

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\U0103019\
 Data File : VU035551.D
 Acq On : 30 Oct 2019 10:33
 Operator : JC/SP
 Sample : K5111-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 4:09:15 PM

Quant Time: Oct 31 01:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 31 01:26:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	6.16	96	62613	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.67	95	19042	0.85	ug/l	0.01
Spiked Amount 1.000			Recovery	=	85.00%	
68) 1,2-Dichlorobenzene-d4	12.23	152	19271	0.80	ug/l	0.00
Spiked Amount 1.000			Recovery	=	80.00%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.40	85	7349	0.300	ug/l	98
3) Chloromethane	1.54	50	10224	0.340	ug/l	97
4) Vinyl Chloride	1.62	62	8188	0.307	ug/l	91
5) Bromomethane	1.88	94	4238	0.313	ug/l	89
6) Chloroethane	1.96	64	4658	0.304	ug/l	94
7) Trichlorofluoromethane	2.16	101	10418	0.317	ug/l	94
8) 1,1,2-Trichloro-1,2,2-trif	2.61	101	5934	0.333	ug/l	96
9) 1,1-Dichloroethene	2.61	96	5634	0.327	ug/l	93
10) Iodomethane	2.75	142	1937	0.231	ug/l	87
11) Allyl Chloride	2.96	41	8328	0.288	ug/l	93
12) Acrylonitrile	3.37	53	2638	0.611	ug/l #	72
13) Acetone	2.67	43	7654	1.826	ug/l	97
14) Carbon Disulfide	2.83	76	18736	0.308	ug/l	97
15) Methylene Chloride	3.08	84	9770	0.442	ug/l	90
16) trans-1,2-Dichloroethene	3.39	96	6341	0.335	ug/l	85
17) 1,1-Dichloroethane	3.93	63	11596	0.327	ug/l	96
18) 2-Butanone	4.79	43	5815	1.070	ug/l	96
19) Cyclohexane	5.43	56	7569m	0.269	ug/l	
20) Methylcyclohexane	6.80	83	7580	0.263	ug/l	94
21) 2,2-Dichloropropane	4.72	77	9813	0.321	ug/l	91
22) cis-1,2-Dichloroethene	4.72	96	5956	0.294	ug/l	99
23) Diethyl Ether	2.41	59	4391	0.309	ug/l	98
24) tert-Butyl Alcohol	3.24	59	19708	12.462	ug/l #	78
25) Methyl tert-Butyl Ether	3.43	73	14397	0.312	ug/l #	86
26) Bromochloromethane	5.03	128	2666	0.295	ug/l	92
27) Chloroform	5.14	83	15189	0.401	ug/l	93
28) 1,1,1-Trichloroethane	5.36	97	9541	0.318	ug/l	98
29) 1,1-Dichloropropene	5.57	75	6893	0.274	ug/l #	92
30) Carbon Tetrachloride	5.57	117	7616	0.285	ug/l	92
31) Isopropyl Ether	4.06	45	14227	0.287	ug/l	87
32) Ethyl-t-butyl ether	4.57	59	12749	0.278	ug/l	96
33) Tert-Amyl methyl ether	6.00	73	10454	0.265	ug/l	99
34) Propionitrile	4.86	54	2180	1.385	ug/l #	88
35) Benzene	5.82	78	21916	0.285	ug/l	94
36) 1,2-Dichloroethane	5.84	62	6720	0.305	ug/l #	84
37) Trichloroethene	6.58	130	6045	0.283	ug/l	91
38) 1,2-Dichloropropane	6.84	63	6266	0.298	ug/l	96
39) Methacrylonitrile	5.04	41	1480	0.250	ug/l #	86
40) Methyl acrylate	4.92	55	2385	0.265	ug/l #	71
41) Tetrahydrofuran	5.14	42	1765	0.581	ug/l #	44
42) 1-Chlorobutane	5.51	56	8517	0.246	ug/l	85

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU103019\
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Manual Integrations
 APPROVED

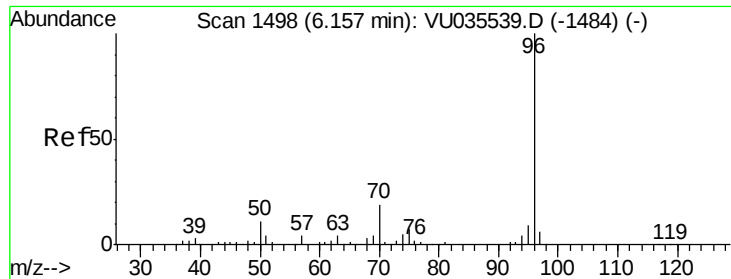
MMDadoda
 10/31/2019 4:09:15 PM

Quant Time: Oct 31 01:38:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\524U102919DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

43) Dibromomethane	6.96	93	3315	0.315	ug/l	93
44) Bromodichloromethane	7.15	83	7934	0.303	ug/l #	95
45) 4-Methyl-2-Pentanone	7.85	43	15750	1.404	ug/l	93
46) t-1,4-Dichloro-2-butene	10.89	75	2400m	0.589	ug/l	
47) Methyl methacrylate	7.02	69	3384	0.388	ug/l #	84
48) Ethyl methacrylate	8.39	69	3450m	0.227	ug/l	
49) Toluene	8.01	92	10316	0.234	ug/l	96
50) t-1,3-Dichloropropene	8.25	75	5956m	0.257	ug/l	
51) cis-1,3-Dichloropropene	7.65	75	7097	0.258	ug/l	97
52) 1,1,2-Trichloroethane	8.44	97	4683	0.318	ug/l	93
53) 1,3-Dichloropropane	8.61	76	6272	0.251	ug/l	96
54) 2-Hexanone	8.77	43	7669	0.962	ug/l	96
55) Dibromochloromethane	8.84	129	5579	0.310	ug/l	94
56) 1,2-Dibromoethane	8.96	107	3783	0.281	ug/l	86
58) Tetrachloroethene	8.59	164	5482	0.280	ug/l	93
59) Chlorobenzene	9.48	112	13486	0.265	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.57	131	5788	0.296	ug/l	96
61) Pentachloroethane	11.46	117	4741	0.297	ug/l	94
62) Hexachloroethane	12.50	117	4494	0.308	ug/l	98
63) Ethyl Benzene	9.60	91	18206	0.230	ug/l	98
64) m/p-Xylenes	9.73	106	13017	0.417	ug/l #	30
67) Bromoform	10.32	173	3228	0.289	ug/l #	94
69) Isopropylbenzene	10.52	105	16379	0.208	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.82	83	6101	0.310	ug/l #	77
71) 1,2,3-Trichloropropane	10.86	75	3401	0.230	ug/l	91
72) Bromobenzene	10.82	156	5462	0.249	ug/l	88
77) tert-Butylbenzene	11.46	119	14129	0.213	ug/l	95
80) Nitrobenzene	13.24	77	328	0.498	ug/l #	41
82) 1,3-Dichlorobenzene	11.79	146	8847	0.212	ug/l	98
83) 1,4-Dichlorobenzene	11.87	146	8157	0.204	ug/l	97
85) 1,2-Dichlorobenzene	12.25	146	8552	0.218	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	13.03	75	606	0.242	ug/l #	87
88) Hexachlorobutadiene	14.04	225	3749	0.256	ug/l	95

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 6.16 min Scan# 1498

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

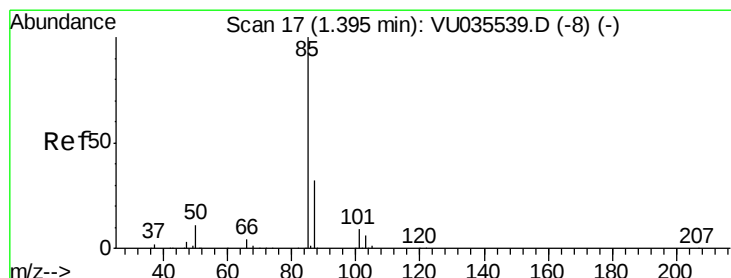
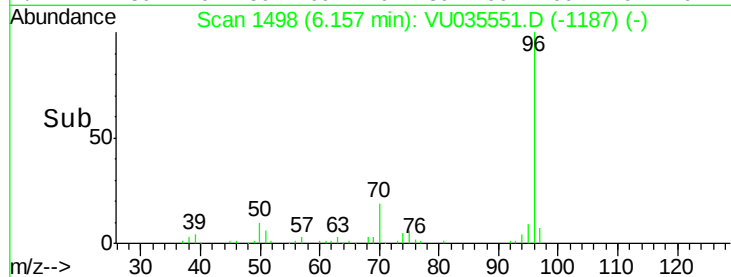
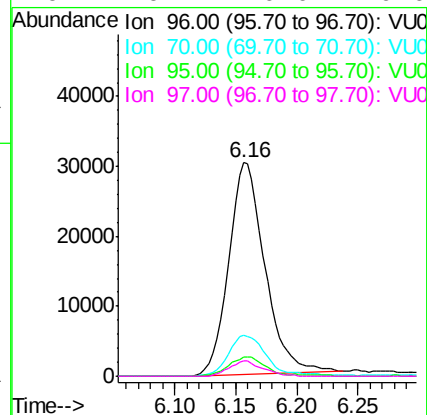
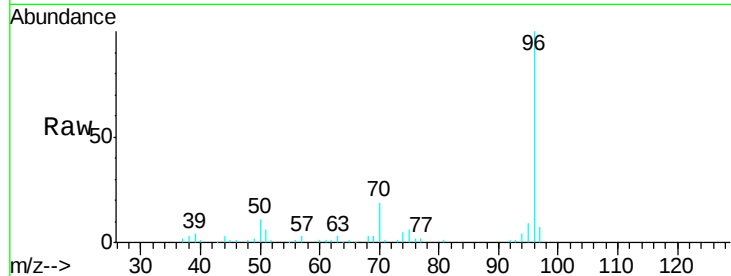
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	96	Resp:	62613
Ion	Ratio	Lower	Upper
96	100		
70	21.0	15.8	23.8
95	8.9	7.4	11.2
97	6.7	0.0	0.0#

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 0.300 ug/l

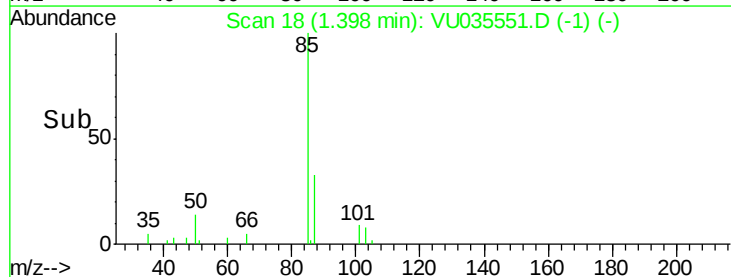
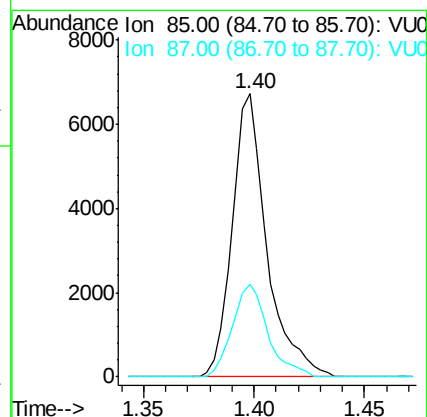
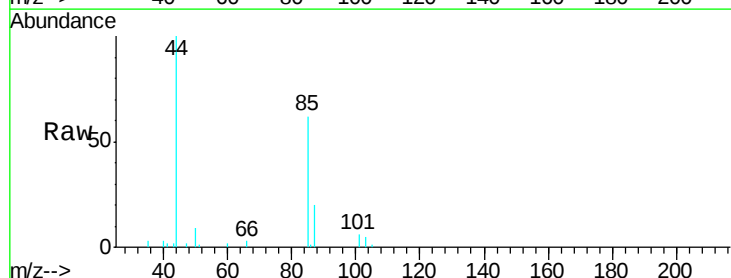
RT: 1.40 min Scan# 18

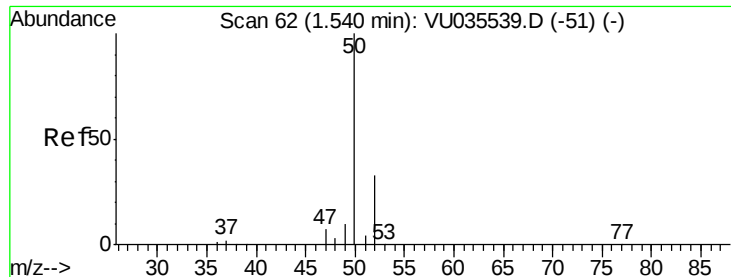
Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Tgt Ion:	85	Resp:	7349
Ion	Ratio	Lower	Upper
85	100		
87	32.6	15.8	47.4





#3

Chloromethane

Concen: 0.340 ug/l

RT: 1.54 min Scan# 62

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 50 Resp: 10224

Ion Ratio Lower Upper

50 100

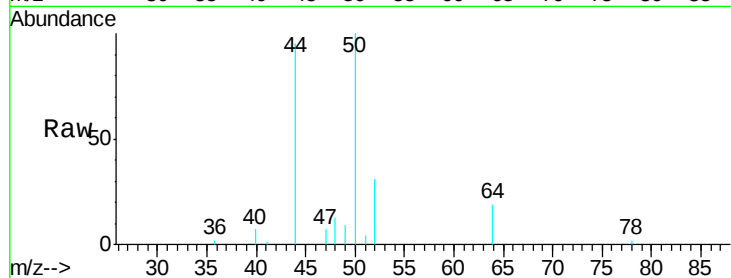
52 30.6 26.0 39.0

Manual Integrations

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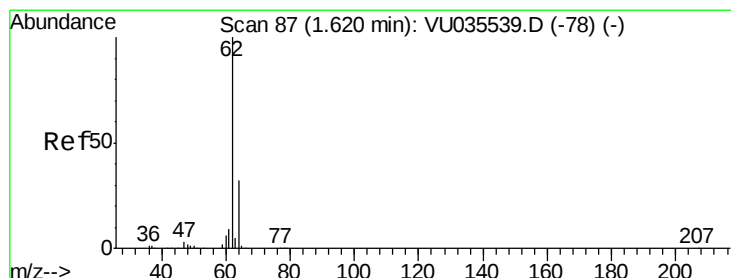
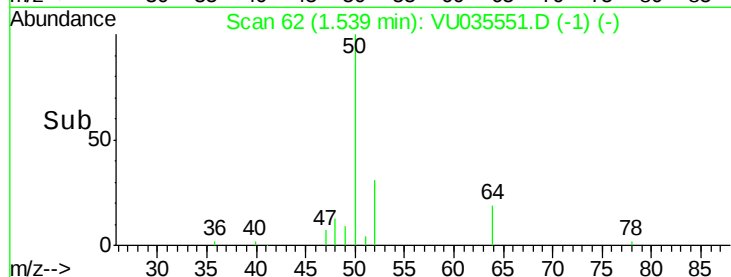
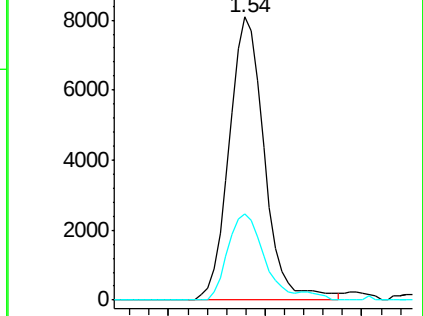
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Abundance Ion 50.00 (49.70 to 50.70): VU035539.D (-51) (-)

Ion 52.00 (51.70 to 52.70): VU035539.D (-51) (-)



#4

Vinyl Chloride

Concen: 0.307 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VU035551.D

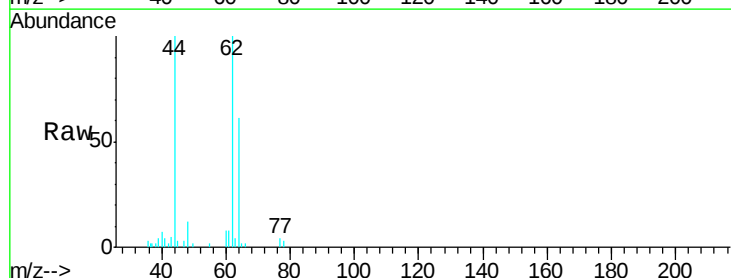
Acq: 30 Oct 2019 10:33

Tgt Ion: 62 Resp: 8188

Ion Ratio Lower Upper

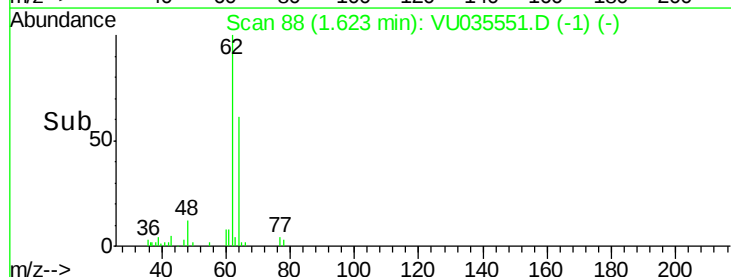
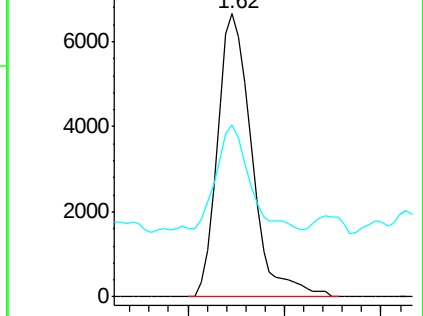
62 100

