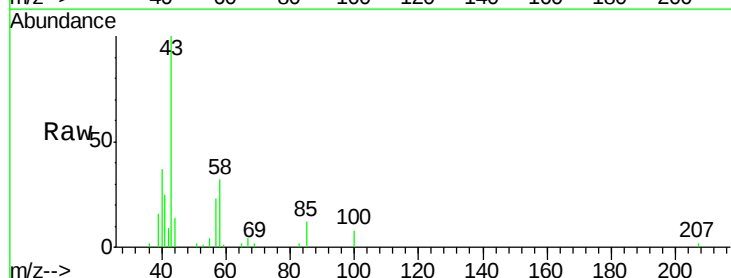
RT: 7.47 min Scan# 1984

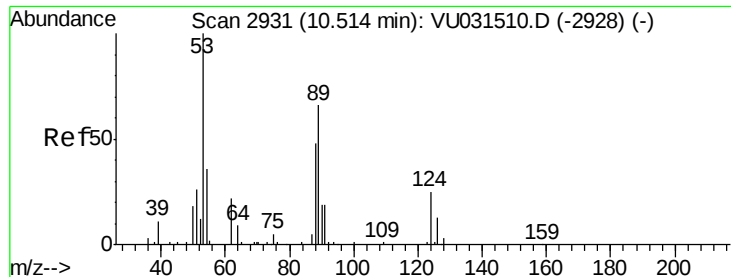
Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	43	Resp:	15119
Ion	Ratio	Lower	Upper
43	100		
58	36.2	18.7	56.1
85	13.3	12.1	18.1





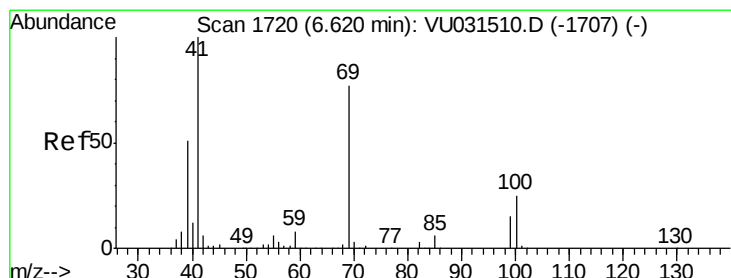
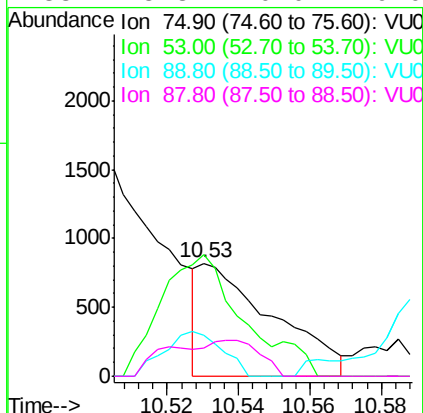
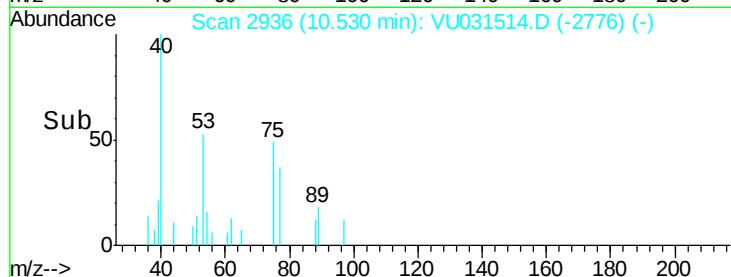
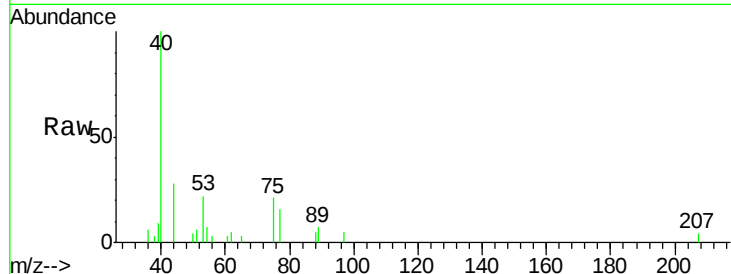
#46
t-1,4-Dichloro-2-butene
Concen: 0.271 ug/l m
RT: 10.53 min Scan# 2936
Delta R.T. 0.02 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	63.8	95.8#
89	0.0	38.6	57.8#
88	15.3	0.0	0.0#

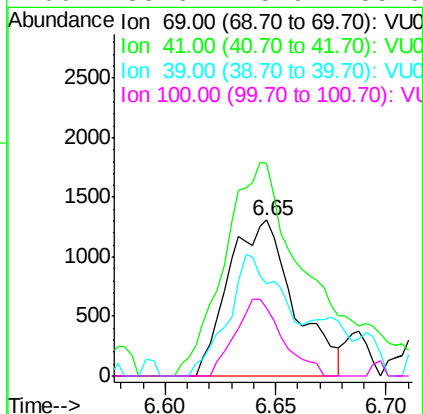
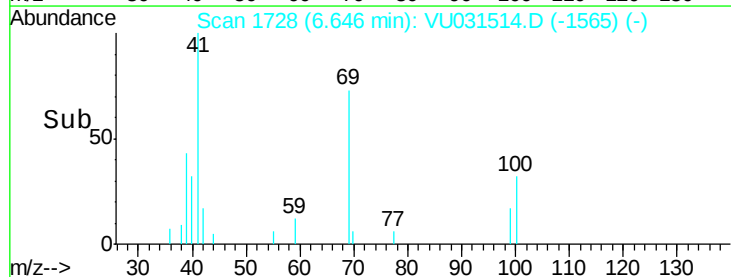
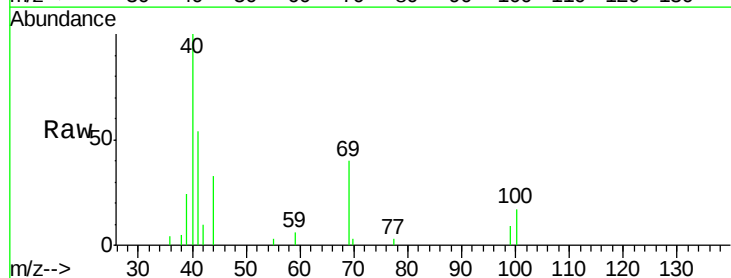
Manual Integrations
APPROVED

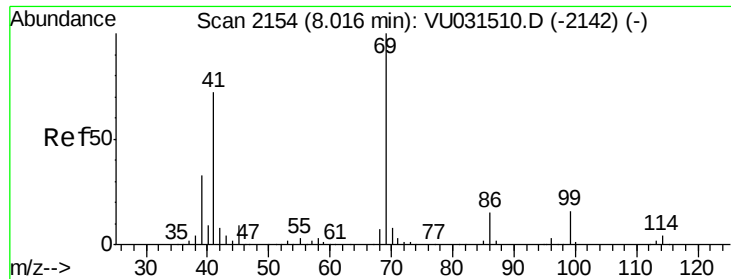
MMDadoda
4/26/2019 12:22:58 PM



#47
Methyl methacrylate
Concen: 0.295 ug/l
RT: 6.65 min Scan# 1728
Delta R.T. 0.03 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
69	100		
41	182.6	0.0	256.4
39	65.5	52.2	78.4
100	35.6	25.9	38.9





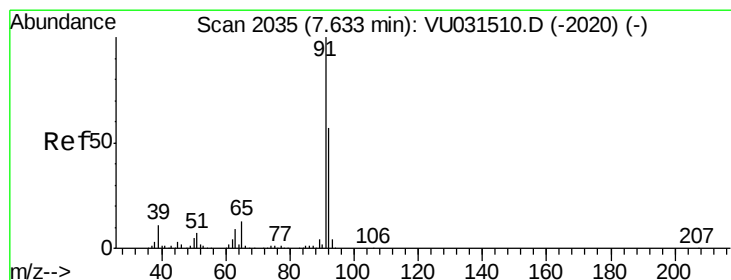
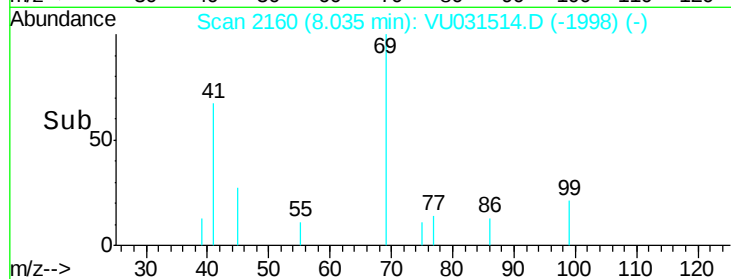
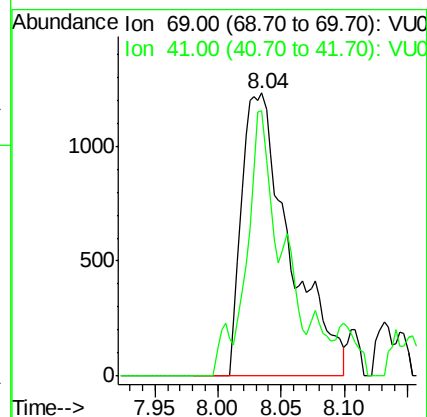
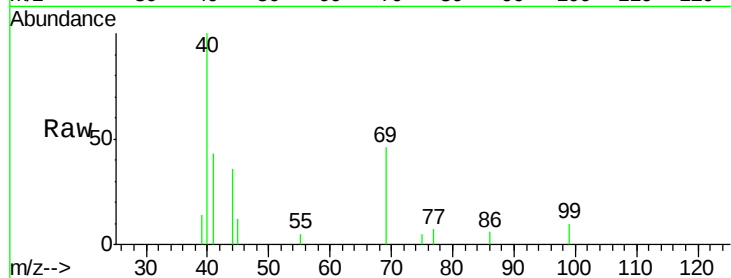
#48
Ethyl methacrylate
Concen: 0.203 ug/l m
RT: 8.04 min Scan# 2160
Delta R.T. 0.02 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion: 69 Resp: 3225
Ion Ratio Lower Upper
69 100
41 37.2 35.5 106.5

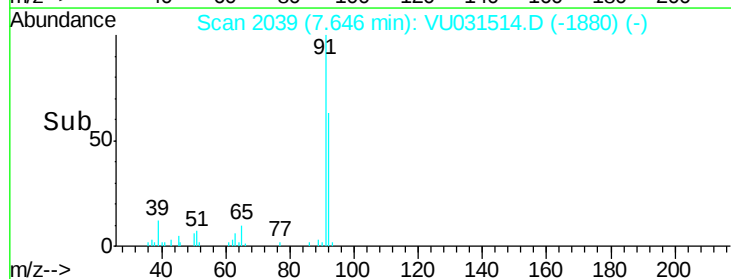
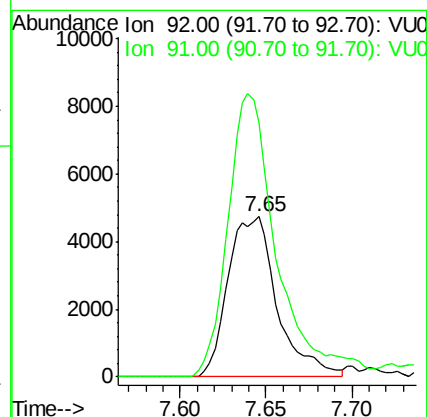
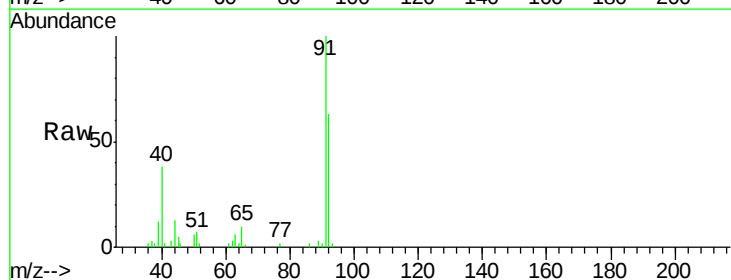
Manual Integrations
APPROVED

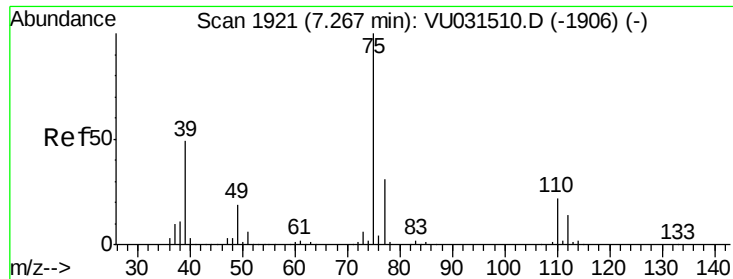
MMDadoda
4/26/2019 12:22:58 PM



#49
Toluene
Concen: 0.213 ug/l
RT: 7.65 min Scan# 2039
Delta R.T. 0.01 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion: 92 Resp: 9450
Ion Ratio Lower Upper
92 100
91 176.4 142.0 213.0





#51

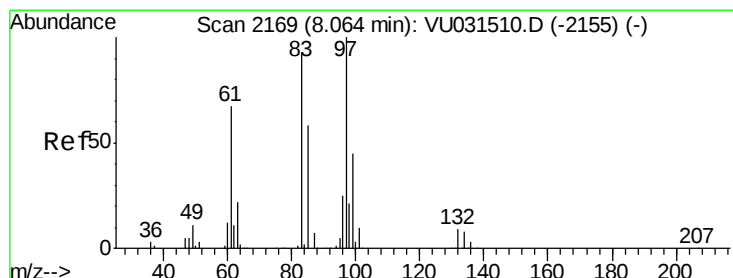
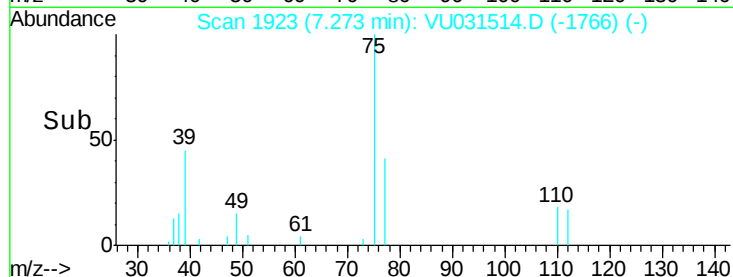
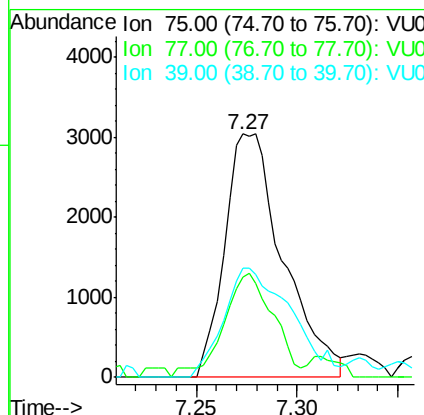
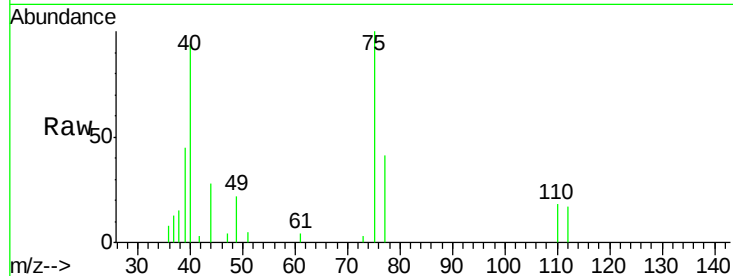
cis-1,3-Dichloropropene
 Concen: 0.218 ug/l
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
75	100		
77	37.5	25.0	37.4#
39	44.9	39.0	58.6

Manual Integrations
 APPROVED

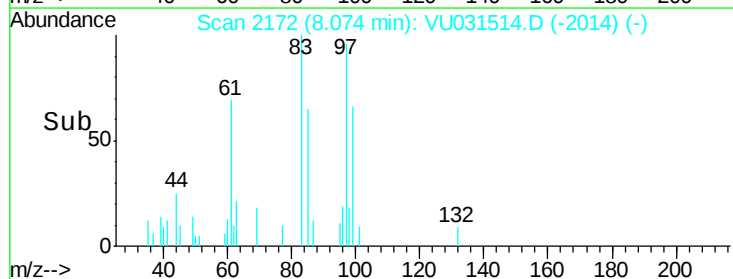
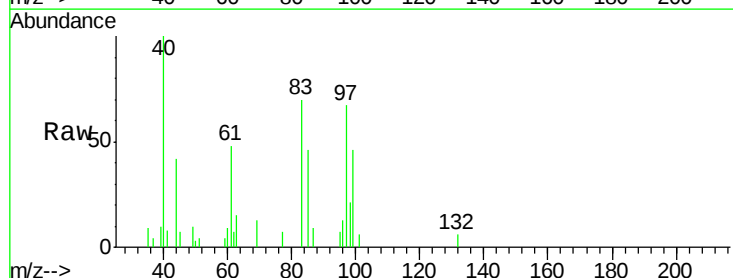
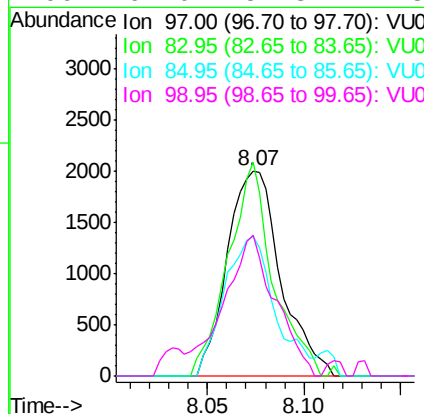
MMDadoda
 4/26/2019 12:22:58 PM

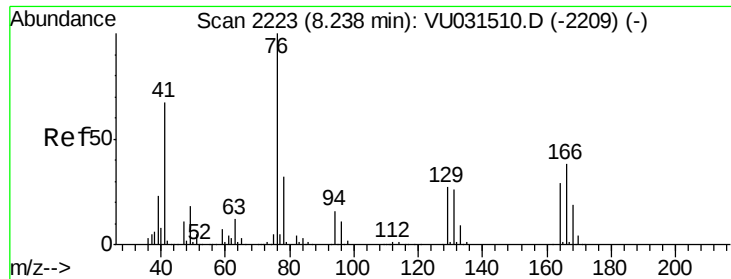


#52

1,1,2-Trichloroethane
 Concen: 0.249 ug/l
 RT: 8.07 min Scan# 2172
 Delta R.T. 0.01 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
97	100		
83	104.0	74.8	112.2
85	67.9	48.3	72.5
99	62.0	51.8	77.8





#53

1,3-Dichloropropane

Concen: 0.211 ug/l

RT: 8.25 min Scan# 2226

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion: 76 Resp: 5729

Ion Ratio Lower Upper

76 100

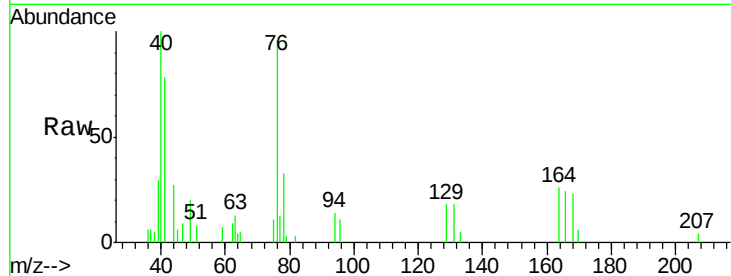
78 35.6 25.7 38.5

Manual Integrations

APPROVED

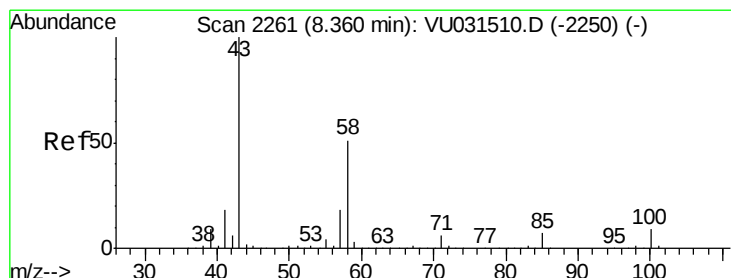
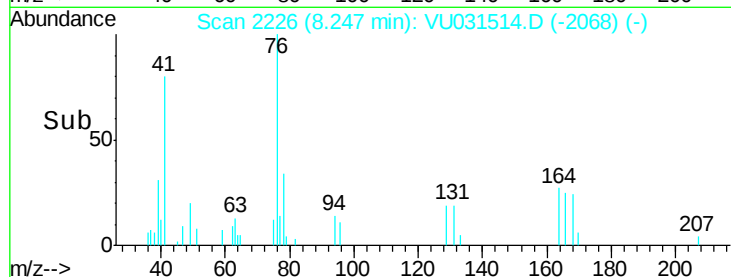
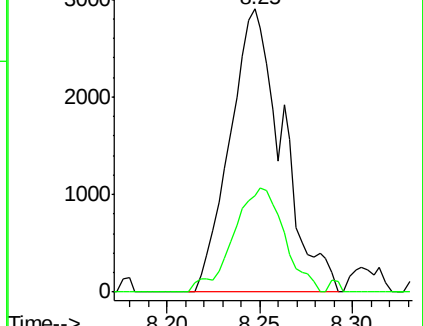
MMdadoda