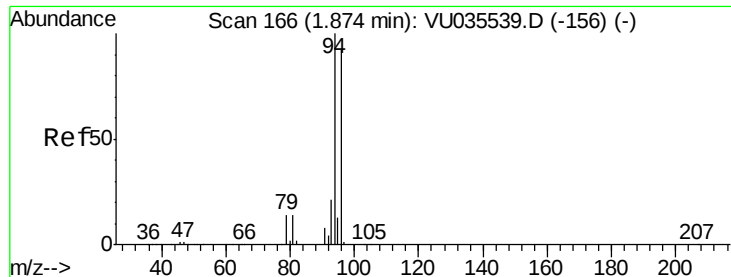
64 36.9 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-78) (-)

Ion 64.00 (63.70 to 64.70): VU035539.D (-78) (-)





#5

Bromomethane

Concen: 0.313 ug/l

RT: 1.88 min Scan# 168

Delta R.T. 0.01 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 94 Resp: 4238

Ion Ratio Lower Upper

94 100

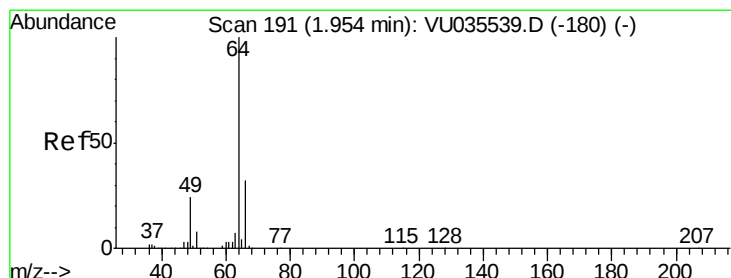
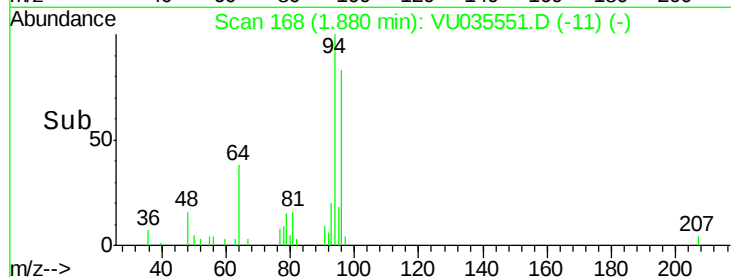
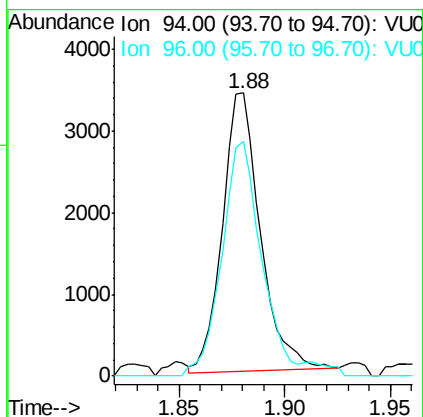
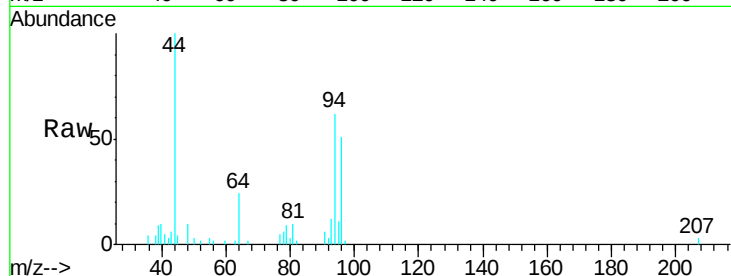
96 82.1 73.8 110.8

Manual Integrations

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#6

Chloroethane

Concen: 0.304 ug/l

RT: 1.96 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU035551.D

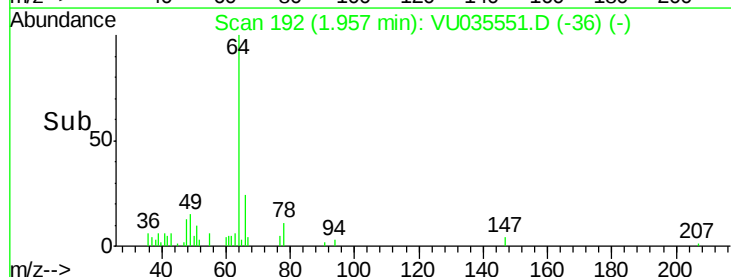
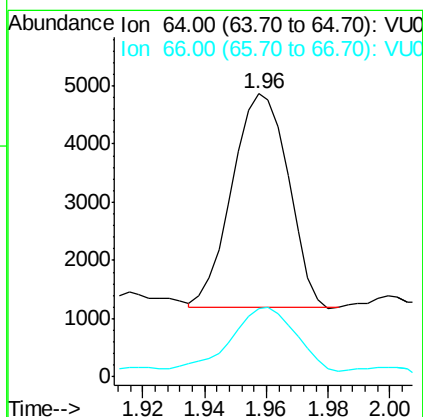
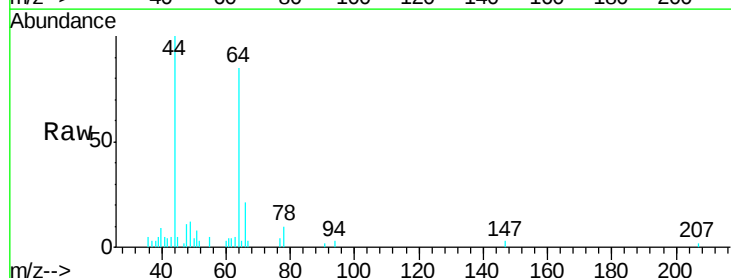
Acq: 30 Oct 2019 10:33

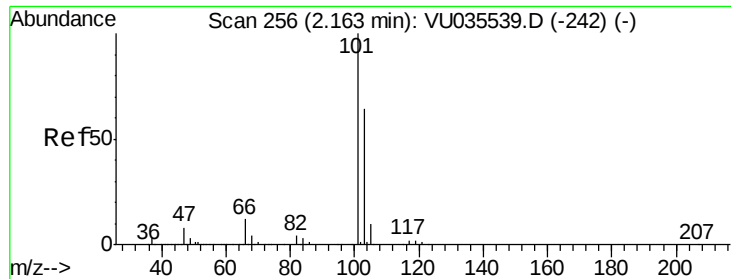
Tgt Ion: 64 Resp: 4658

Ion Ratio Lower Upper

64 100

66 28.9 25.9 38.9





#7

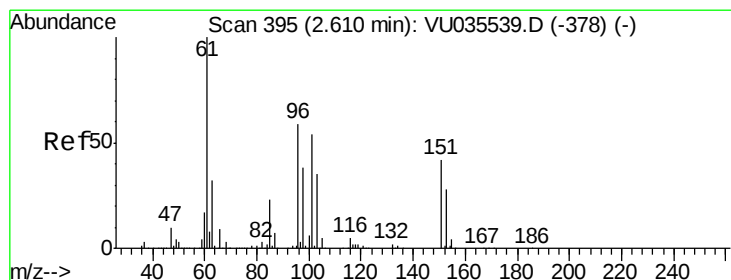
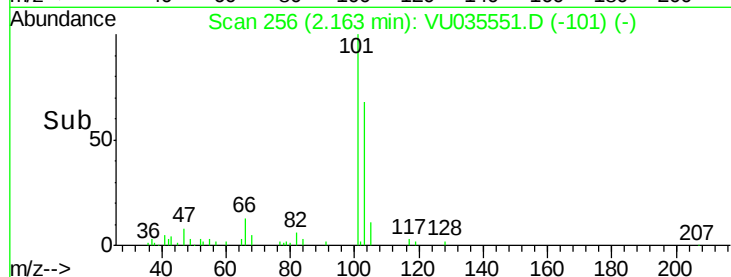
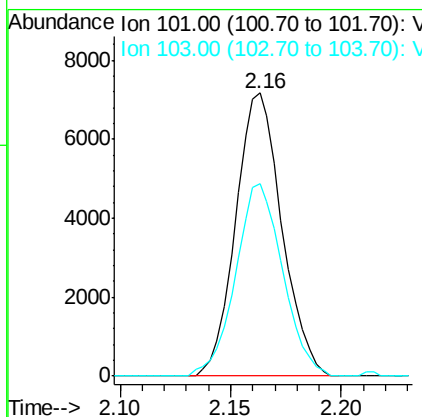
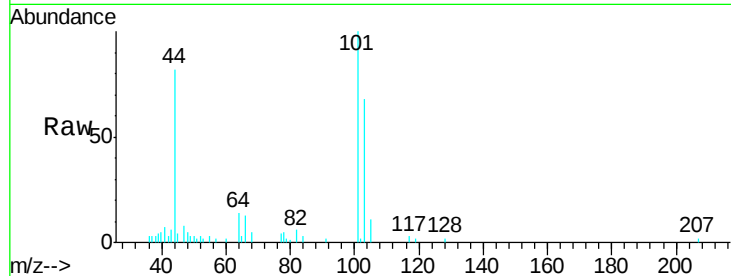
Trichlorofluoromethane
Concen: 0.317 ug/l
RT: 2.16 min Scan# 256
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	10418		
103	68.2	51.0	76.6	

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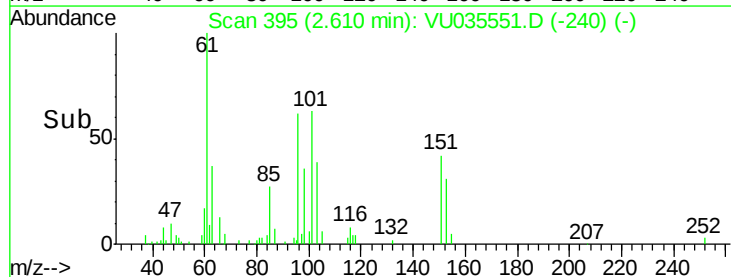
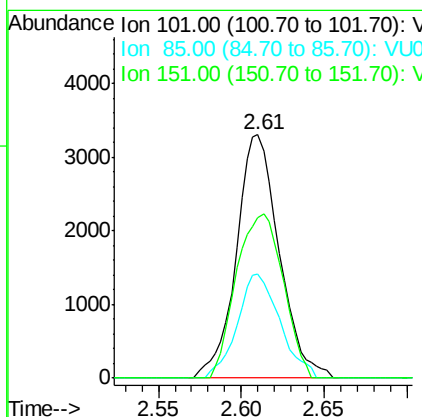
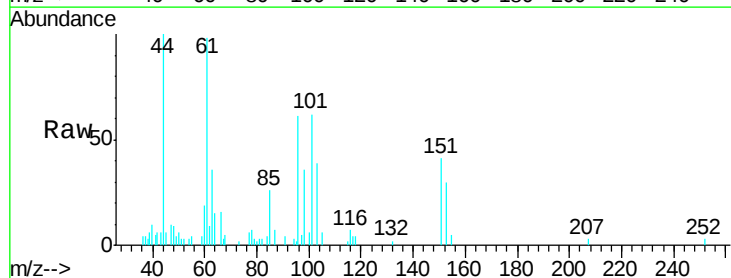
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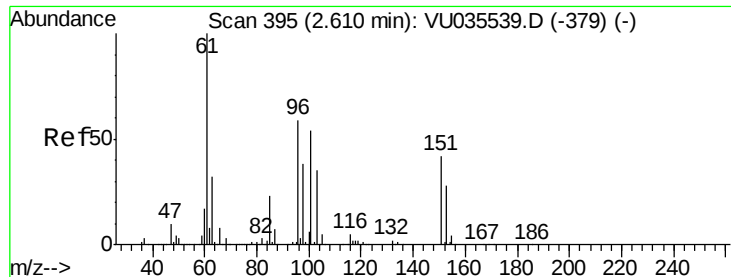


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.333 ug/l
RT: 2.61 min Scan# 395
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	5934		
85	42.6	35.8	53.6	
151	73.8	61.8	92.6	





#9

1,1-Dichloroethene

Concen: 0.327 ug/l

RT: 2.61 min Scan# 395

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

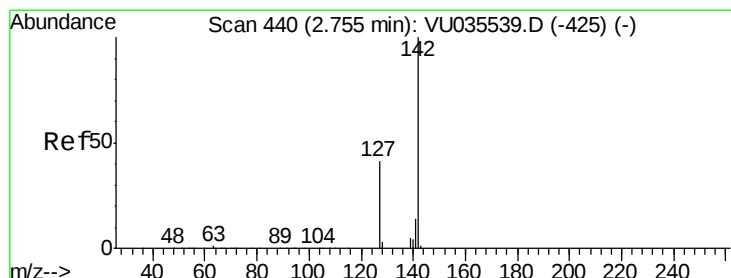
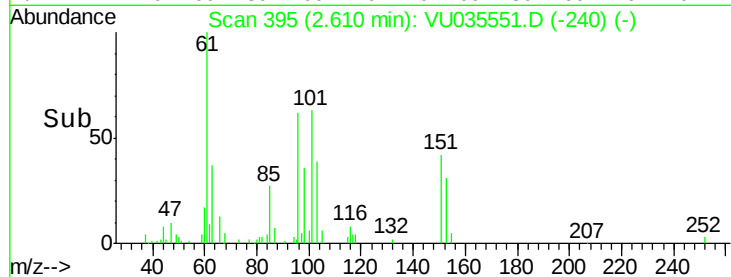
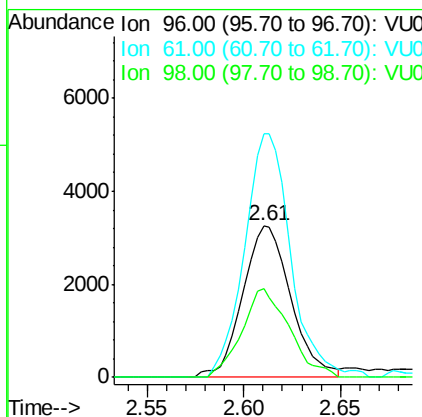
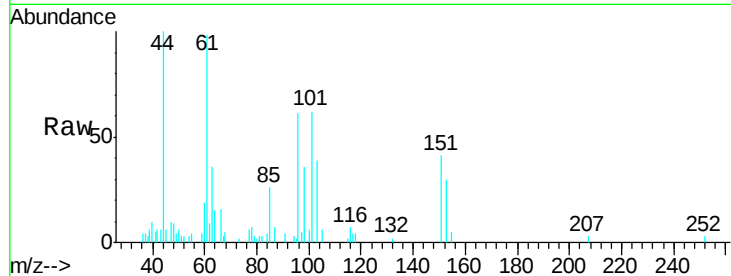
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	96	Resp:	5634
Ion	Ratio	Lower	Upper
96	100		
61	160.7	0.0	508.8
98	58.6	0.0	130.4

Manual Integrations
APPROVED

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#10

Iodomethane

Concen: 0.231 ug/l

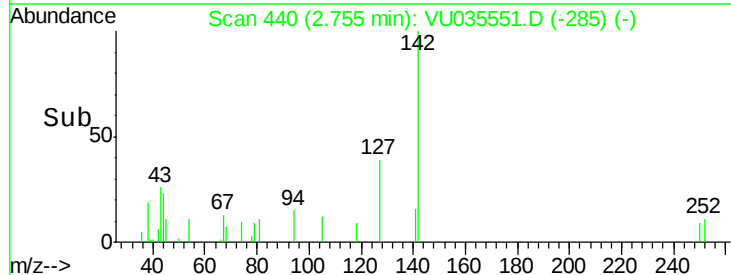
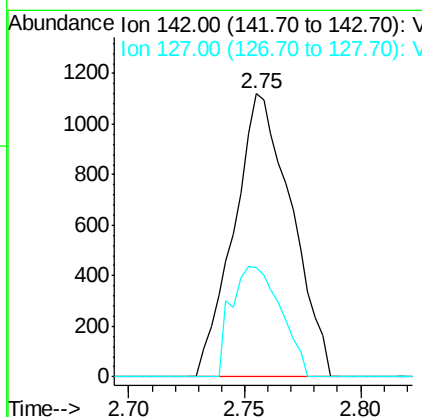
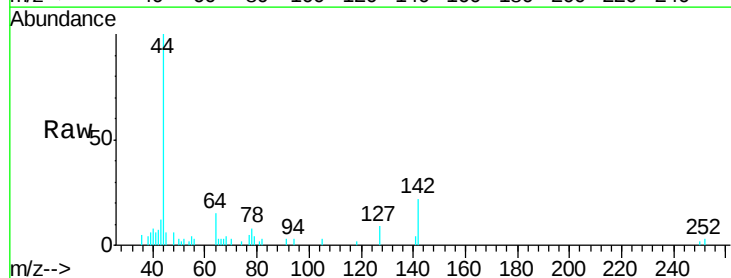
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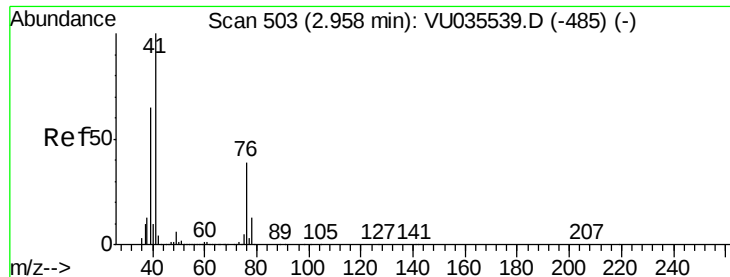
Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Tgt Ion:	142	Resp:	1937
Ion	Ratio	Lower	Upper
142	100		
127	33.5	33.4	50.0





#11

Allyl Chloride

Concen: 0.288 ug/l

RT: 2.96 min Scan# 503

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

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Tgt Ion: 41 Resp: 8328

Ion Ratio Lower Upper

41 100

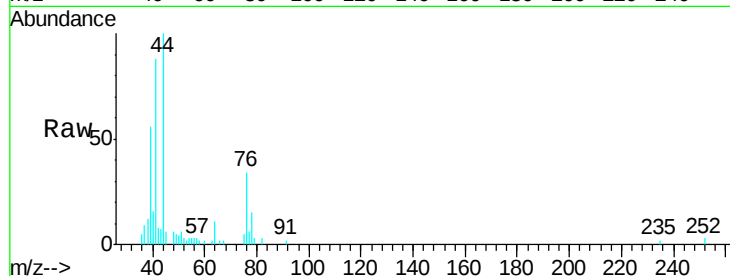
39 70.9 52.0 78.0

Manual Integrations

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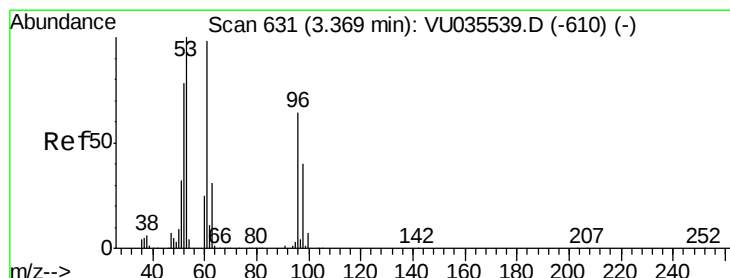
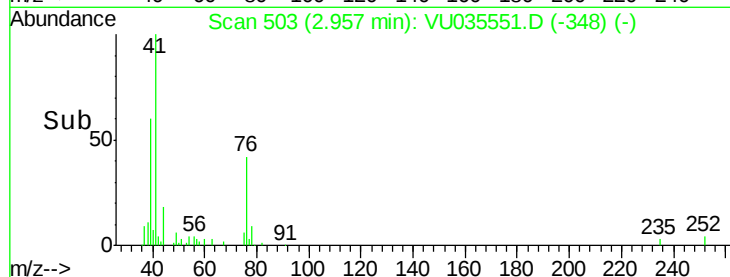
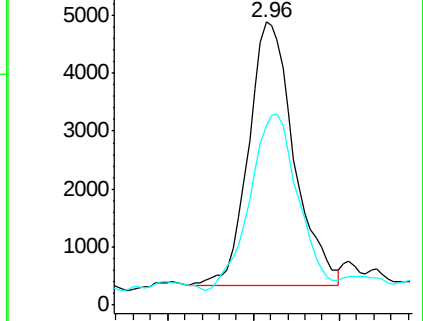
MMDadoda

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Abundance Ion 41.00 (40.70 to 41.70): VU035539.D (-485) (-)

Ion 39.00 (38.70 to 39.70): VU035539.D (-485) (-)



#12

Acrylonitrile

Concen: 0.611 ug/l

RT: 3.37 min Scan# 631

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

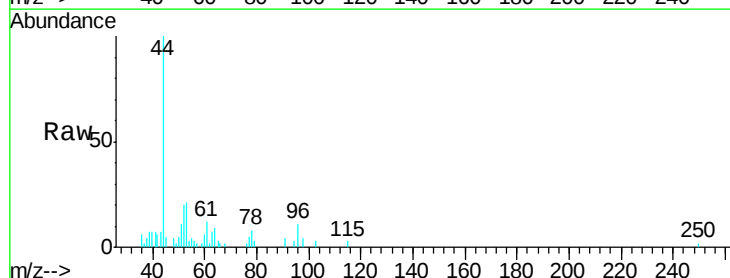
Tgt Ion: 53 Resp: 2638

Ion Ratio Lower Upper

53 100

52 55.6 67.4 101.0#

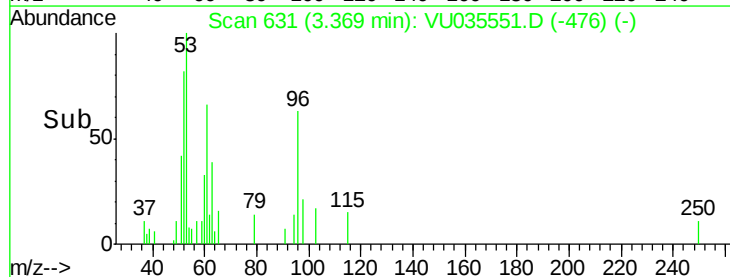
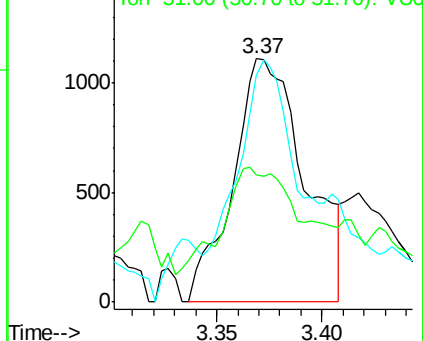
51 44.0 27.0 40.4#

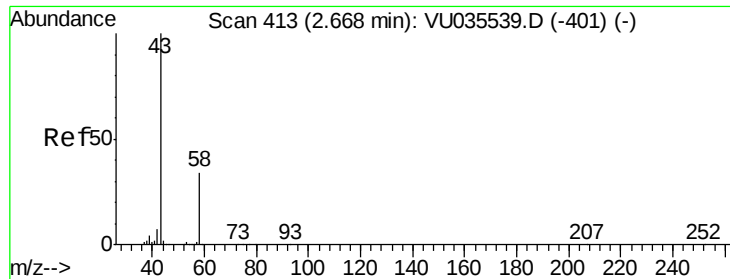


Abundance Ion 53.00 (52.70 to 53.70): VU035539.D (-610) (-)

Ion 52.00 (51.70 to 52.70): VU035539.D (-610) (-)

Ion 51.00 (50.70 to 51.70): VU035539.D (-610) (-)





#13

Acetone

Concen: 1.826 ug/l

RT: 2.67 min Scan# 415

Delta R.T. 0.01 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 43 Resp: 7654

Ion Ratio Lower Upper

43 100

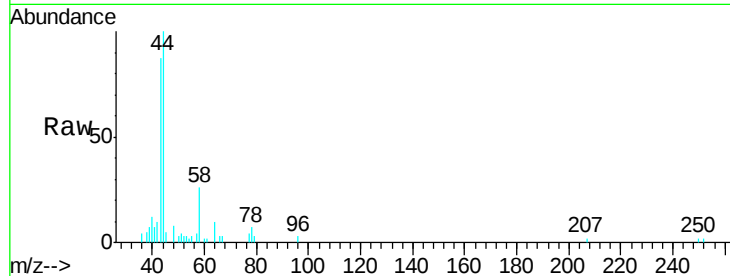
58 32.7 27.6 41.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.67

5000

4000

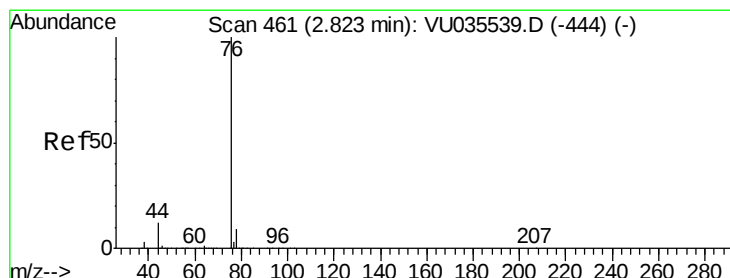
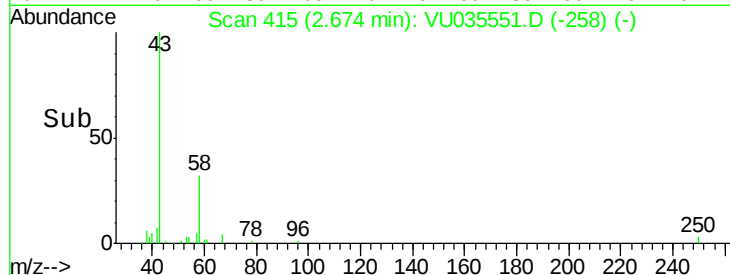
3000

2000

1000

0

Time--> 2.60 2.65 2.70



#14

Carbon Disulfide

Concen: 0.308 ug/l

RT: 2.83 min Scan# 462

Delta R.T. 0.00 min

Lab File: VU035551.D

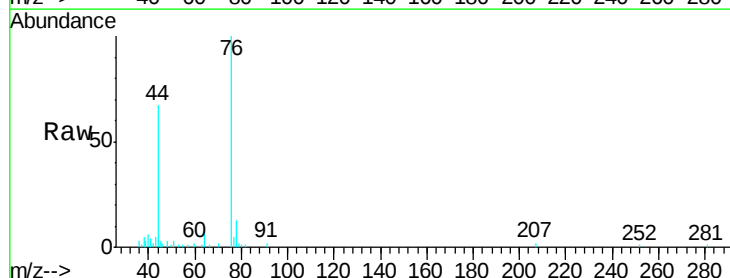
Acq: 30 Oct 2019 10:33

Tgt Ion: 76 Resp: 18736

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.83

10000

8000

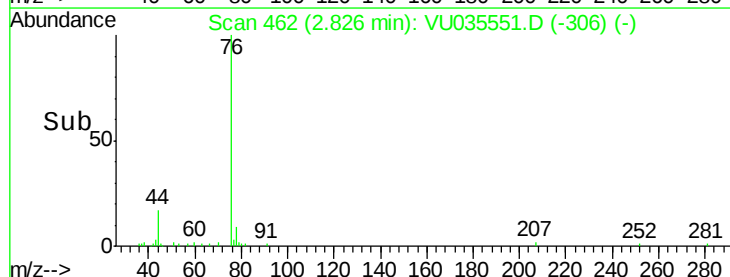
6000

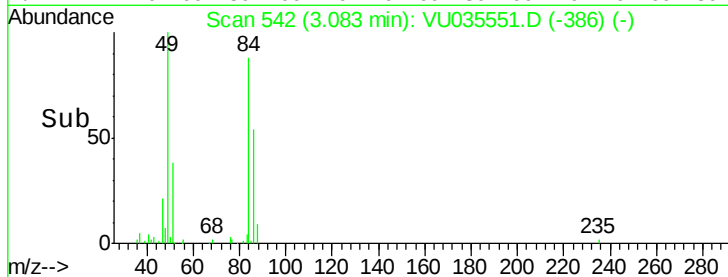
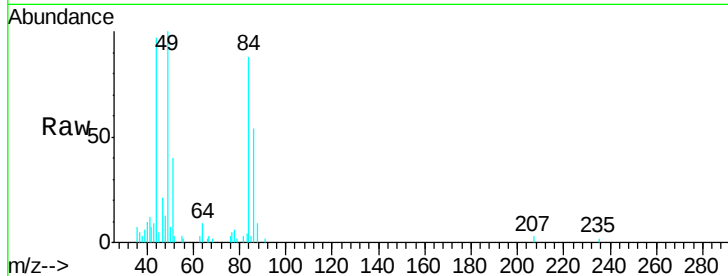
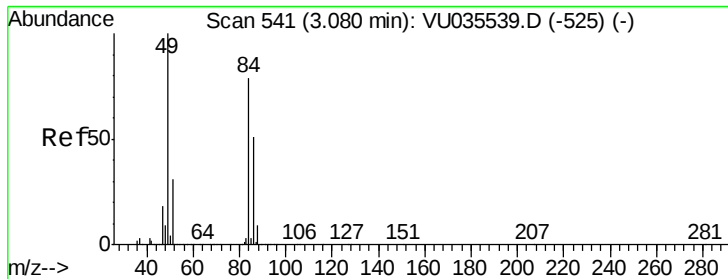
4000

2000

0

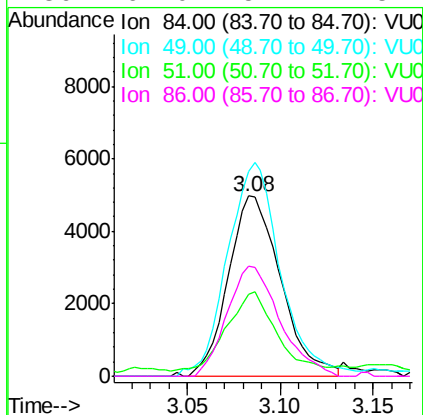
Time--> 2.75 2.80 2.85 2.90





#15
Methylene Chloride
Concen: 0.442 ug/l
RT: 3.08 min Scan# 542
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

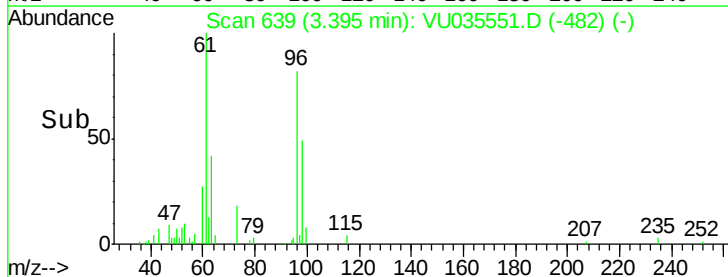
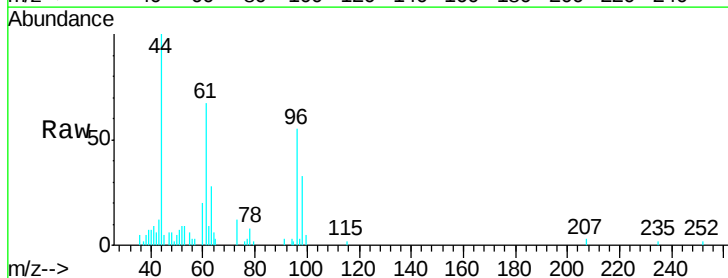
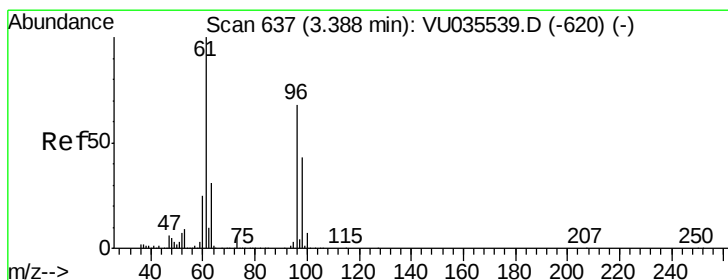
Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.0	101.5	152.3
51	41.4	0.0	78.6
86	61.0	52.2	78.2



Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

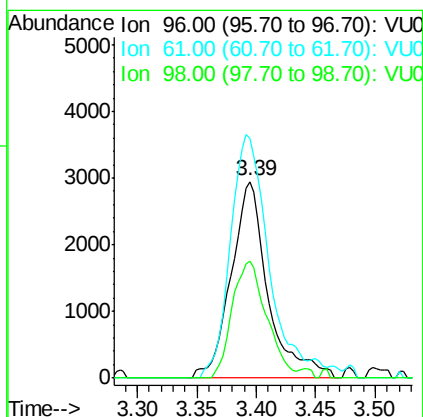
Manual Integrations
APPROVED

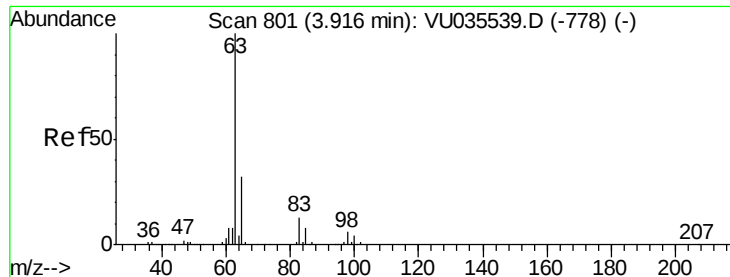
MMDadoda
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#16
trans-1,2-Dichloroethene
Concen: 0.335 ug/l
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	121.8	117.8	176.8
98	59.6	50.2	75.2