4/26/2019 12:22:58 PM



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0



#54

2-Hexanone

Concen: 0.819 ug/l m

RT: 8.38 min Scan# 2267

Delta R.T. 0.02 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

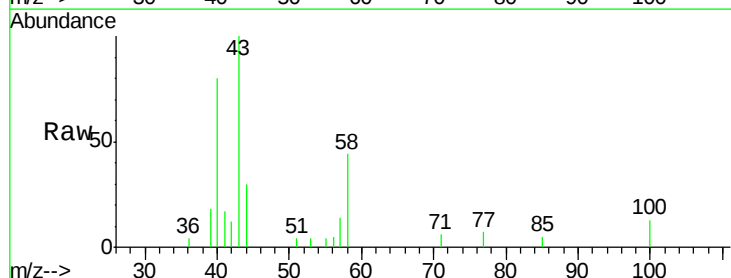
Tgt Ion: 43 Resp: 7826

Ion Ratio Lower Upper

43 100

58 32.9 30.3 70.3

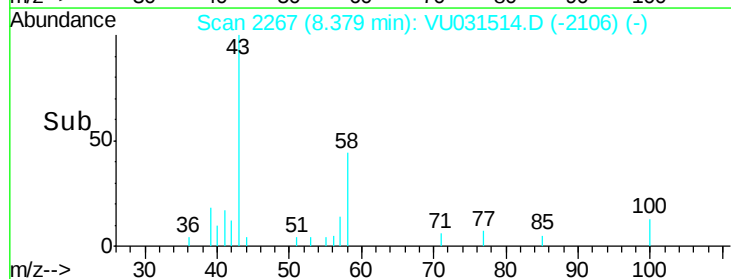
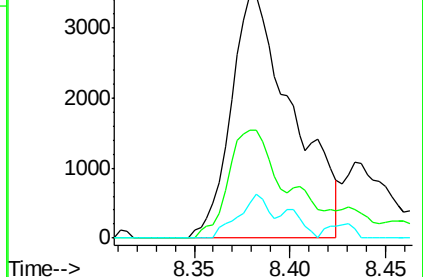
57 8.8 0.0 37.8

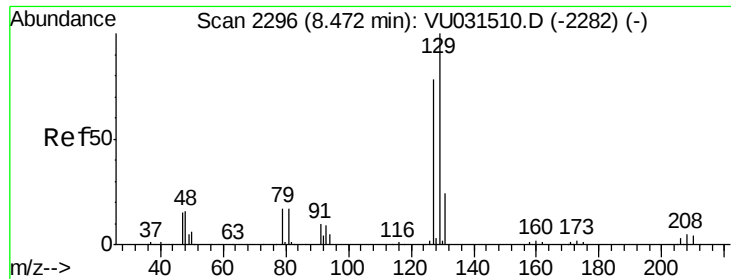


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0





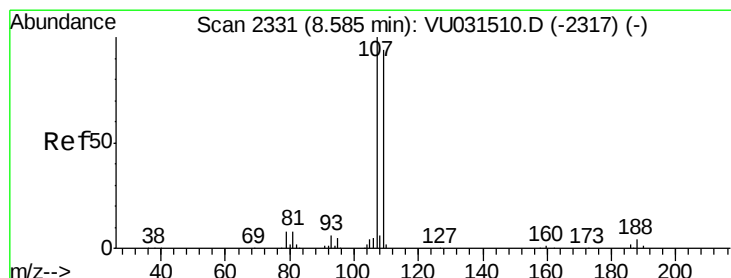
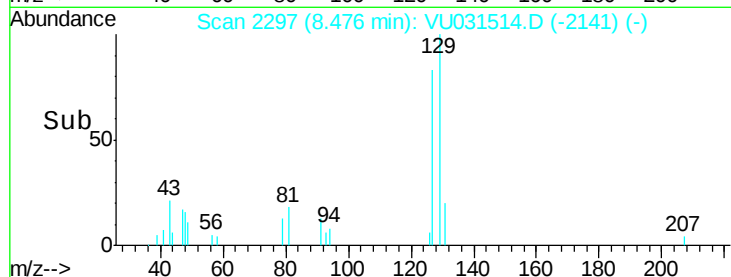
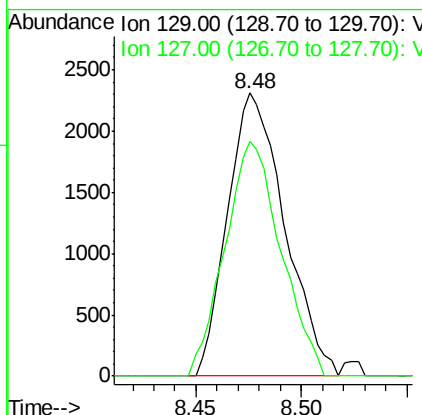
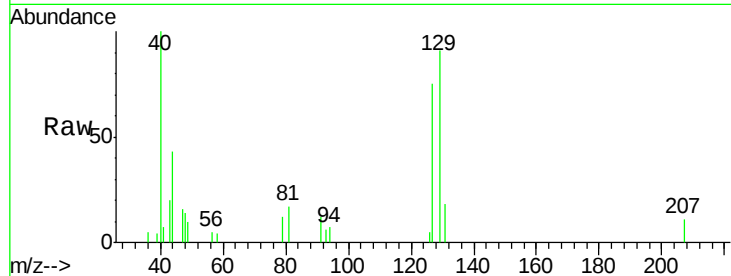
#55
 Dibromochloromethane
 Concen: 0.249 ug/l
 RT: 8.48 min Scan# 2297
 Delta R.T. 0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion:129 Resp: 4341
 Ion Ratio Lower Upper
 129 100
 127 81.0 62.6 94.0

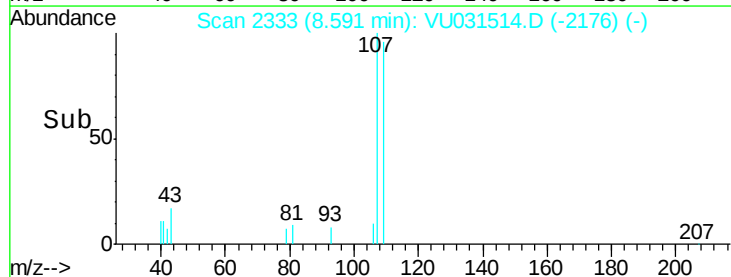
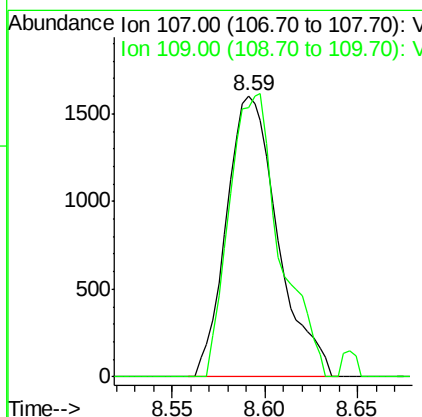
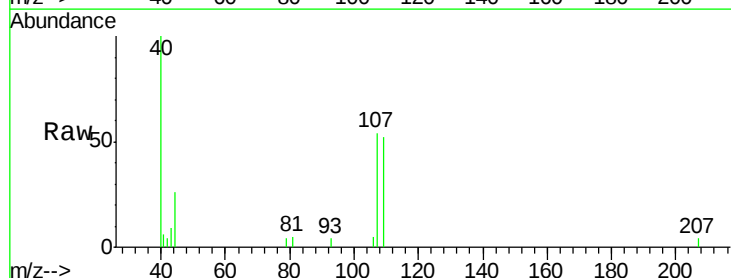
Manual Integrations
 APPROVED

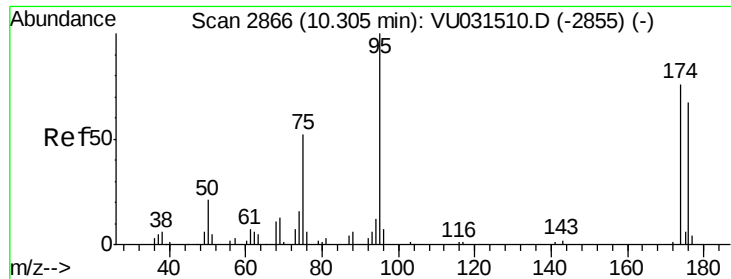
MMdadoda
 4/26/2019 12:22:58 PM



#56
 1,2-Dibromoethane
 Concen: 0.223 ug/l
 RT: 8.59 min Scan# 2333
 Delta R.T. 0.01 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion:107 Resp: 3089
 Ion Ratio Lower Upper
 107 100
 109 98.7 0.0 186.0





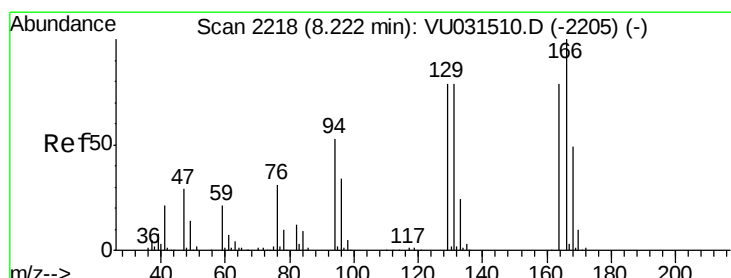
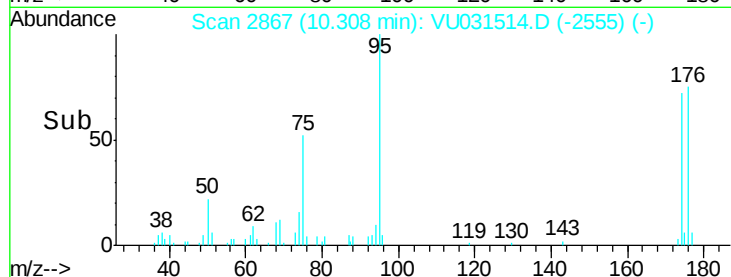
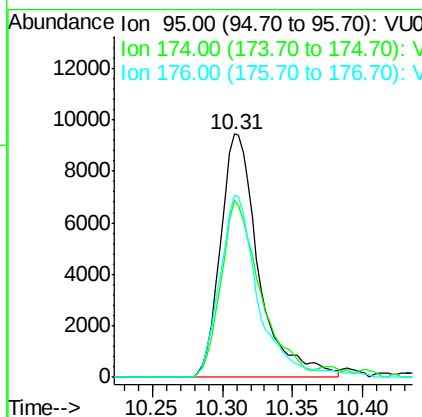
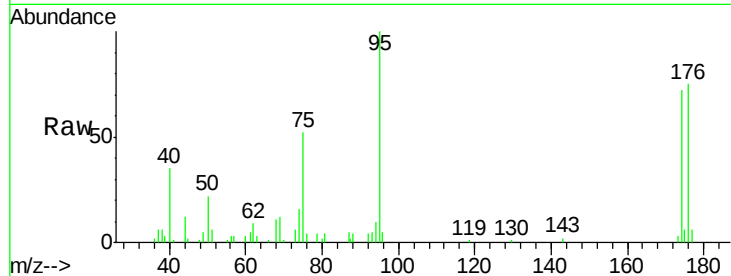
#57
4-Bromofluorobenzene
Concen: 0.773 ug/l
RT: 10.31 min Scan# 2867
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Resp	Lower	Upper
95	100	17849		
174	74.8	57.9	86.9	
176	73.9	54.0	81.0	