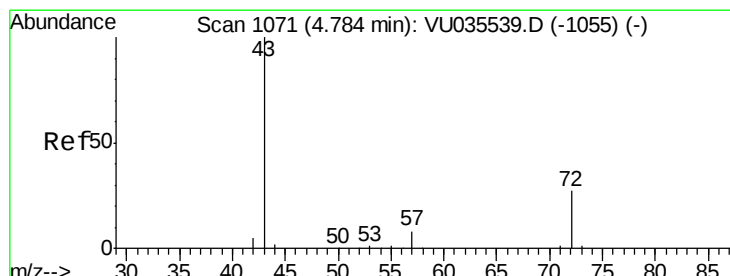
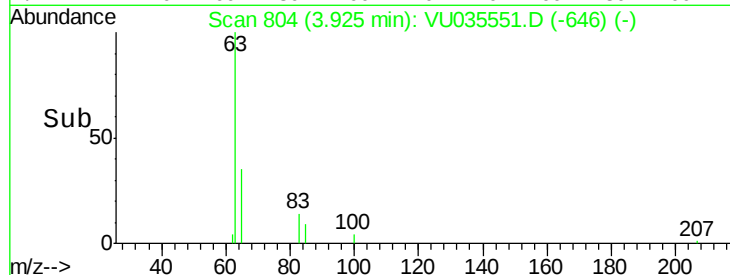
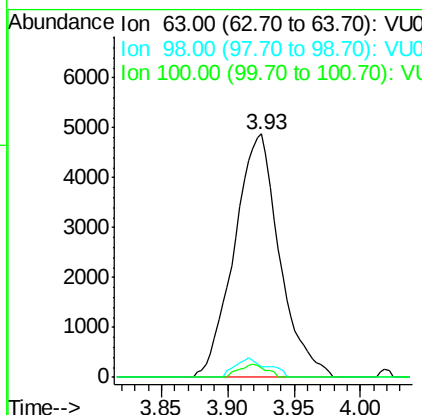
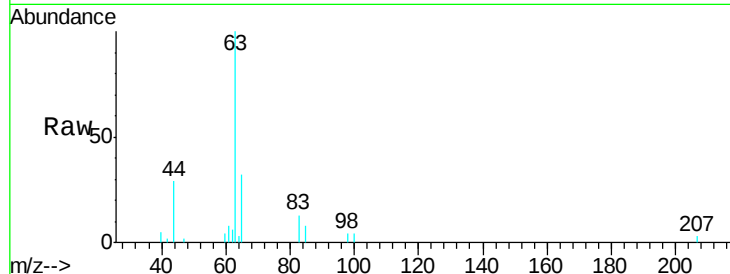
#17
 1,1-Dichloroethane
 Concen: 0.327 ug/l
 RT: 3.93 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Resp Lower	Upper
63	100		
98	4.5	3.1	9.3
100	3.8	2.1	6.3

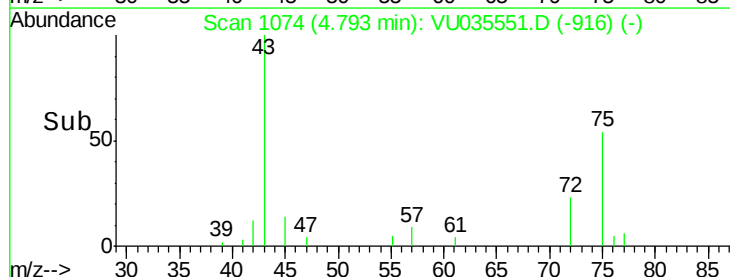
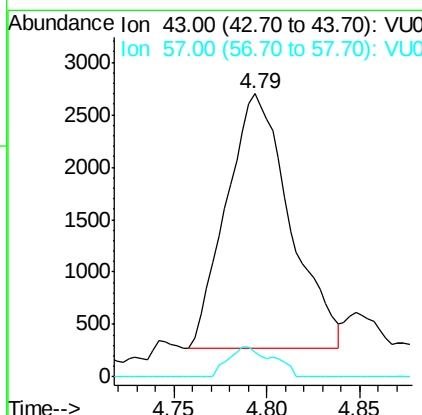
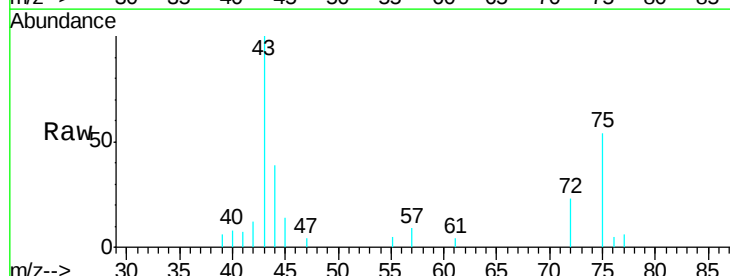
Manual Integrations
 APPROVED

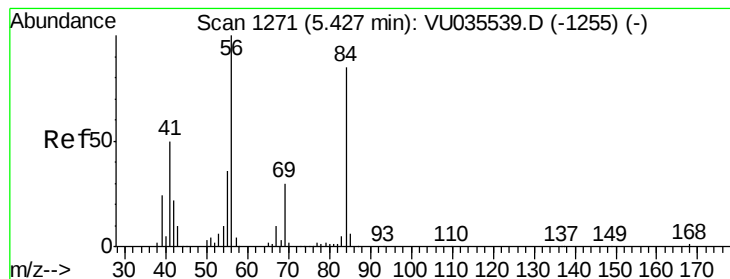
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#18
 2-Butanone
 Concen: 1.070 ug/l
 RT: 4.79 min Scan# 1074
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	9.9	0.0	17.0





#19

Cyclohexane

Concen: 0.269 ug/l m

RT: 5.43 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

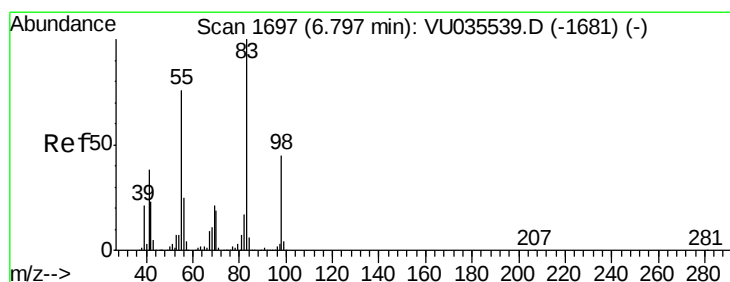
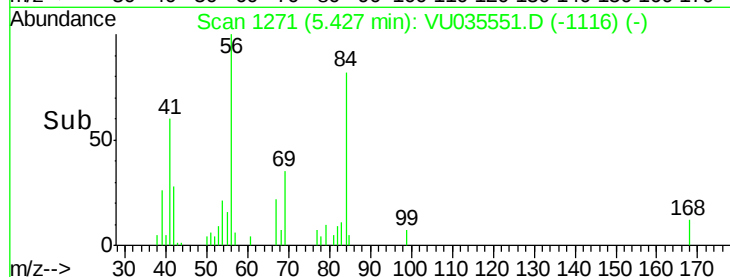
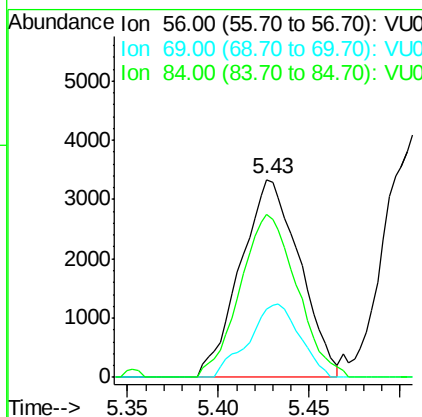
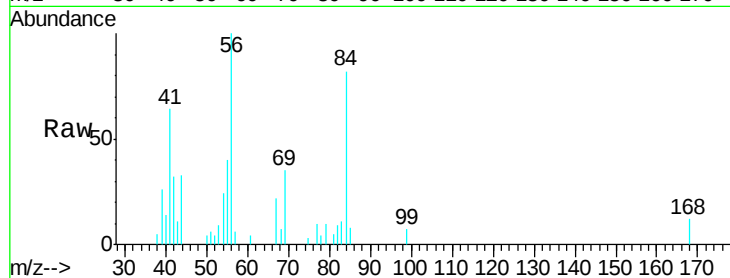
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	56	Resp:	7569
Ion	Ratio	Lower	Upper
56	100		
69	31.8	26.4	39.6
84	78.6	72.9	109.3

Manual Integrations
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#20

Methylcyclohexane

Concen: 0.263 ug/l

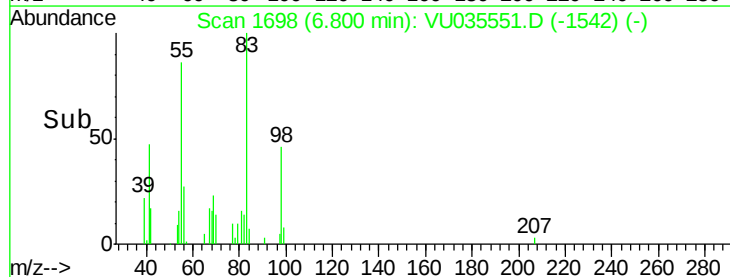
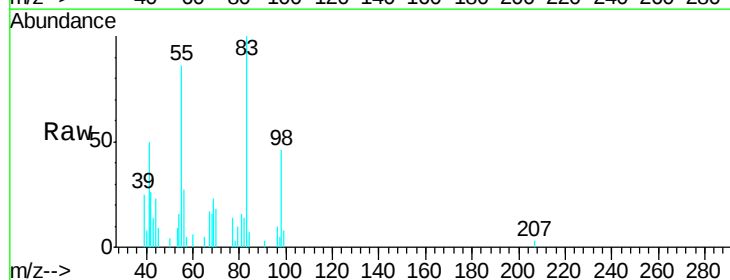
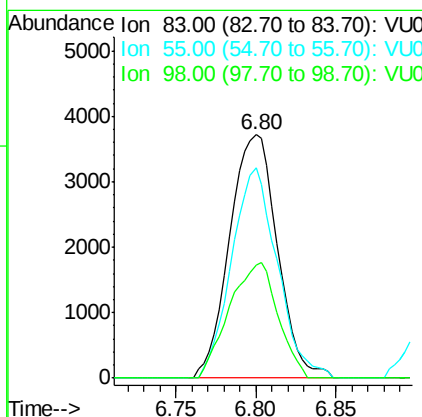
RT: 6.80 min Scan# 1698

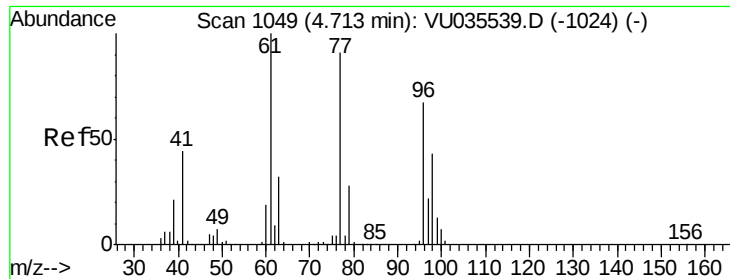
Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Tgt Ion:	83	Resp:	7580
Ion	Ratio	Lower	Upper
83	100		
55	82.9	61.2	91.8
98	48.1	36.7	55.1





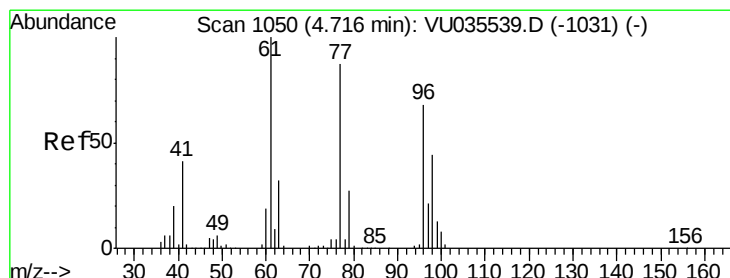
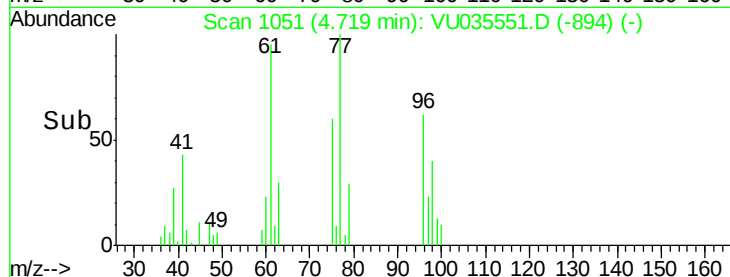
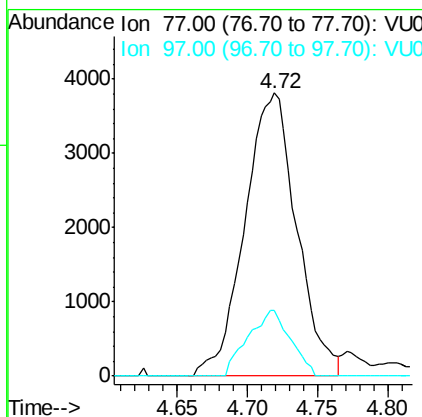
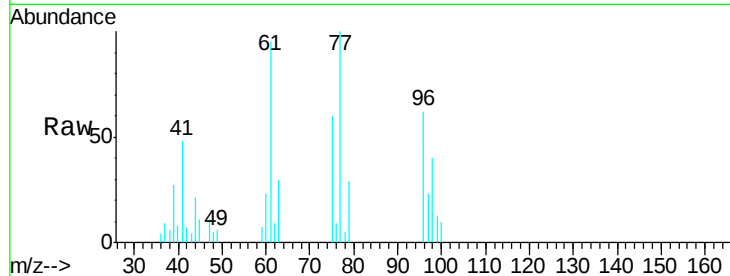
#21
 2,2-Dichloropropane
 Concen: 0.321 ug/l
 RT: 4.72 min Scan# 1051
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 77 Resp: 9813
 Ion Ratio Lower Upper
 77 100
 97 19.0 18.8 28.2

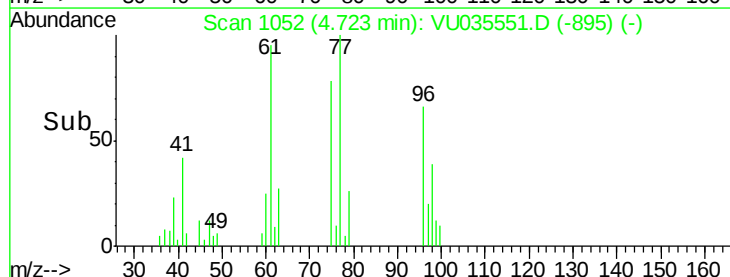
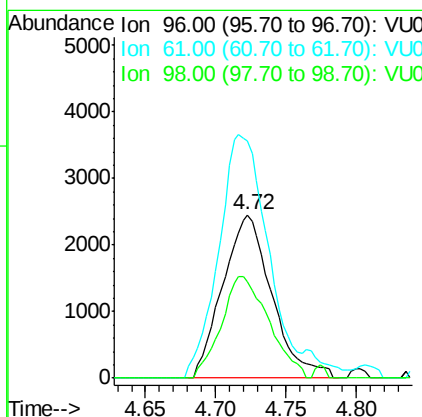
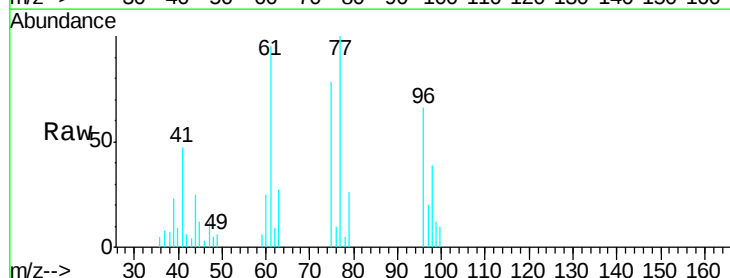
Manual Integrations
 APPROVED

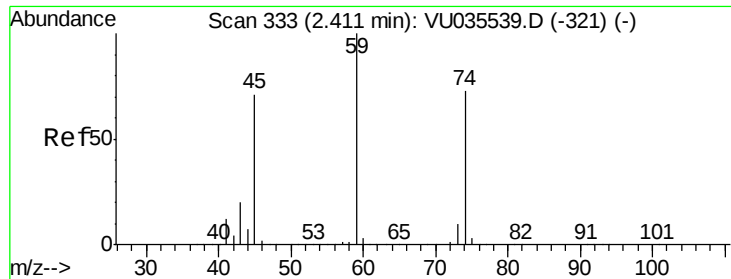
MMDadoda
 10/31/2019 4:09:15 PM



#22
 cis-1,2-Dichloroethene
 Concen: 0.294 ug/l
 RT: 4.72 min Scan# 1052
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion: 96 Resp: 5956
 Ion Ratio Lower Upper
 96 100
 61 148.0 0.0 370.5
 98 60.4 31.8 95.4





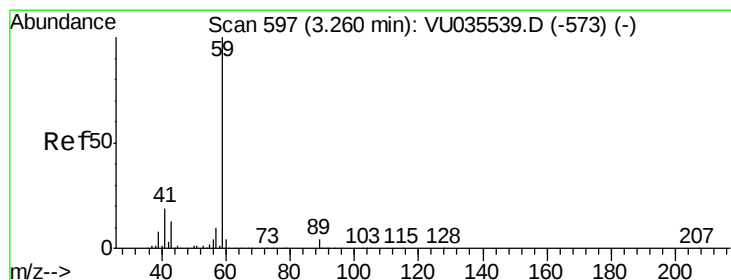
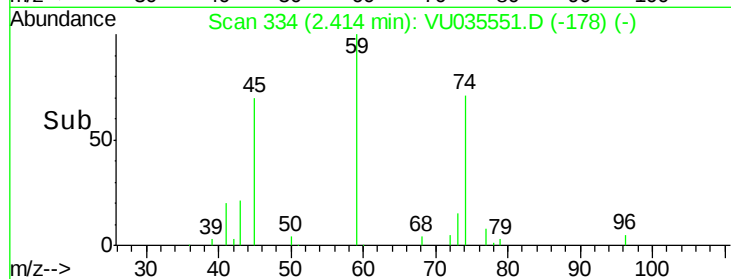
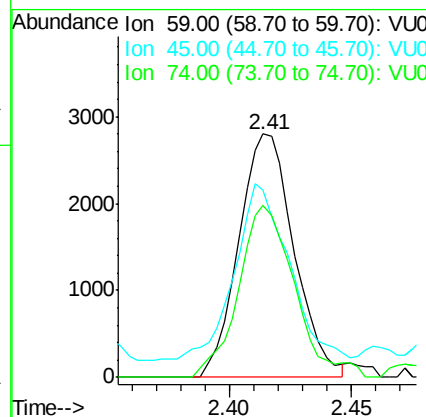
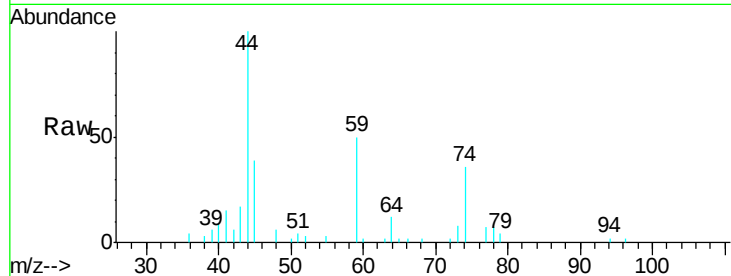
#23
Diethyl Ether
Concen: 0.309 ug/l
RT: 2.41 min Scan# 334
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
59	100		
45	70.7	56.9	85.3
74	71.6	59.5	89.3

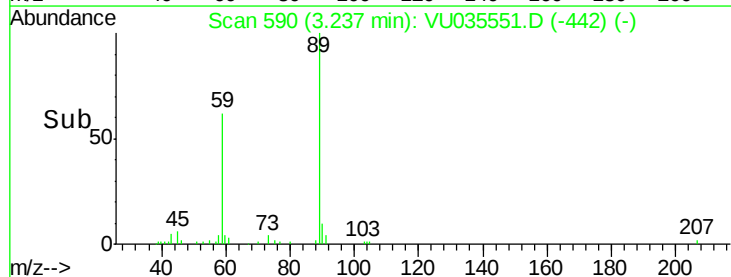
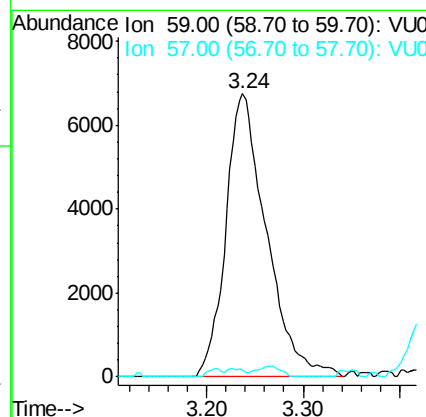
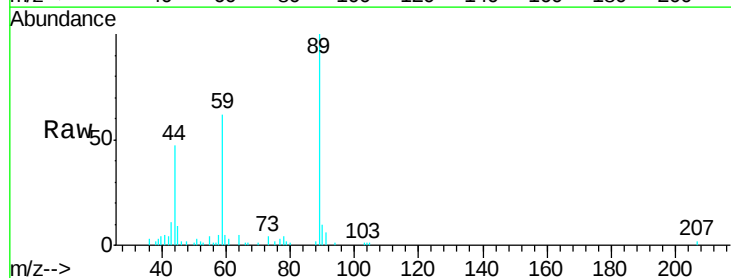
Manual Integrations
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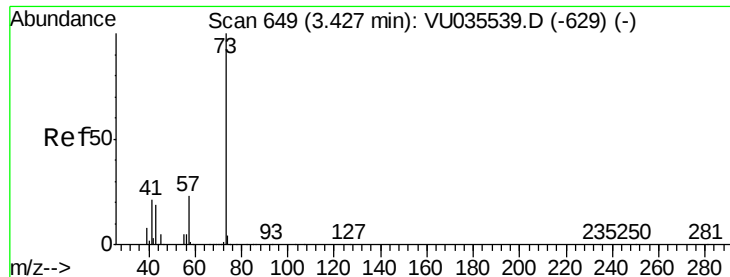
MMDadoda
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#24
tert-Butyl Alcohol
Concen: 12.462 ug/l
RT: 3.24 min Scan# 590
Delta R.T. -0.02 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
59	100		
57	1.3	7.4	11.0#





#25

Methyl tert-Butyl Ether

Concen: 0.312 ug/l

RT: 3.43 min Scan# 649

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 73 Resp: 14397

Ion Ratio Lower Upper

73 100

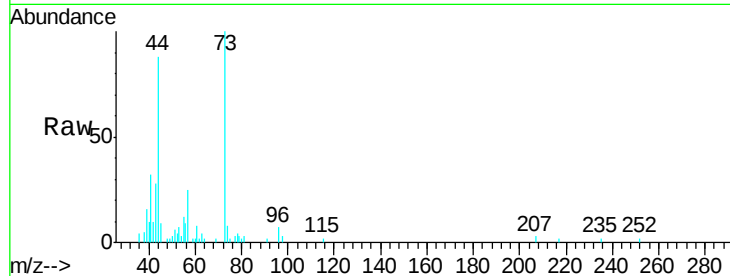
43 25.9 15.4 23.2#

Manual Integrations

APPROVED

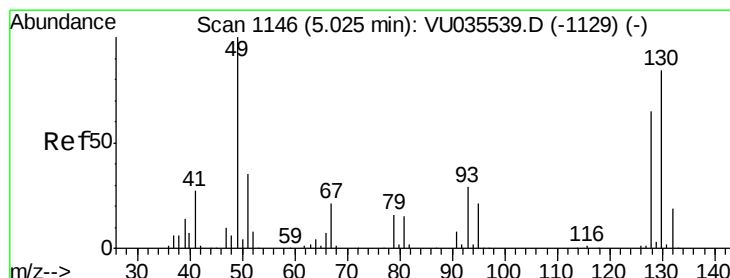
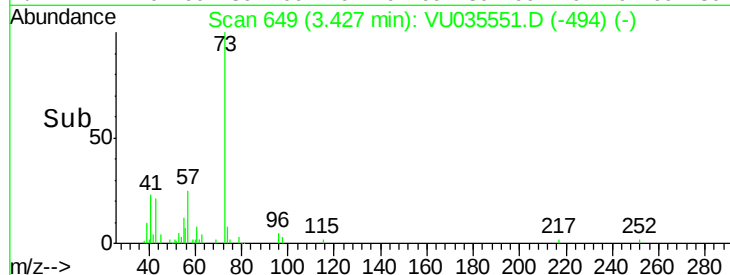
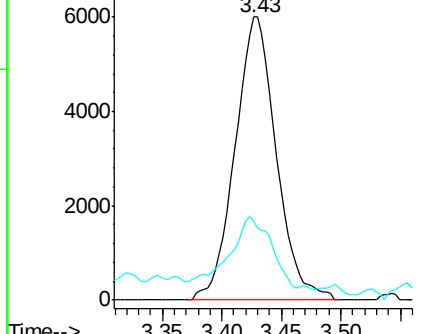
MMDadoda

10/31/2019 4:09:15 PM



Abundance Ion 73.00 (72.70 to 73.70): VU035539.D (-629) (-)

Ion 43.00 (42.70 to 43.70): VU035539.D (-629) (-)



#26

Bromochloromethane

Concen: 0.295 ug/l

RT: 5.03 min Scan# 1147

Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

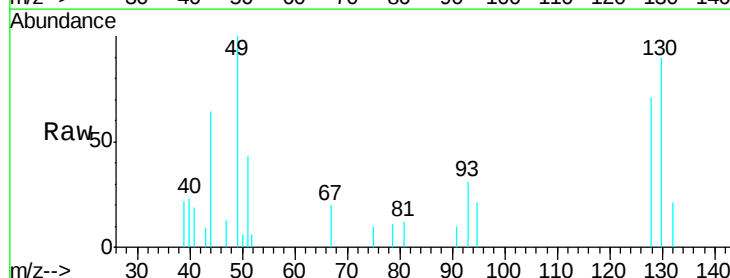
Tgt Ion: 128 Resp: 2666

Ion Ratio Lower Upper

128 100

49 169.7 0.0 309.0

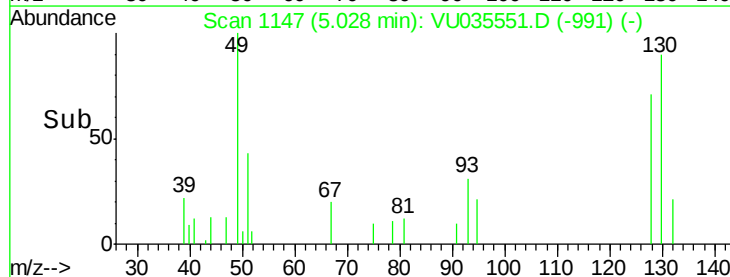
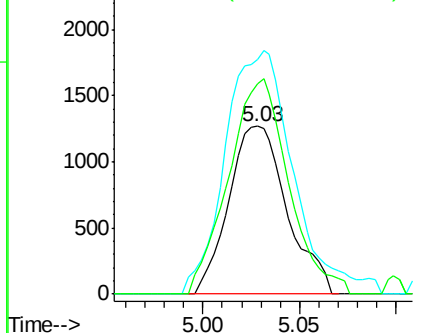
130 132.1 101.8 152.8

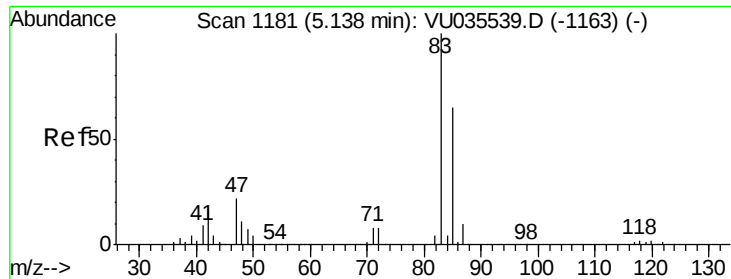


Abundance Ion 128.00 (127.70 to 128.70): VU035539.D (-1129) (-)

Ion 49.00 (48.70 to 49.70): VU035539.D (-1129) (-)

Ion 130.00 (129.70 to 130.70): VU035539.D (-1129) (-)





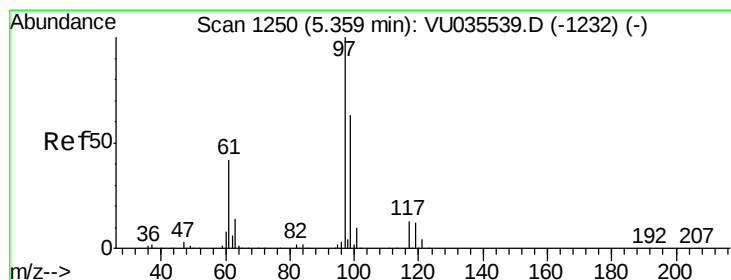
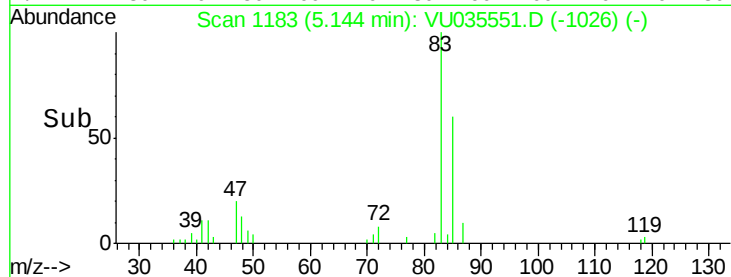
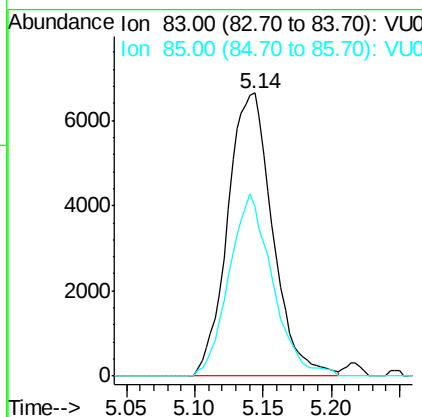
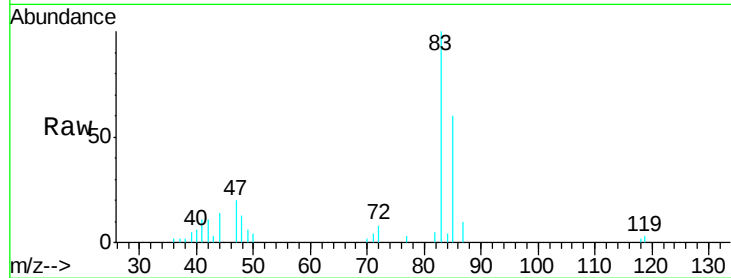
#27
Chloroform
Concen: 0.401 ug/l
RT: 5.14 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 83 Resp: 15189
Ion Ratio Lower Upper
83 100
85 60.0 0.0 130.6

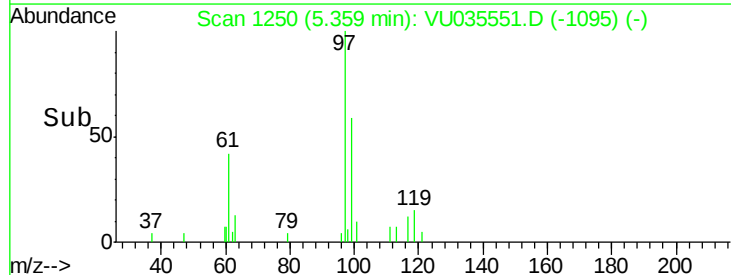
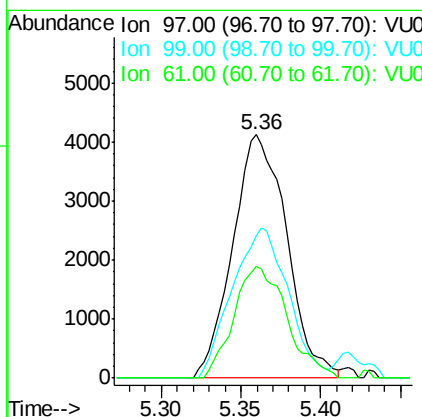
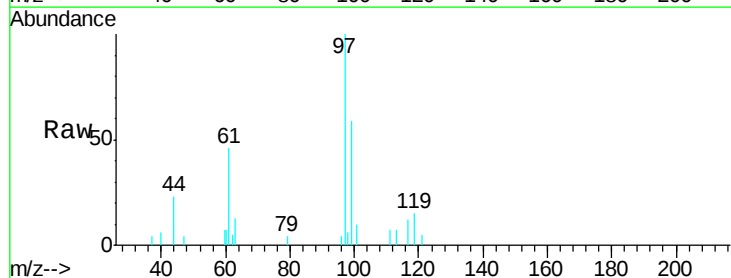
Manual Integrations
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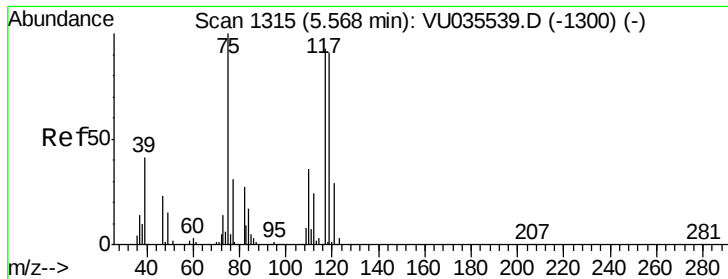
MMDadoda
10/31/2019 4:09:15 PM



#28
1,1,1-Trichloroethane
Concen: 0.318 ug/l
RT: 5.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion: 97 Resp: 9541
Ion Ratio Lower Upper
97 100
99 63.9 32.6 97.7
61 45.0 21.8 65.4