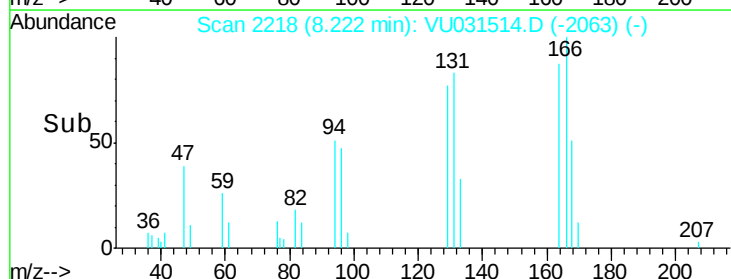
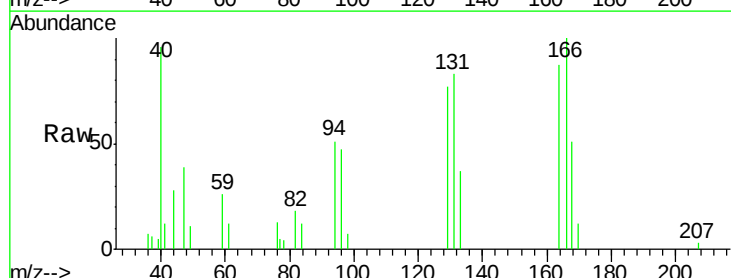
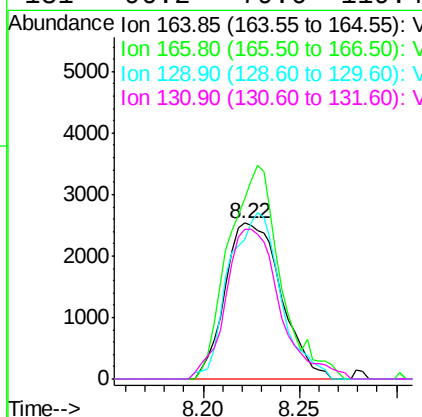
Manual Integrations
APPROVED

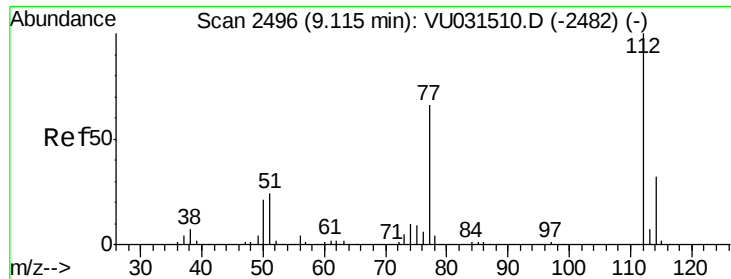
MMDadoda
4/26/2019 12:22:58 PM



#58
Tetrachloroethene
Concen: 0.253 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	5096		
166	115.6	101.2	151.8	
129	89.2	80.2	120.4	
131	96.2	79.6	119.4	





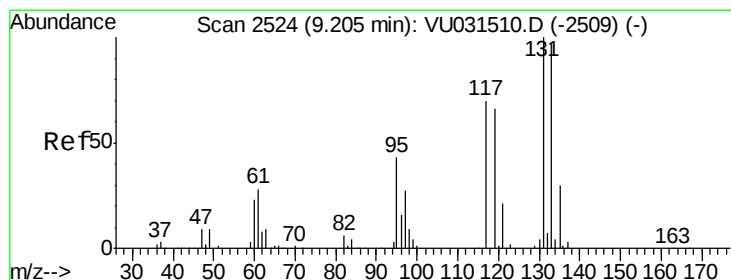
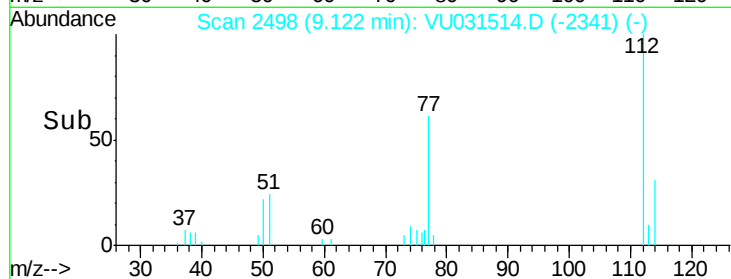
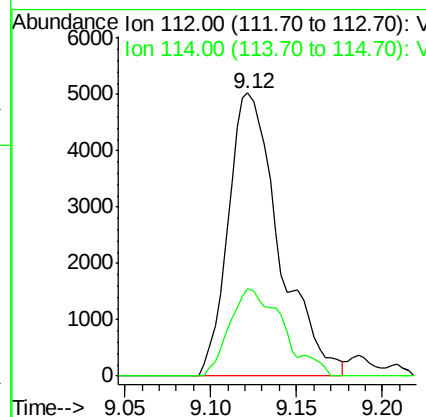
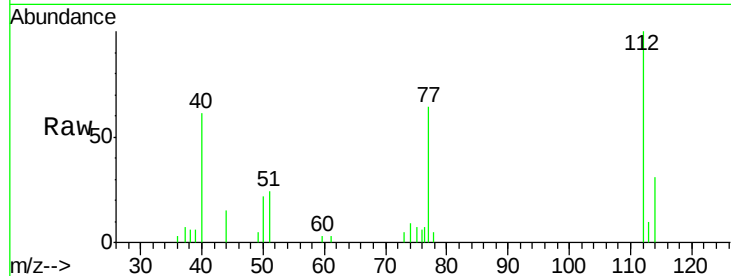
#59
Chlorobenzene
Concen: 0.223 ug/l
RT: 9.12 min Scan# 2498
Delta R.T. 0.01 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT2-2019

Tot Ion:112 Resp: 10376
Ion Ratio Lower Upper
112 100
114 31.0 25.8 38.6

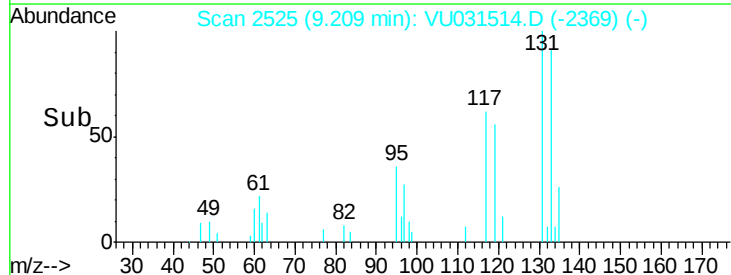
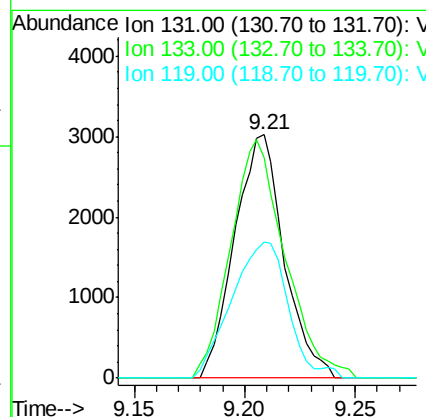
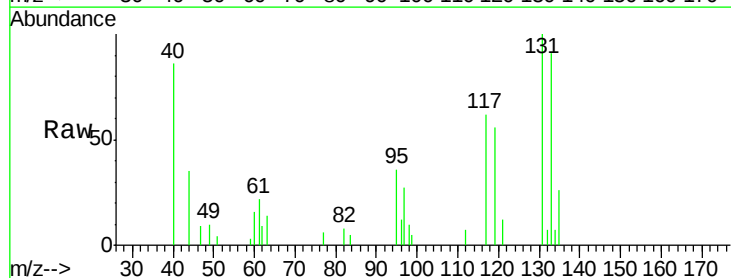
Manual Integrations
APPROVED

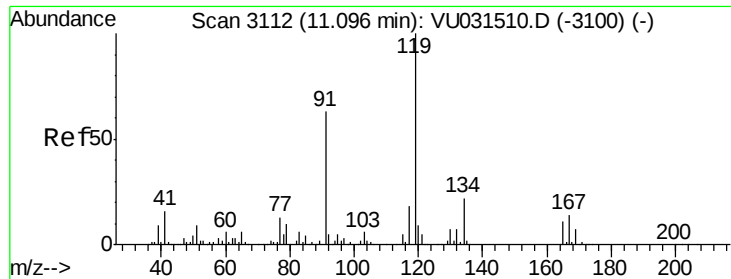
MMDadoda
4/26/2019 12:22:58 PM



#60
1,1,1,2-Tetrachloroethane
Concen: 0.258 ug/l
RT: 9.21 min Scan# 2525
Delta R.T. 0.00 min
Lab File: VU031514.D
Acq: 26 Apr 2019 00:17

Tgt Ion:131 Resp: 4688
Ion Ratio Lower Upper
131 100
133 107.8 77.7 116.5
119 64.1 53.4 80.0





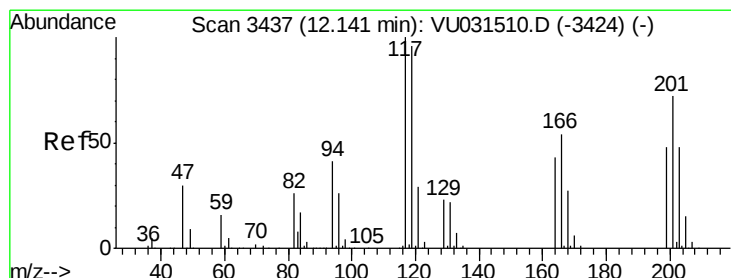
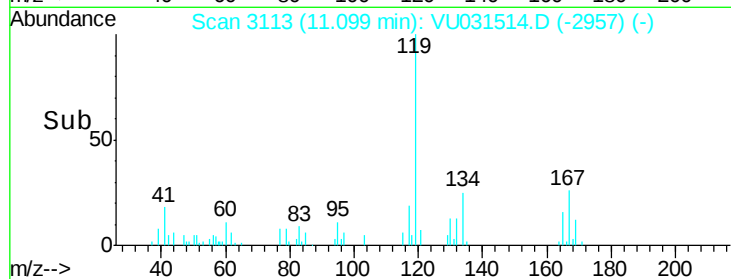
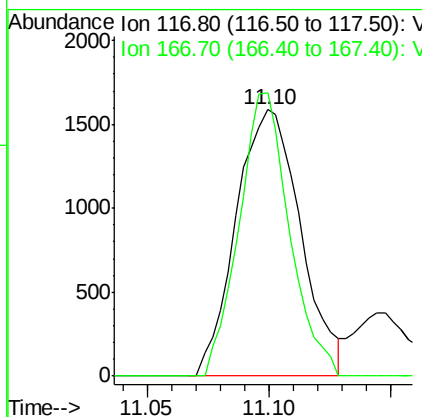
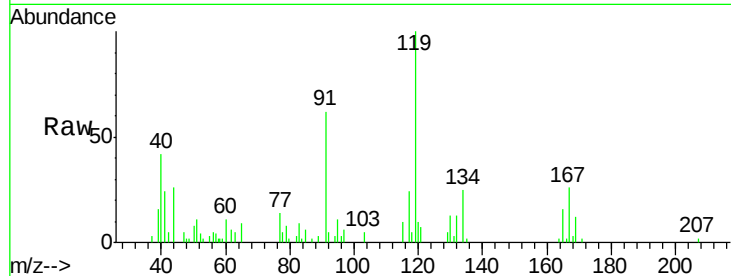
#61
 Pentachloroethane
 Concen: 0.227 ug/l
 RT: 11.10 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
117	100		
167	82.8	62.5	93.7

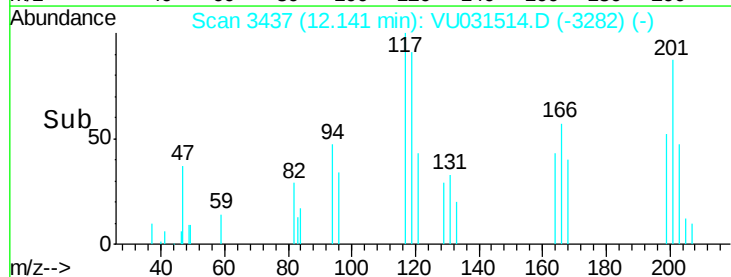
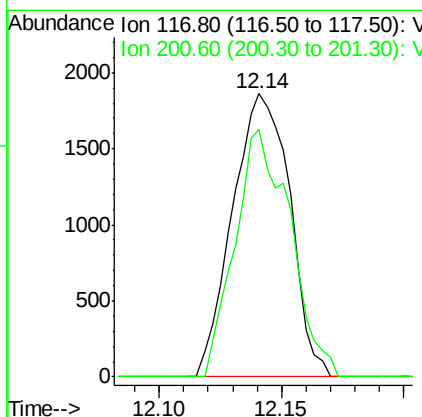
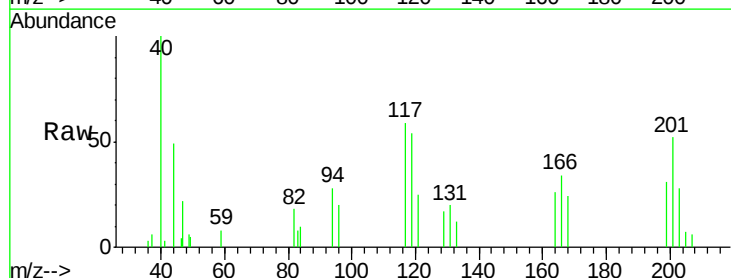
Manual Integrations
 APPROVED

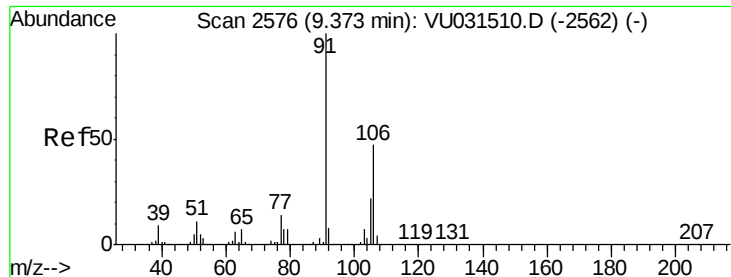
MMDadoda
 4/26/2019 12:22:58 PM



#62
 Hexachloroethane
 Concen: 0.240 ug/l
 RT: 12.14 min Scan# 3437
 Delta R.T. -0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	60.0	90.0





#64

m/p-Xvlenes

Concen: 0.327 ug/l

RT: 9.38 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:106 Resp: 9329

Ion Ratio Lower Upper

106 100

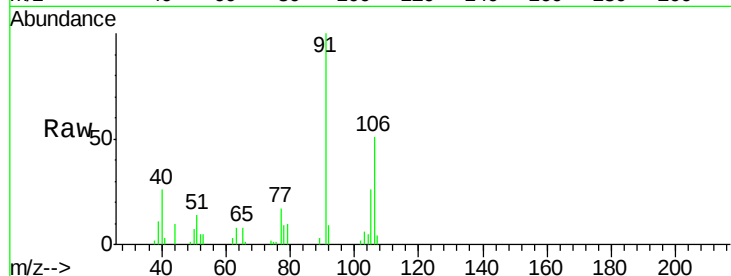
91 214.6 171.0 256.4

Manual Integrations

APPROVED

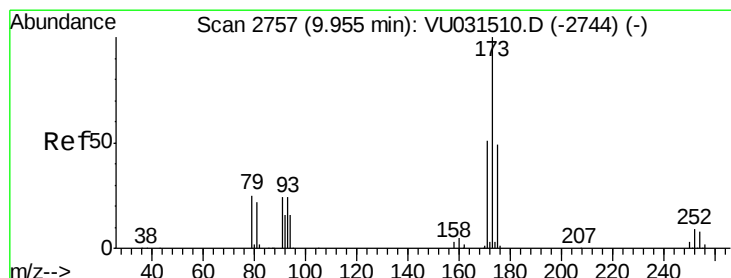
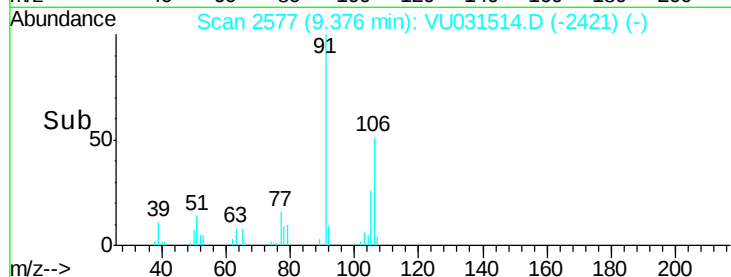
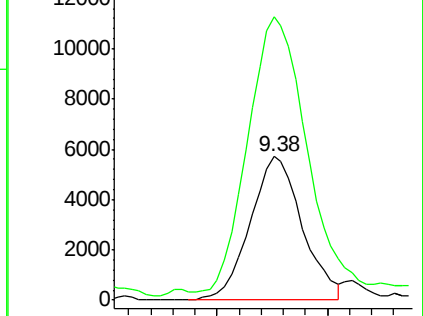
MMdadoda

4/26/2019 12:22:58 PM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#67

Bromoform

Concen: 0.222 ug/l

RT: 9.96 min Scan# 2758

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

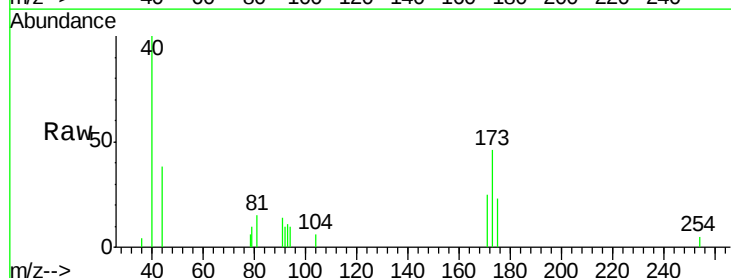
Tgt Ion:173 Resp: 2162

Ion Ratio Lower Upper

173 100

175 0.0 38.7 58.1#

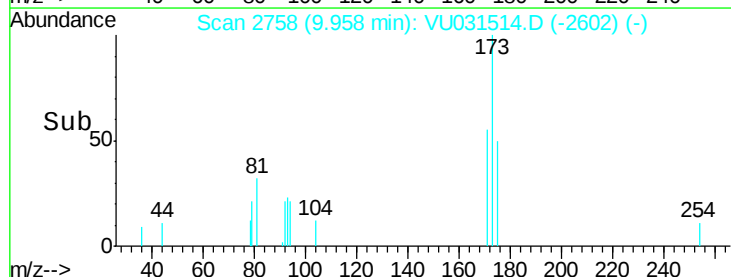
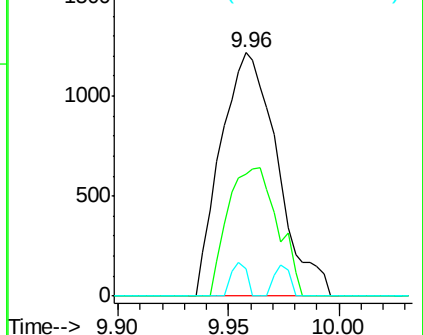
254 3.7 6.0 9.0#