#29

1,1-Dichloropropene

Concen: 0.274 ug/l

RT: 5.57 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

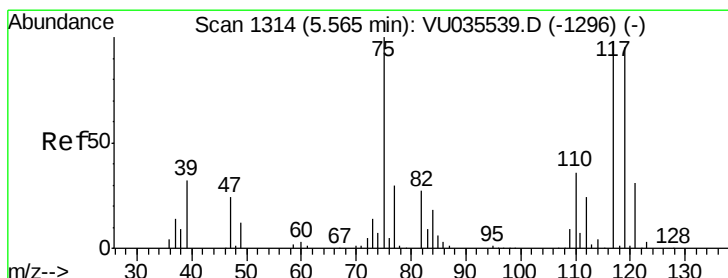
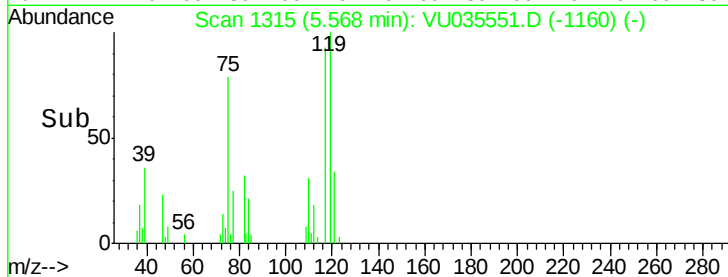
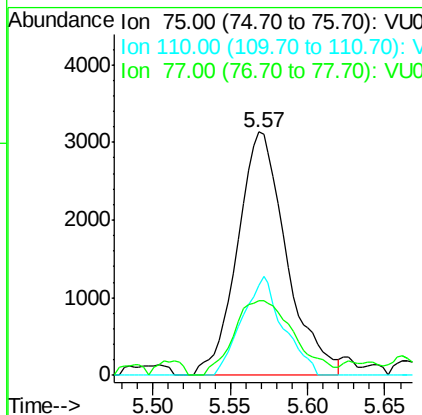
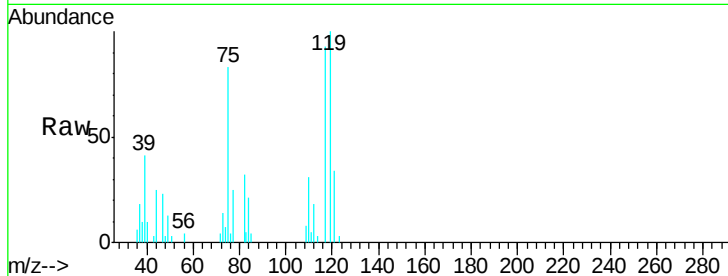
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	75	Resp:	6893
Ion Ratio	Lower	Upper	
75	100		
110	34.1	18.3	54.8
77	37.7	24.6	37.0#

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#30

Carbon Tetrachloride

Concen: 0.285 ug/l

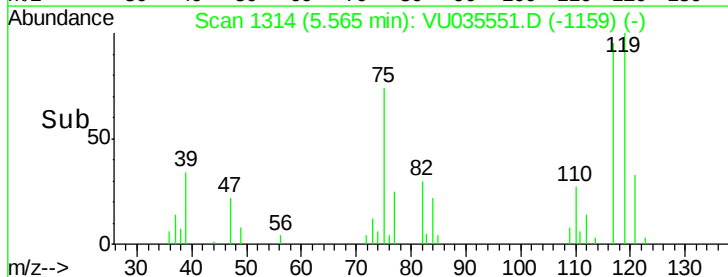
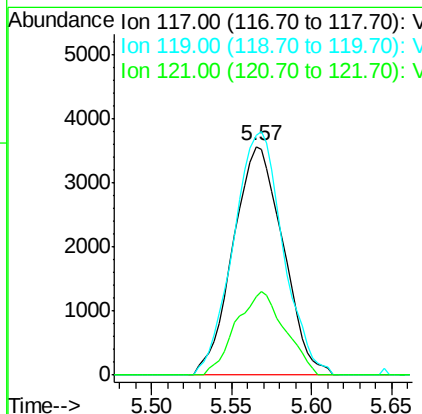
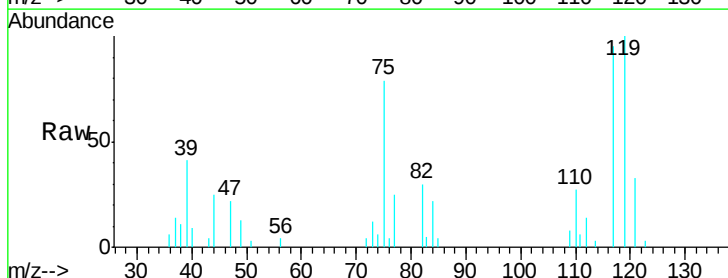
RT: 5.57 min Scan# 1314

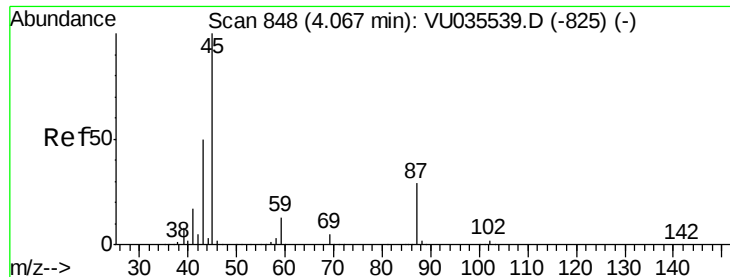
Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Tgt Ion:	117	Resp:	7616
Ion Ratio	Lower	Upper	
117	100		
119	105.1	77.3	115.9
121	34.5	25.2	37.8





#31

Isopropyl Ether

Concen: 0.287 ug/l

RT: 4.06 min Scan# 847

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 45 Resp: 14227

Ion Ratio Lower Upper

45 100

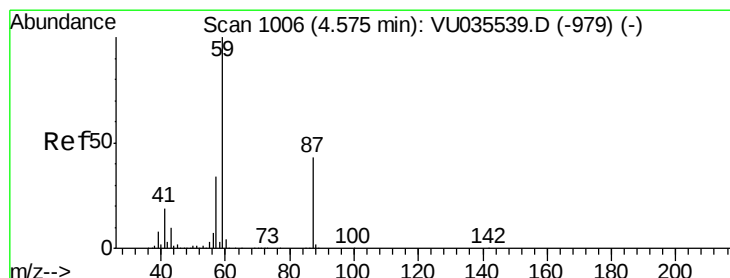
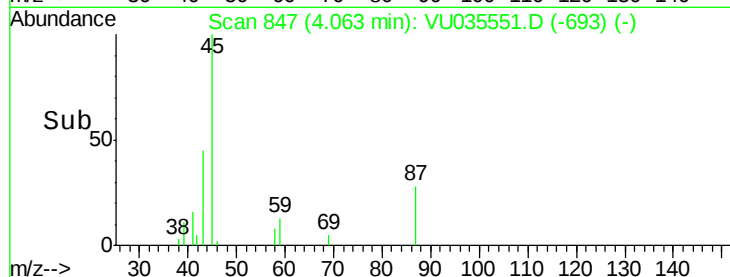
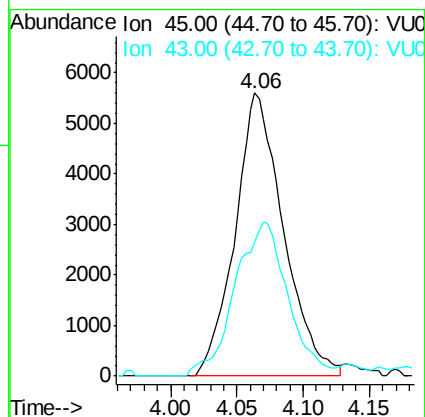
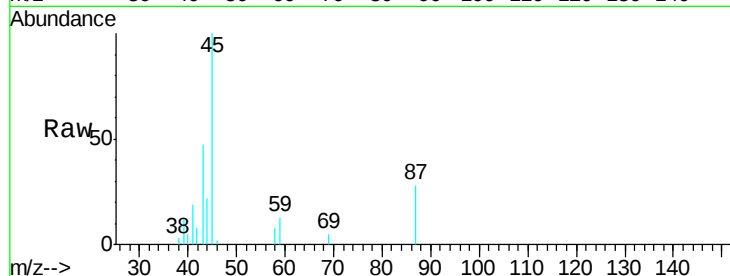
43 59.3 25.3 75.8

Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 0.278 ug/l

RT: 4.57 min Scan# 1004

Delta R.T. -0.01 min

Lab File: VU035551.D

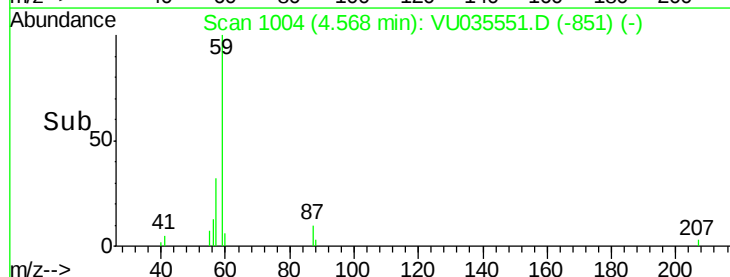
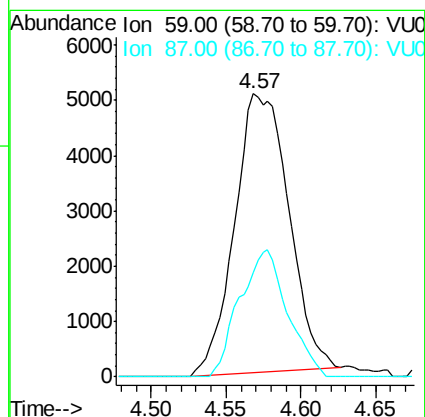
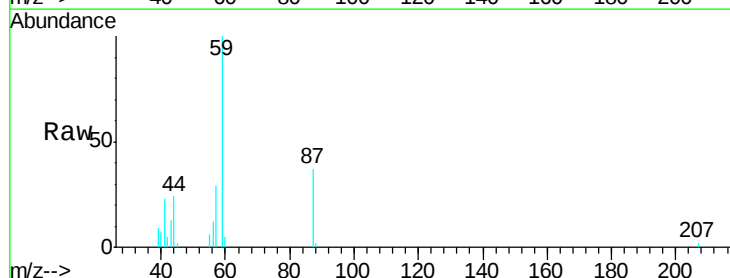
Acq: 30 Oct 2019 10:33

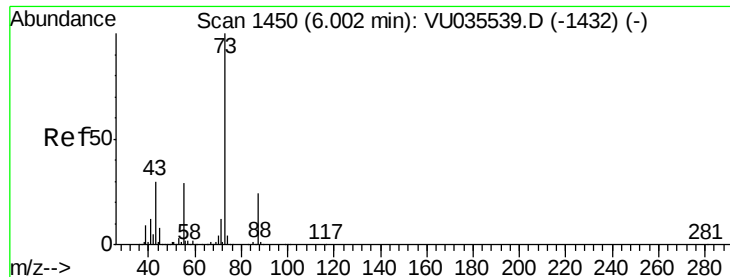
Tgt Ion: 59 Resp: 12749

Ion Ratio Lower Upper

59 100

87 40.2 33.9 50.9





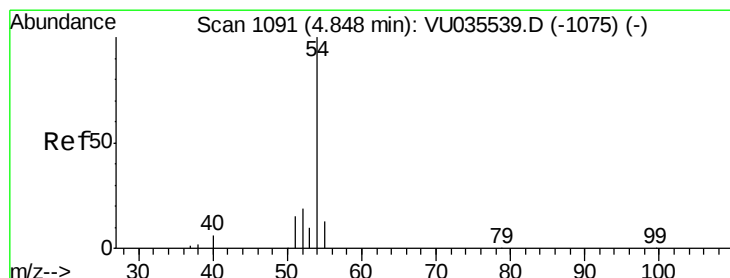
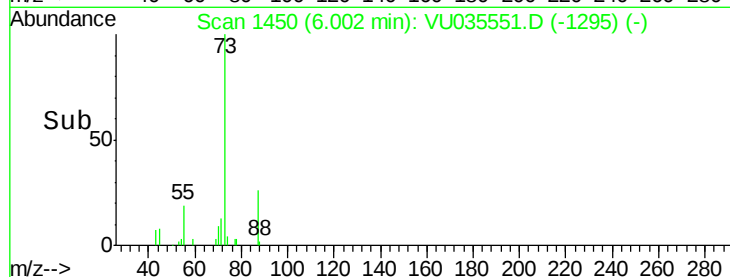
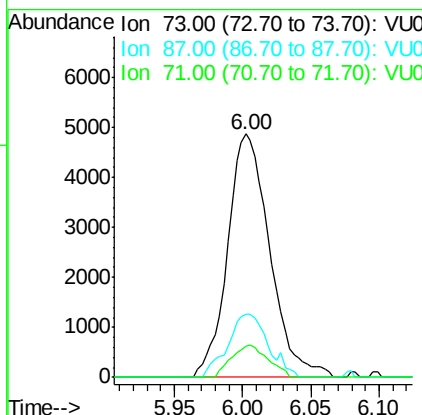
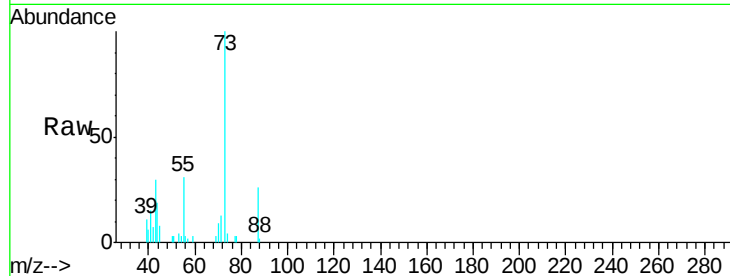
#33
Tert-Amyl methyl ether
Concen: 0.265 ug/l
RT: 6.00 min Scan# 1450
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
73	100		
87	24.9	19.5	29.3
71	11.4	9.4	14.2

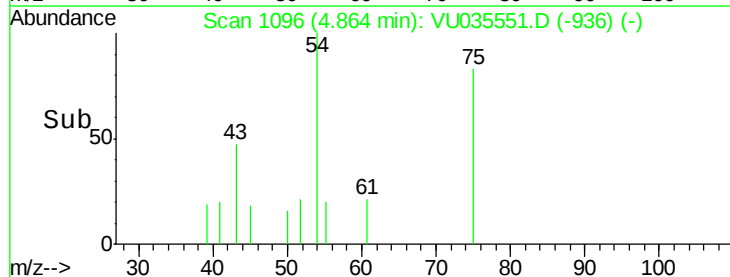
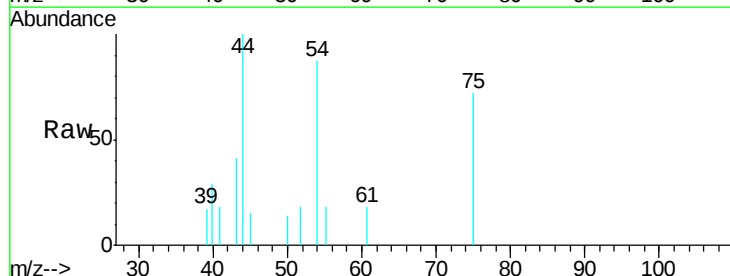
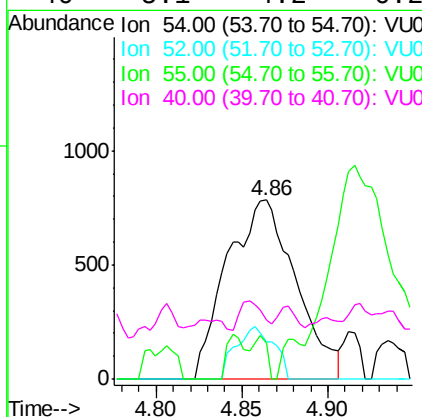
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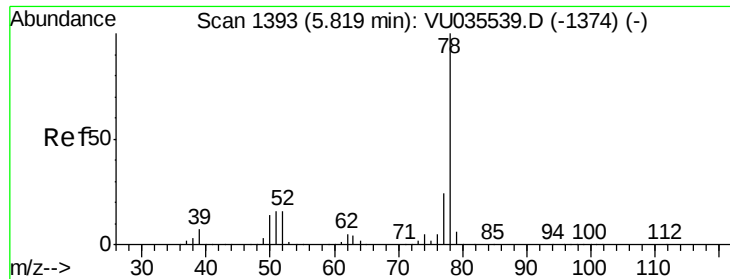
MMDadoda
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#34
Propionitrile
Concen: 1.385 ug/l
RT: 4.86 min Scan# 1096
Delta R.T. 0.02 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
54	100		
52	15.8	14.6	21.8
55	4.4	11.7	17.5
40	5.1	4.2	6.2





#35

Benzene

Concen: 0.285 ug/l

RT: 5.82 min Scan# 1394

Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 78 Resp: 21916

Ion Ratio Lower Upper

78 100

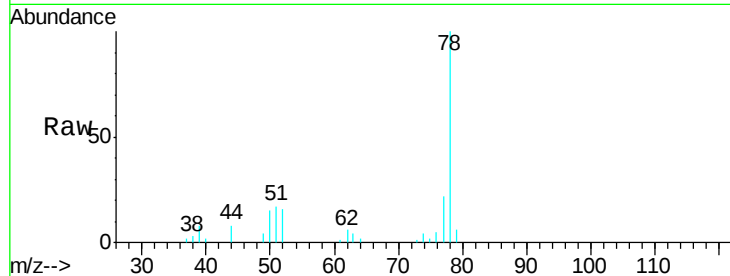
77 20.6 19.0 28.4

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU035539.D (-1374) (-)

Ion 77.00 (76.70 to 77.70): VU035539.D (-1374) (-)

5.82

10000

8000

6000

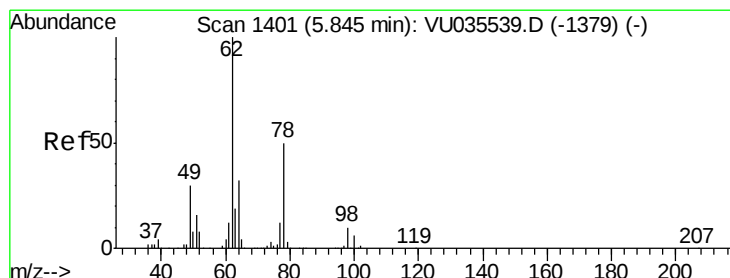
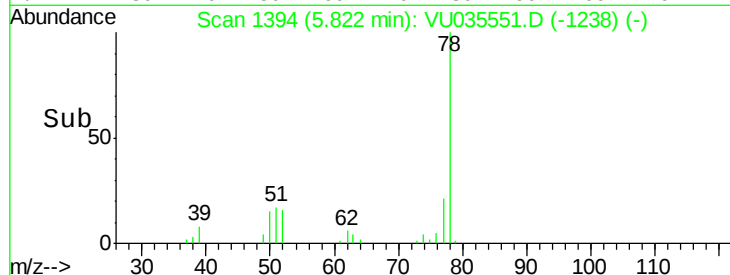
4000

2000

0

5.75 5.80 5.85 5.90

Time-->



#36

1,2-Dichloroethane

Concen: 0.305 ug/l

RT: 5.84 min Scan# 1400

Delta R.T. -0.00 min

Lab File: VU035551.D

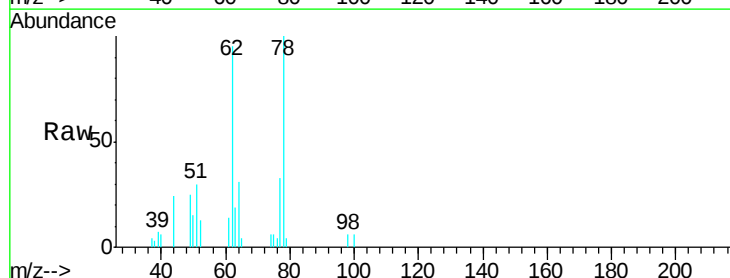
Acq: 30 Oct 2019 10:33

Tgt Ion: 62 Resp: 6720

Ion Ratio Lower Upper

62 100

98 3.6 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU035539.D (-1379) (-)

Ion 98.00 (97.70 to 98.70): VU035539.D (-1379) (-)

5.84

3000

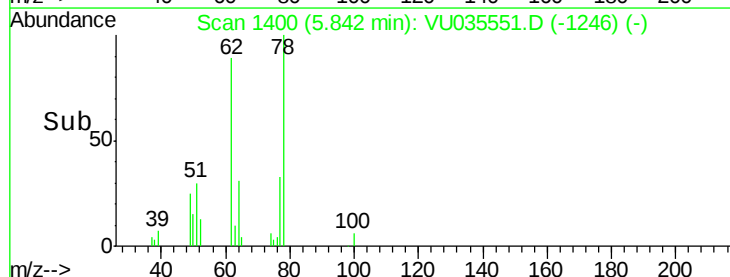
2000

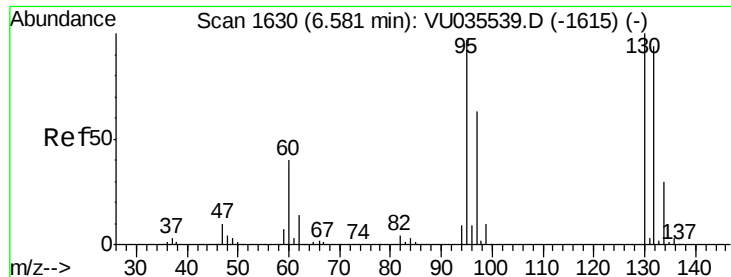
1000

0

5.75 5.80 5.85 5.90

Time-->





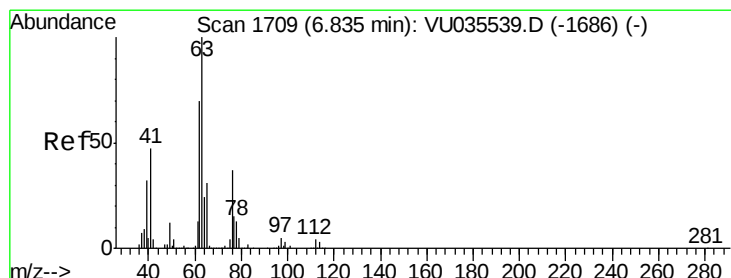
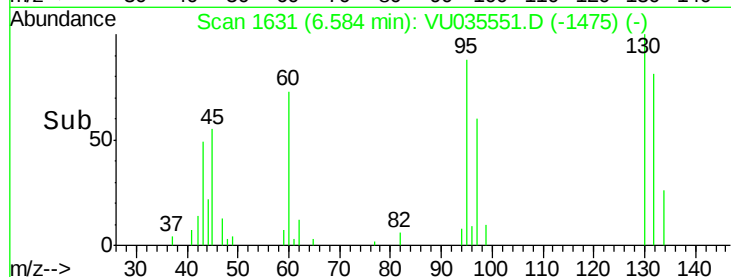
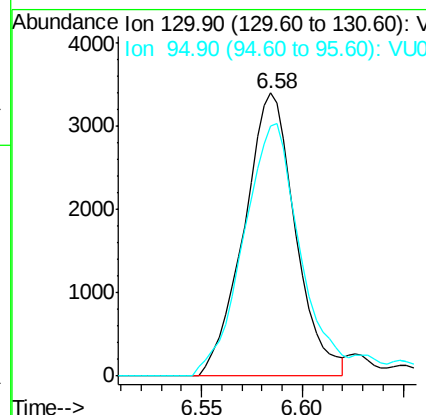
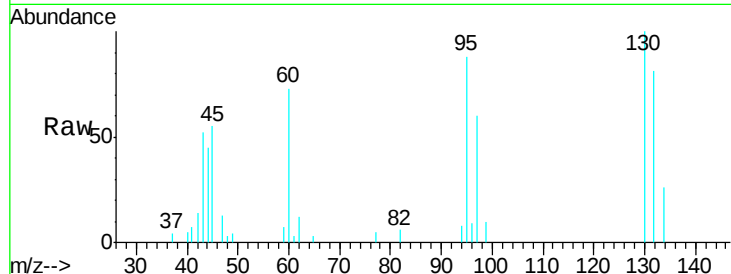
#37
 Trichloroethene
 Concen: 0.283 ug/l
 RT: 6.58 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 130 Resp: 6045
 Ion Ratio Lower Upper
 130 100
 95 88.4 77.5 116.3

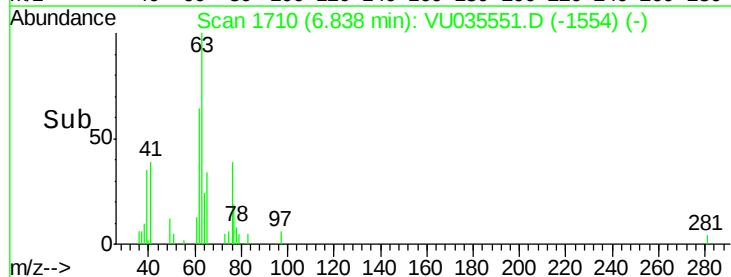
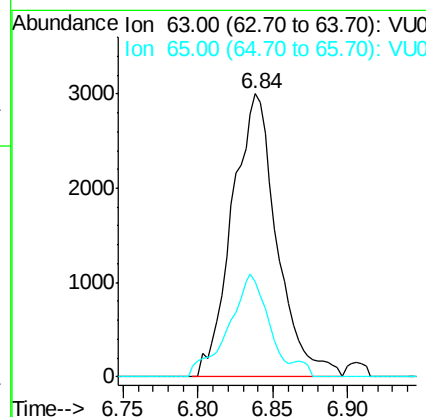
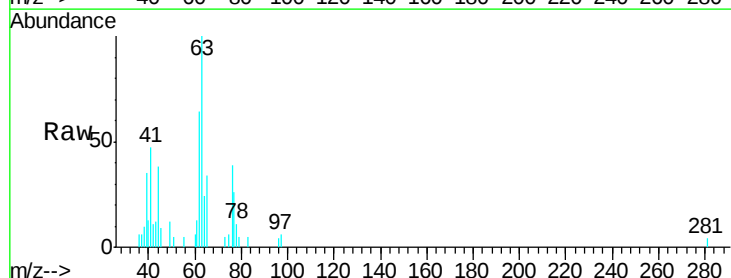
Manual Integrations
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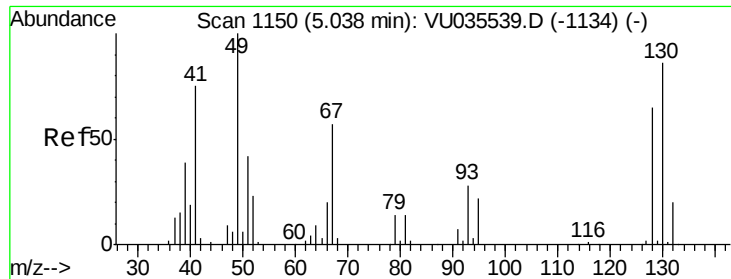
MMDadoda
 10/31/2019 4:09:15 PM



#38
 1,2-Dichloropropane
 Concen: 0.298 ug/l
 RT: 6.84 min Scan# 1710
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion: 63 Resp: 6266
 Ion Ratio Lower Upper
 63 100
 65 33.6 25.0 37.6





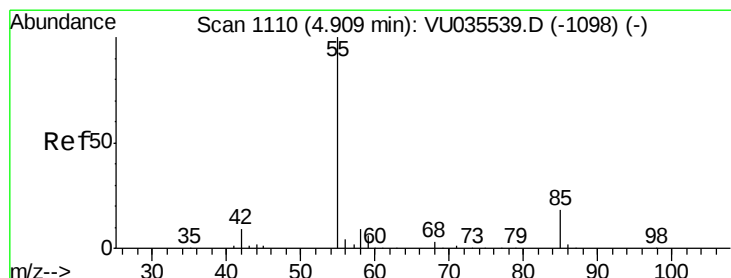
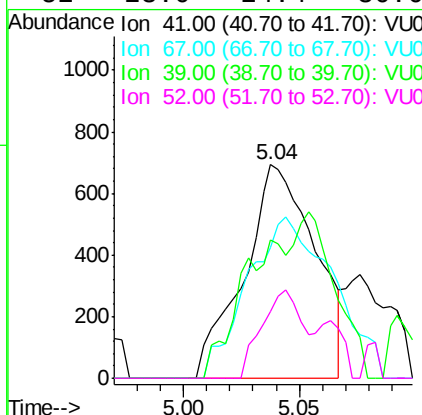
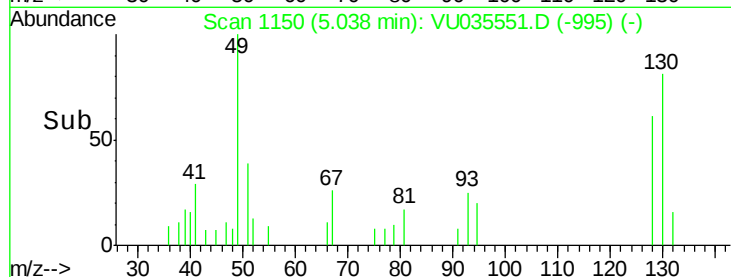
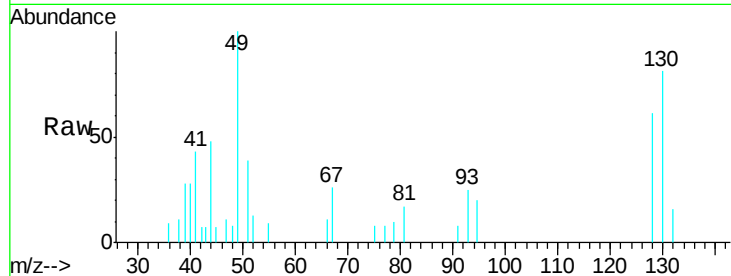
#39
Methacrylonitrile
Concen: 0.250 ug/l
RT: 5.04 min Scan# 1150
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
41	100		
67	90.1	61.5	92.3
39	42.7	41.3	61.9
52	23.0	24.4	36.6#

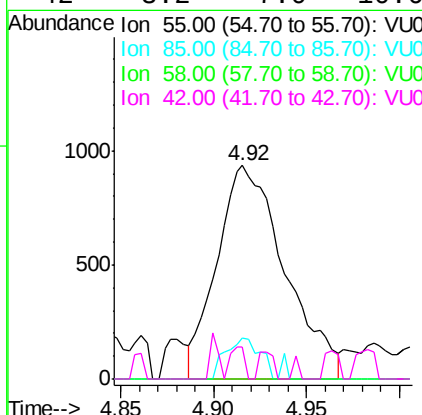
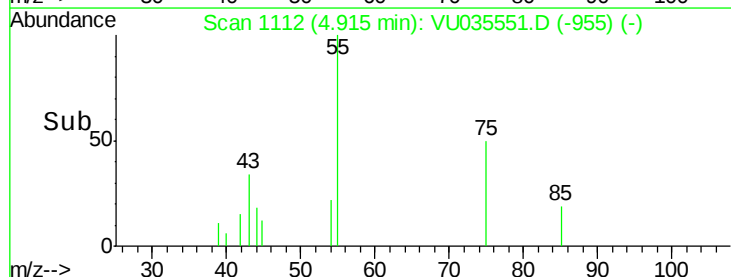
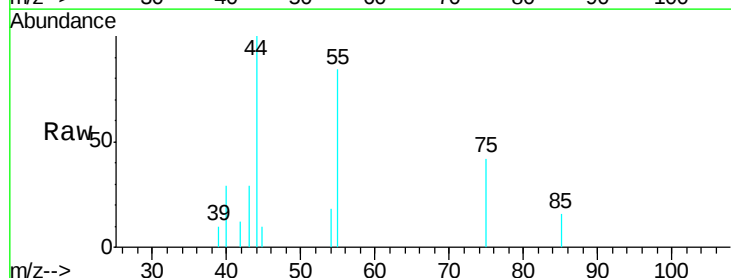
Manual Integrations
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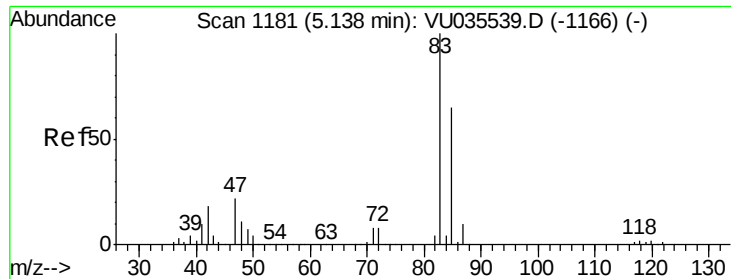
MMDadoda
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#40
Methyl acrylate
Concen: 0.265 ug/l
RT: 4.92 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.5	20.3#
58	0.0	6.6	10.0#
42	3.2	7.0	10.6#





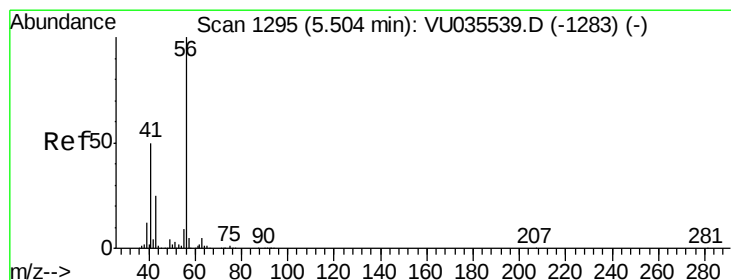
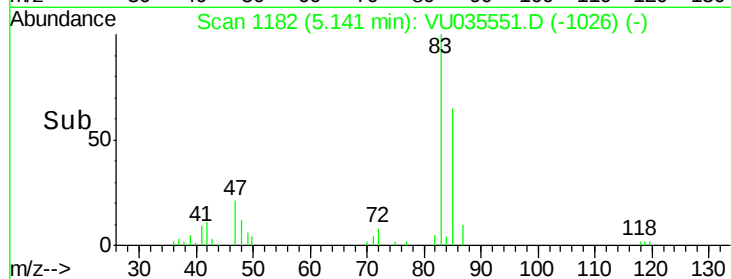
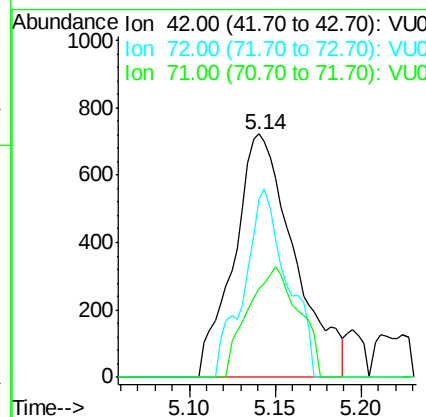
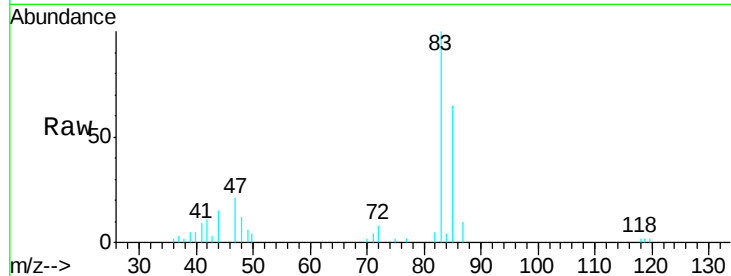
#41
Tetrahydrofuran
Concen: 0.581 ug/l
RT: 5.14 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
42	100		
72	55.0	89.9	134.9#
71	37.9	3.7	5.5#