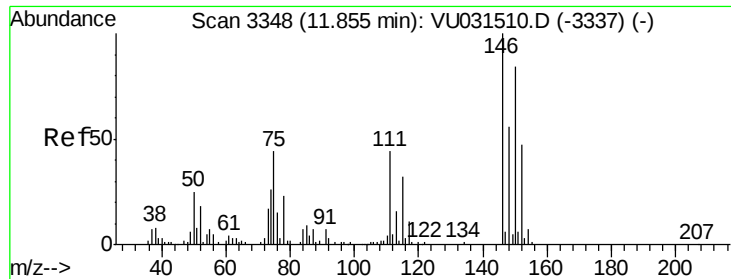


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V





#68

1,2-Dichlorobenzene-d4

Concen: 0.869 ug/l

RT: 11.86 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

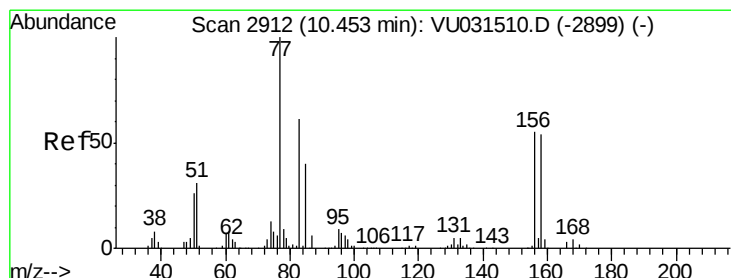
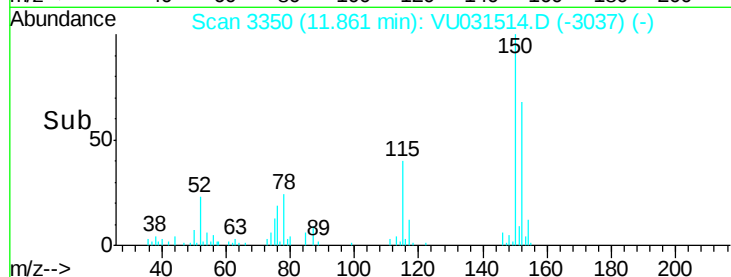
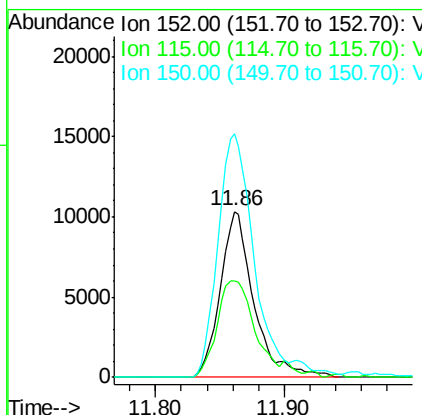
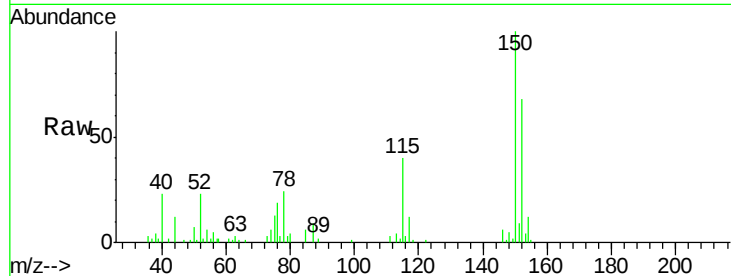
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	152	Resp:	18643
Ion	Ratio	Lower	Upper
152	100		
115	64.8	0.0	123.2
150	154.2	0.0	658.2

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM



#70

1,1,2,2-Tetrachloroethane

Concen: 0.256 ug/l

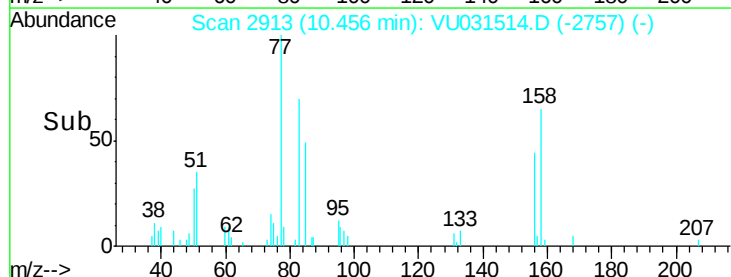
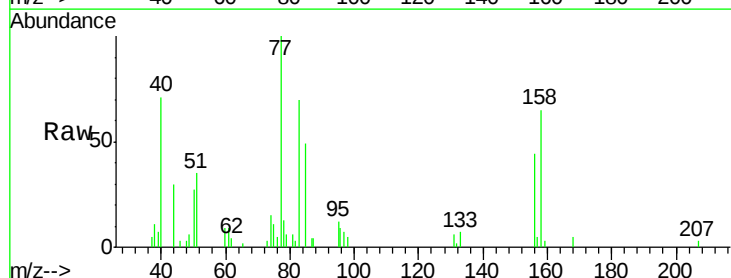
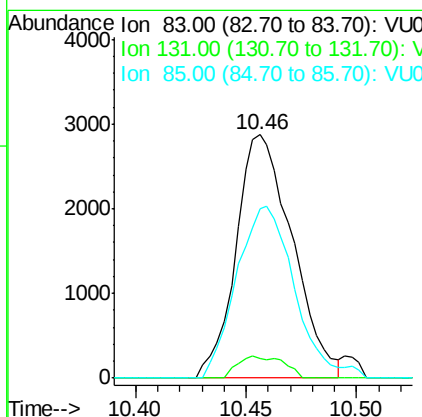
RT: 10.46 min Scan# 2913

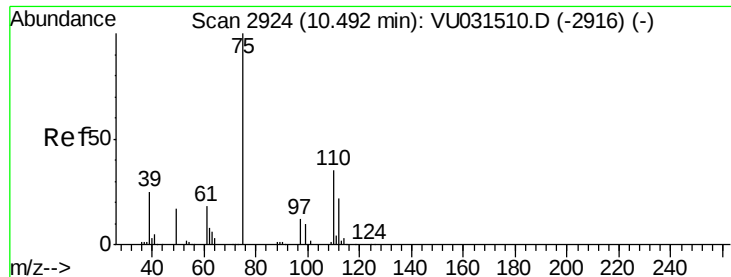
Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	83	Resp:	5096
Ion	Ratio	Lower	Upper
83	100		
131	7.3	7.2	10.8
85	72.7	52.8	79.2





#71

1,2,3-Trichloropropane

Concen: 0.249 ug/l m

RT: 10.49 min Scan# 2925

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

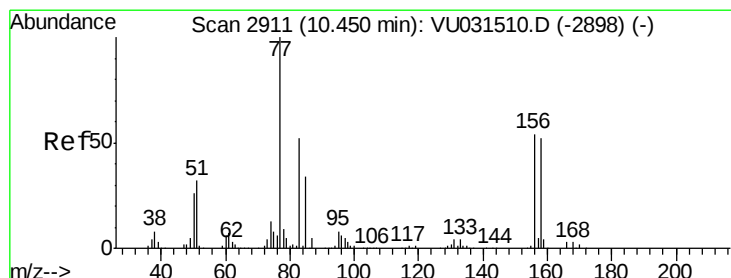
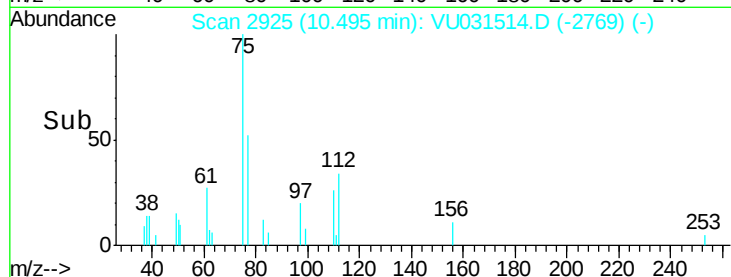
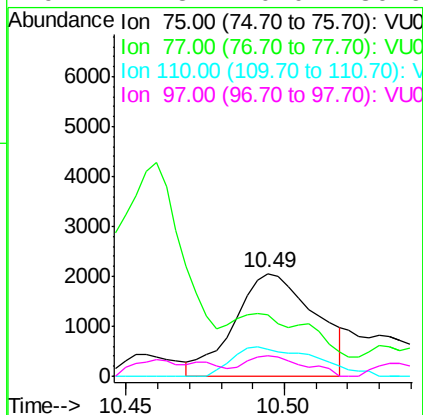
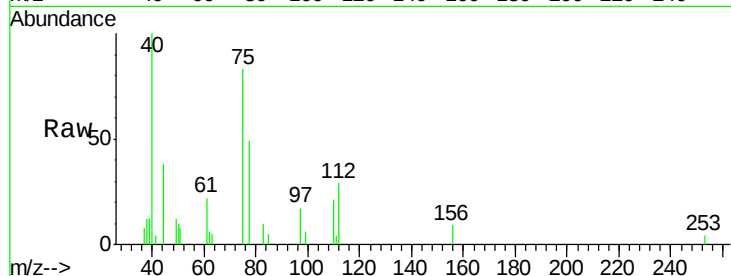
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	75	Resp:	3604
Ion Ratio	Lower	Upper	
75	100		
77	9.6	0.0	0.0#
110	29.5	0.0	68.2
97	14.8	0.0	36.6

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM



#72

Bromobenzene

Concen: 0.215 ug/l

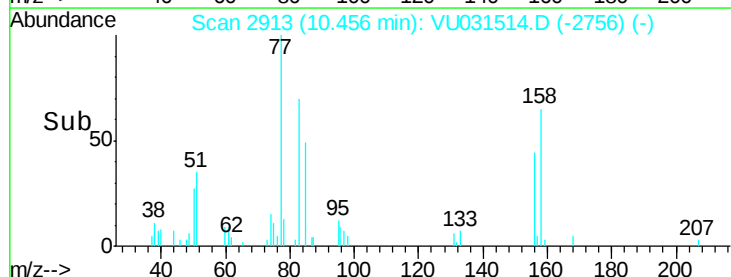
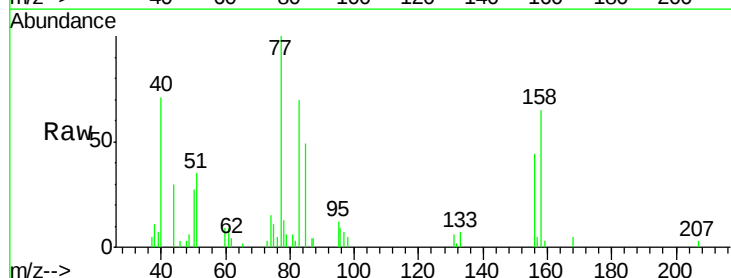
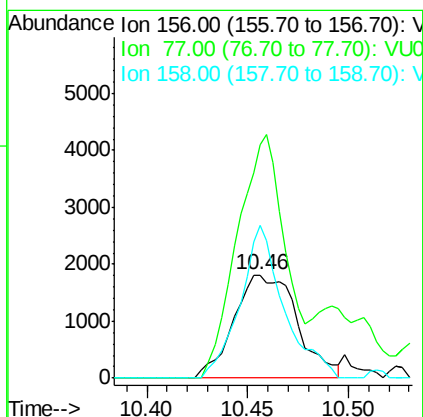
RT: 10.46 min Scan# 2913

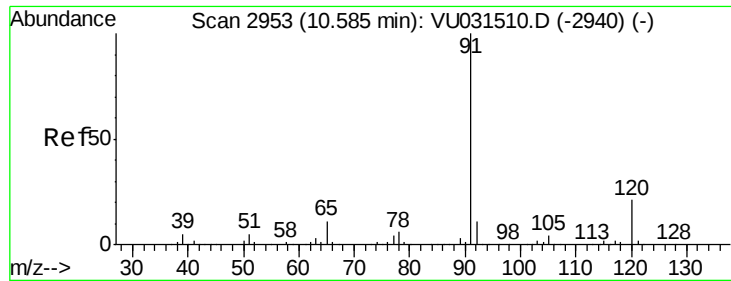
Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	156	Resp:	3962
Ion Ratio	Lower	Upper	
156	100		
77	179.0	0.0	353.4
158	102.5	0.0	190.6





#73

n-propylbenzene

Concen: 0.202 ug/l

RT: 10.59 min Scan# 2954

Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:120 Resp: 3799

Ion Ratio Lower Upper

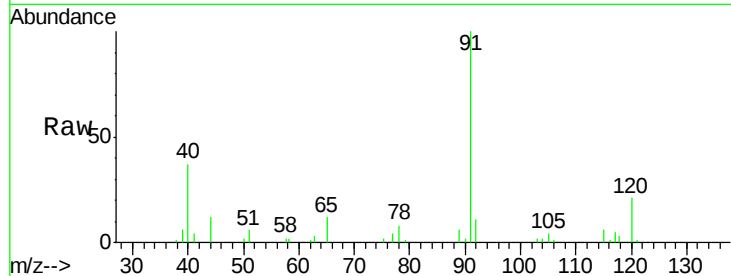
120 100

91 449.6 373.9 560.9

Manual Integrations
APPROVED

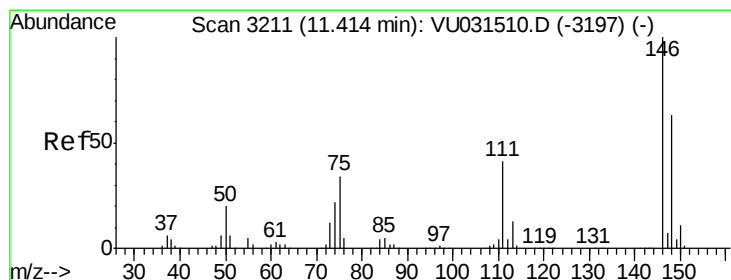
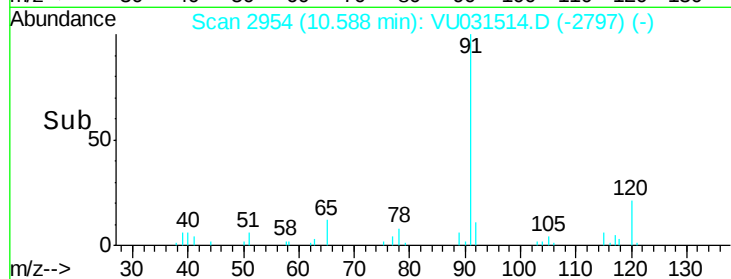
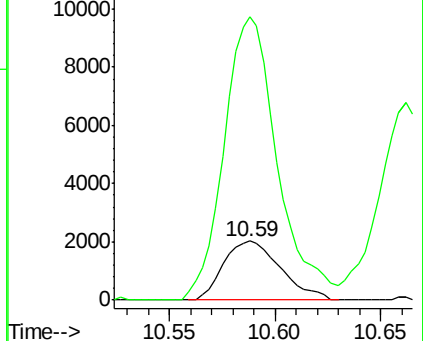
MMdadoda

4/26/2019 12:22:58 PM



Abundance Ion 120.00 (119.70 to 120.70): V

Ion 91.00 (90.70 to 91.70): VU0



#82

1,3-Dichlorobenzene

Concen: 0.217 ug/l m

RT: 11.42 min Scan# 3214

Delta R.T. 0.01 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

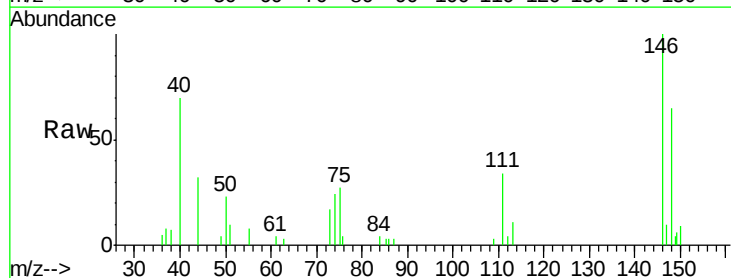
Tgt Ion:146 Resp: 7876

Ion Ratio Lower Upper

146 100

111 40.4 33.4 50.0

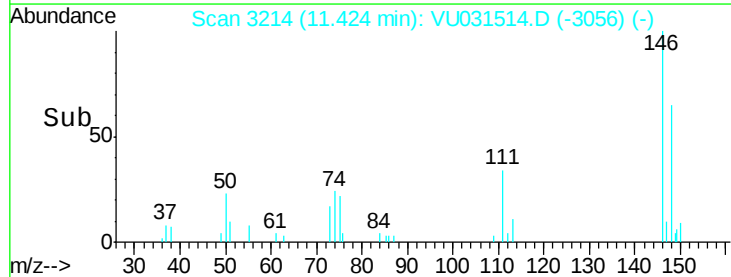
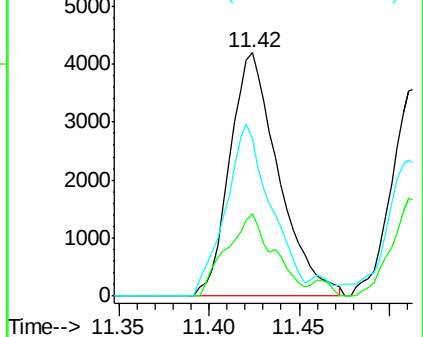
148 49.9 50.2 75.4#

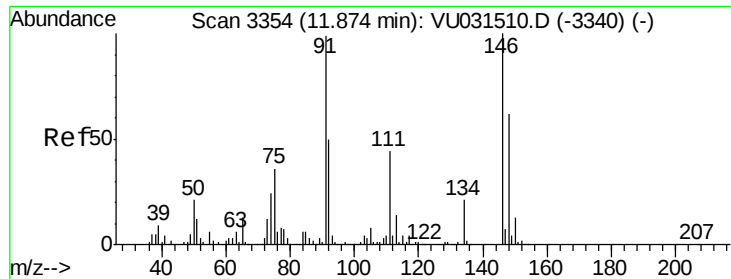


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





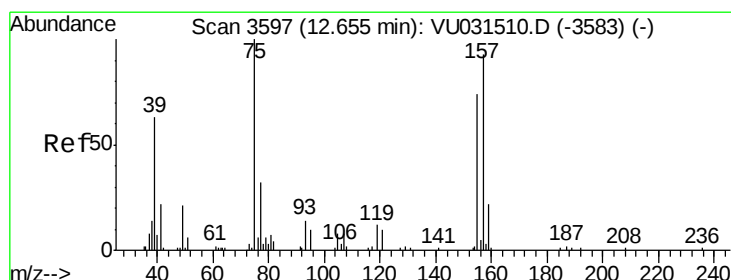
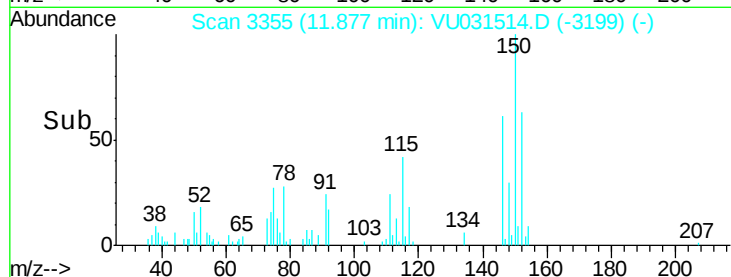
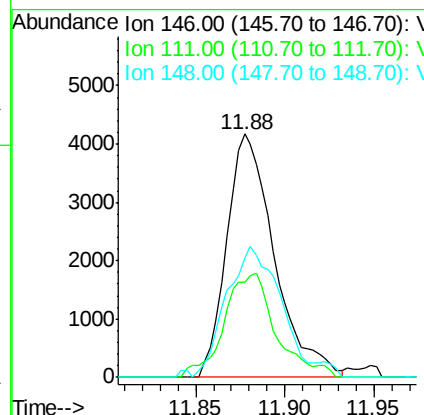
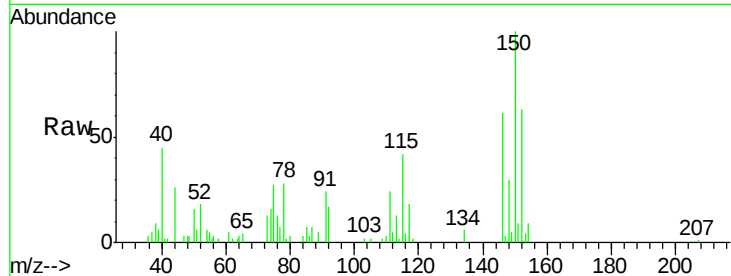
#85
 1,2-Dichlorobenzene
 Concen: 0.225 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. 0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2019

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	21.7	65.1
148	63.1	31.6	94.7

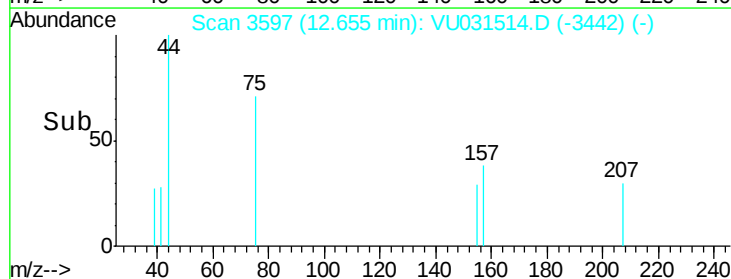
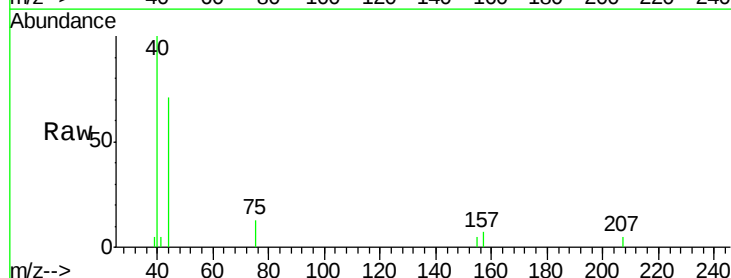
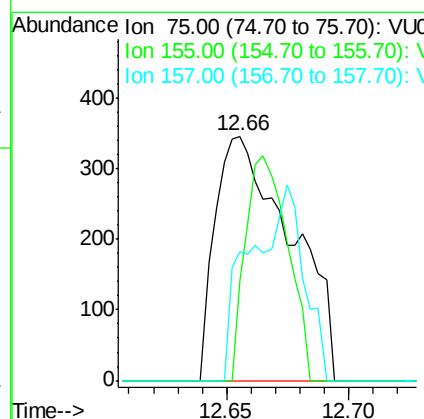
Manual Integrations
 APPROVED

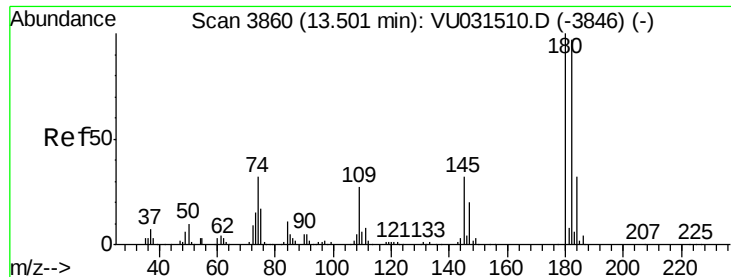
MMDadoda
 4/26/2019 12:22:58 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.259 ug/l
 RT: 12.66 min Scan# 3597
 Delta R.T. -0.00 min
 Lab File: VU031514.D
 Acq: 26 Apr 2019 00:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.3	58.5	87.7#
157	56.8	75.0	112.4#





#87

1,2,4-Trichlorobenzene

Concen: 0.204 ug/l m

RT: 13.52 min Scan# 3867

Delta R.T. 0.02 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

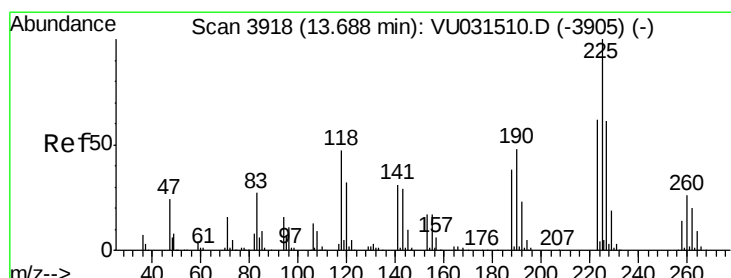
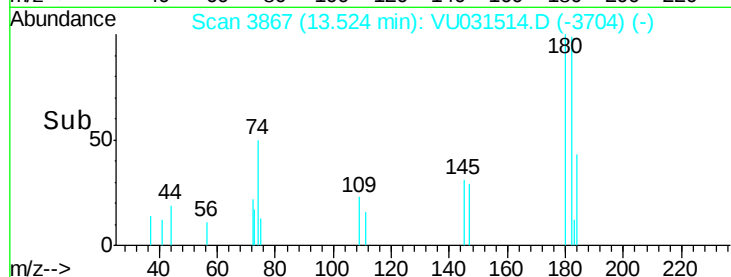
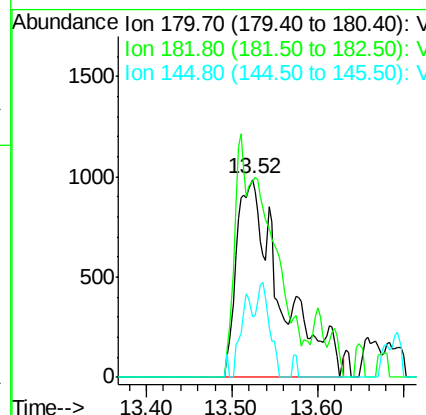
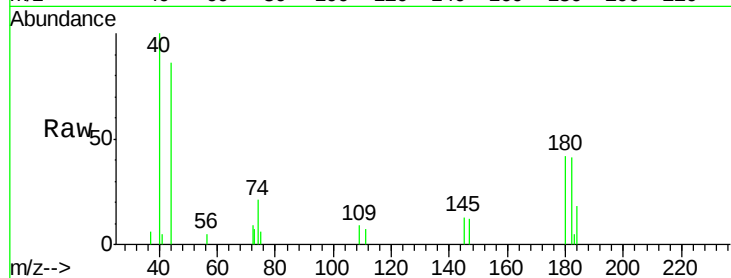
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	180	Resp:	3570
Ion Ratio	Lower	Upper	
180	100		
182	32.9	75.5	113.3#
145	10.9	23.9	35.9#

Manual Integrations
APPROVED

MMdadoda
4/26/2019 12:22:58 PM



#88

Hexachlorobutadiene

Concen: 0.255 ug/l

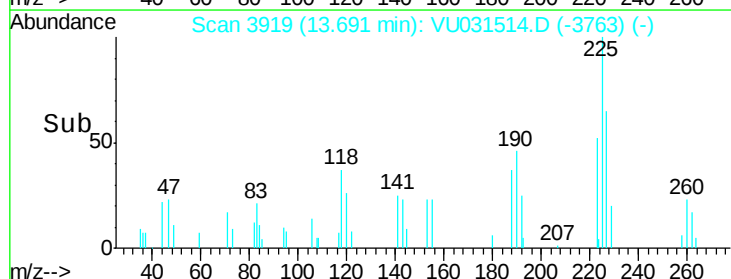
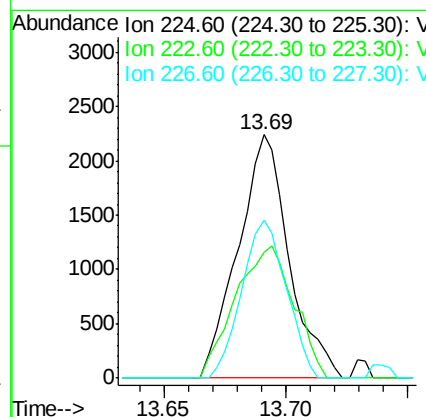
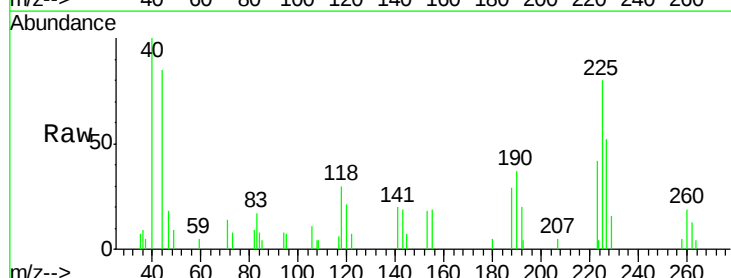
RT: 13.69 min Scan# 3919

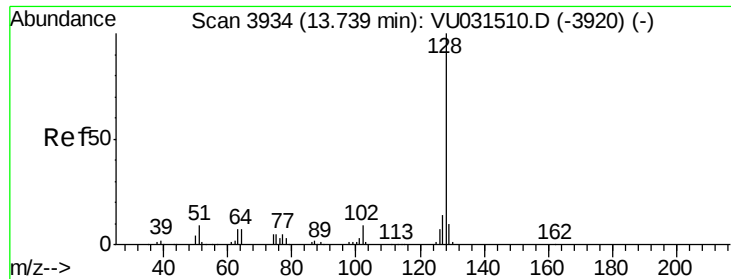
Delta R.T. 0.00 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	225	Resp:	3239
Ion Ratio	Lower	Upper	
225	100		
223	62.6	50.2	75.4
227	56.7	50.4	75.6





#89

Naphthalene

Concen: 0.211 ug/l m

RT: 13.76 min Scan# 3940

Delta R.T. 0.02 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Instrument :

MSVOA_U

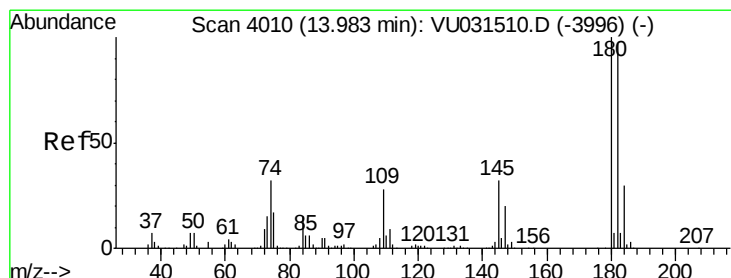
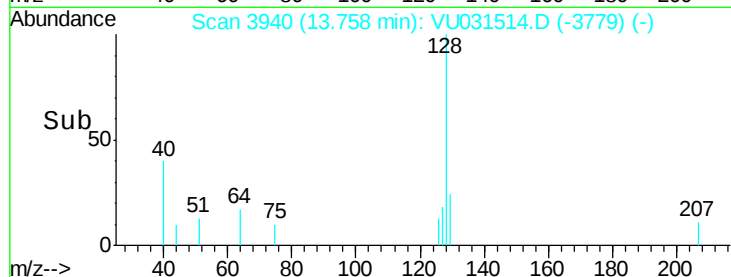
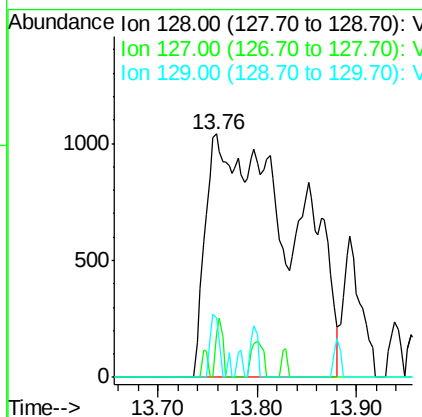
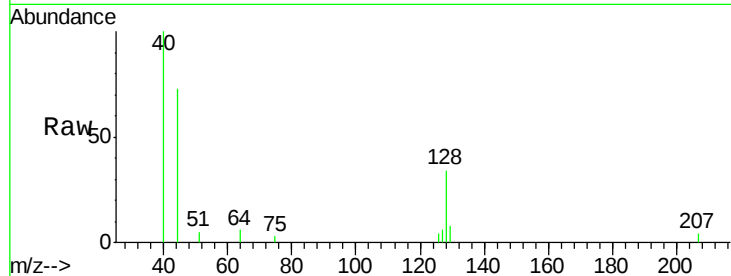
ClientSampleId :

LOD-MDL-WATER-01-QT2-2019

Tot Ion:	128	Resp:	6311
Ion Ratio	Lower	Upper	
128	100		
127	1.9	10.8	16.2#
129	2.6	8.2	12.2#

Manual Integrations
APPROVED

MMDadoda
4/26/2019 12:22:58 PM



#90

1,2,3-Trichlorobenzene

Concen: 0.242 ug/l m

RT: 14.00 min Scan# 4016

Delta R.T. 0.02 min

Lab File: VU031514.D

Acq: 26 Apr 2019 00:17

Tgt Ion:	180	Resp:	4343
Ion Ratio	Lower	Upper	
180	100		
182	34.5	77.1	115.7#
145	21.6	25.9	38.9#