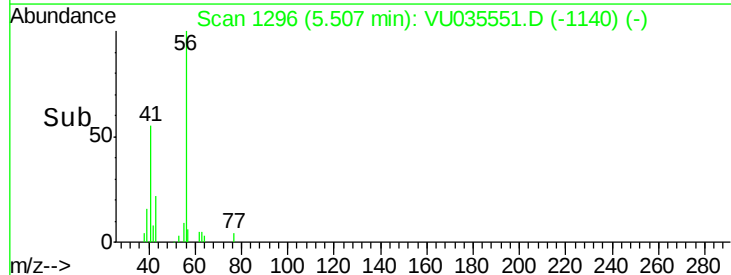
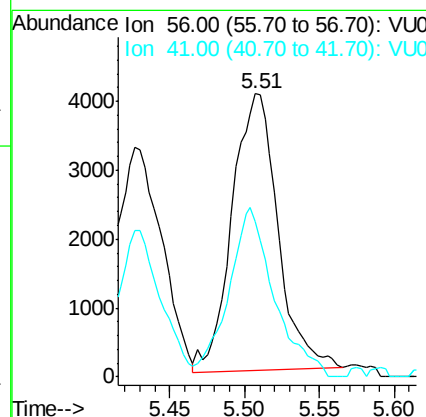
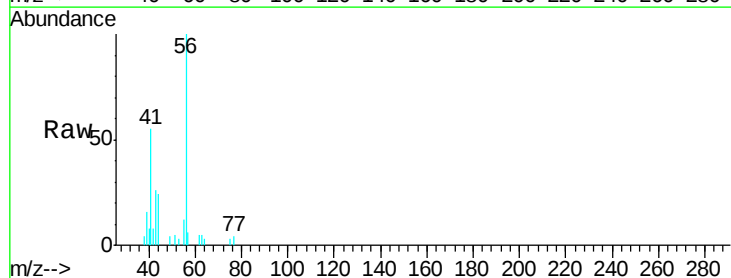
Manual Integrations
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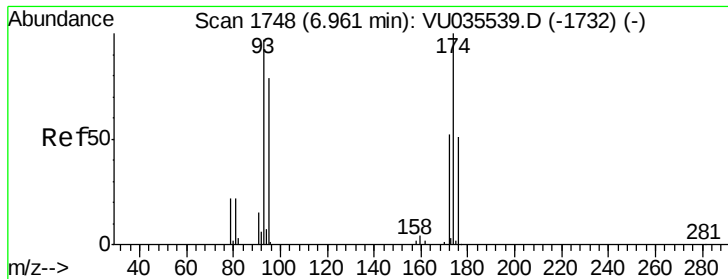
MMDadoda
10/31/2019 4:09:15 PM



#42
1-Chlorobutane
Concen: 0.246 ug/l
RT: 5.51 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
56	100		
41	61.1	25.5	76.5





#43

Dibromomethane

Concen: 0.315 ug/l

RT: 6.96 min Scan# 1748

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

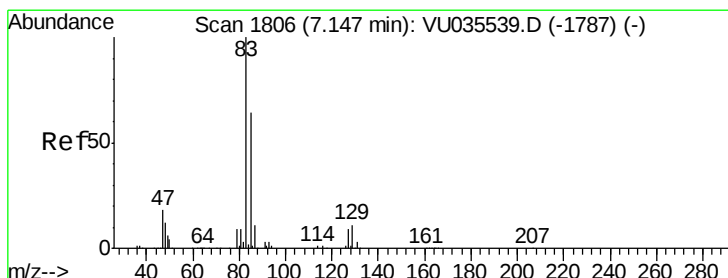
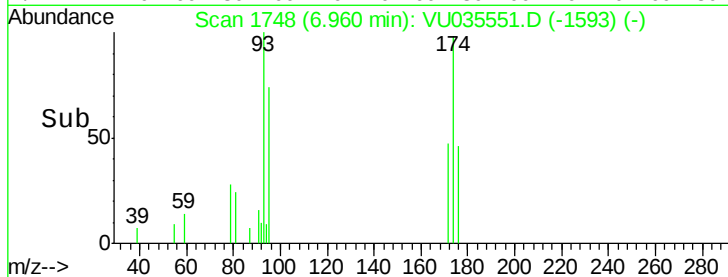
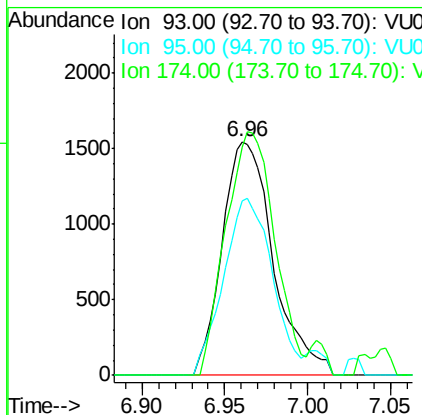
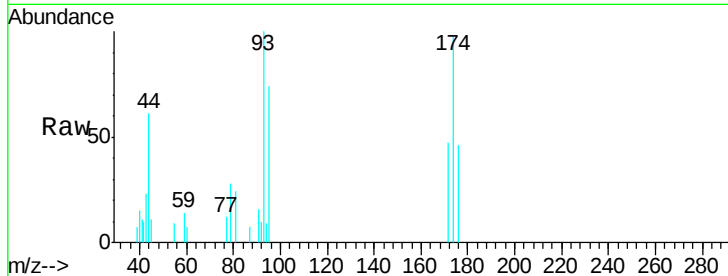
ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	93	Resp:	3315
Ion Ratio	Lower	Upper	
93	100		
95	72.0	65.1	97.7
174	100.5	84.2	126.4

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#44

Bromodichloromethane

Concen: 0.303 ug/l

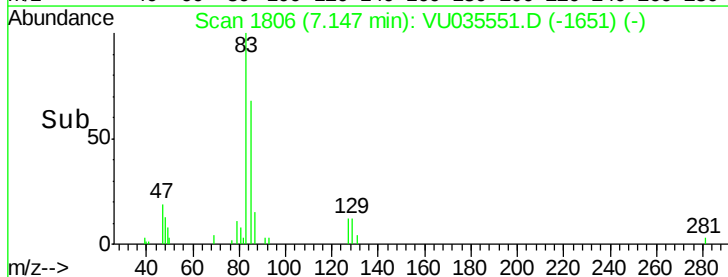
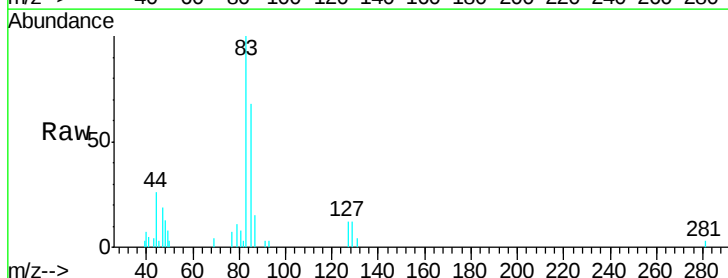
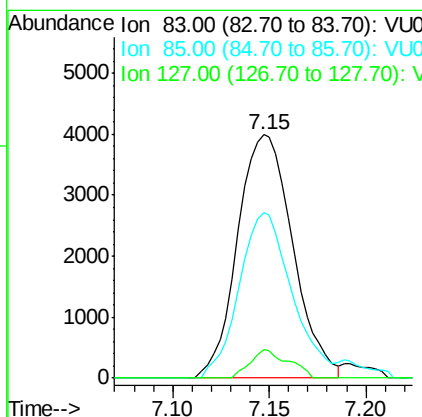
RT: 7.15 min Scan# 1806

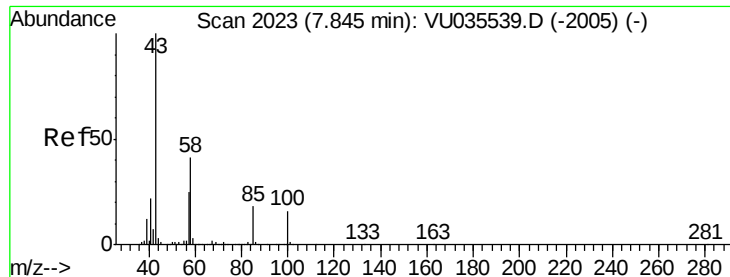
Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Tgt Ion:	83	Resp:	7934
Ion Ratio	Lower	Upper	
83	100		
85	67.7	51.6	77.4
127	11.9	7.0	10.4#





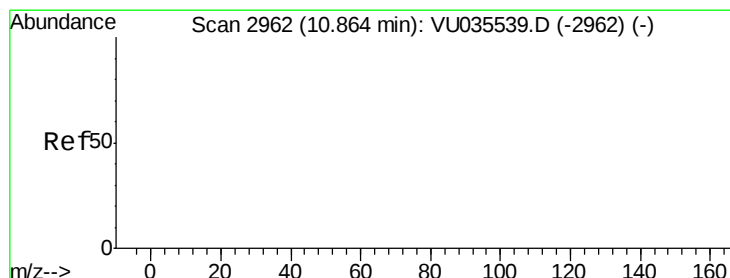
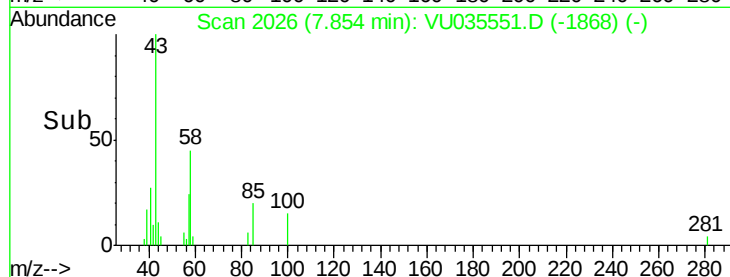
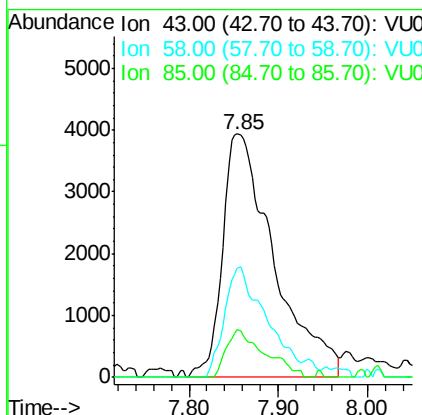
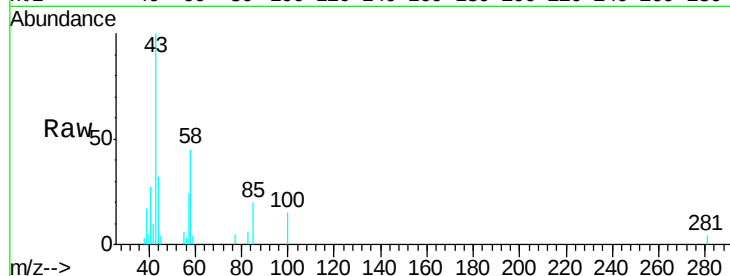
#45
 4-Methyl-2-Pentanone
 Concen: 1.404 ug/l
 RT: 7.85 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	20.6	61.8
85	14.6	14.5	21.7

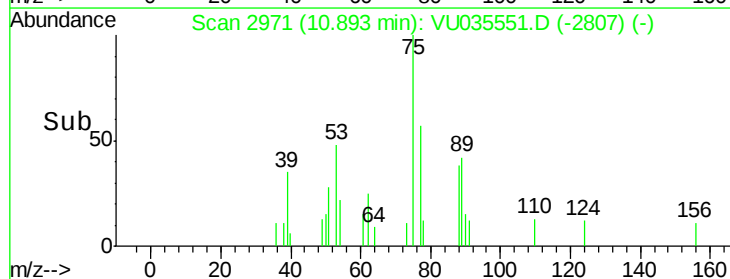
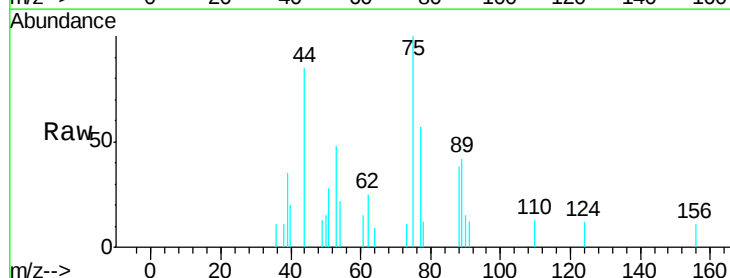
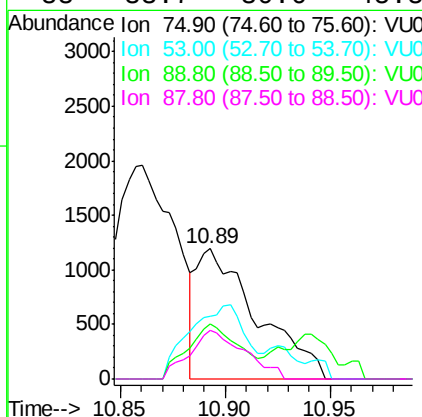
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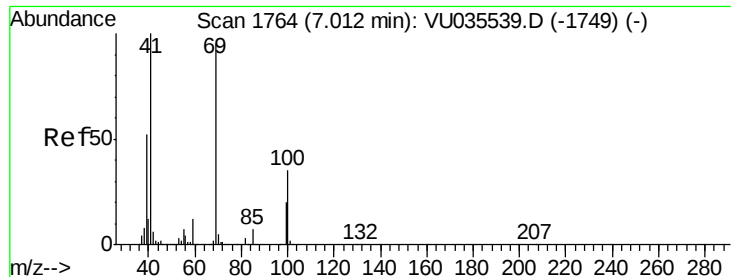
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#46
 t-1,4-Dichloro-2-butene
 Concen: 0.589 ug/l m
 RT: 10.89 min Scan# 2971
 Delta R.T. 0.03 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
75	100		
53	53.5	54.1	81.1#
89	35.6	38.2	57.4#
88	33.7	30.6	45.8





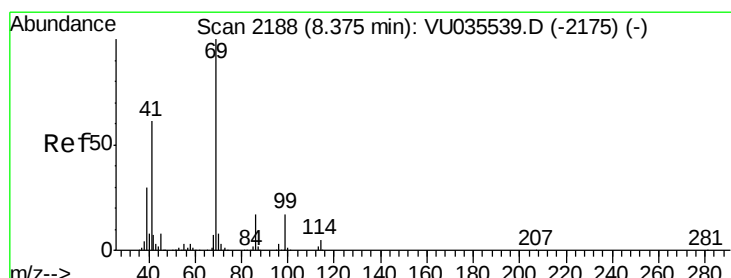
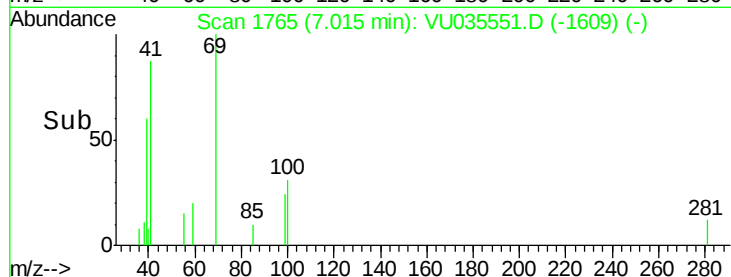
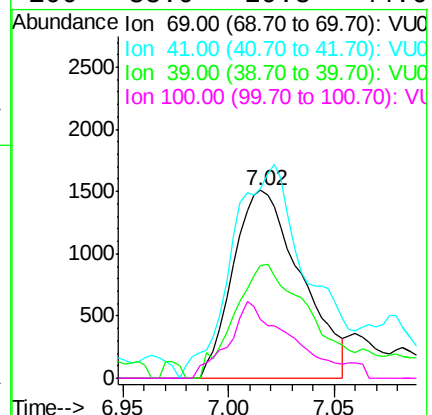
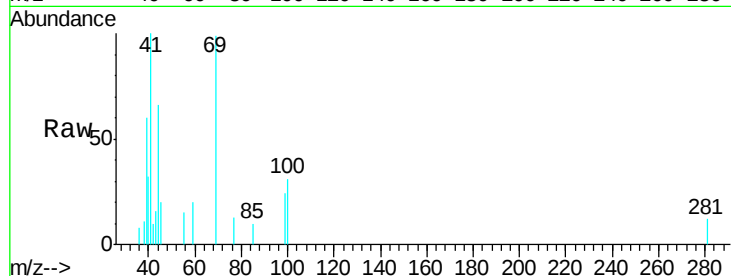
#47
Methyl methacrylate
Concen: 0.388 ug/l
RT: 7.02 min Scan# 1765
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
69	100		
41	127.6	0.0	216.8
39	71.8	45.1	67.7#
100	38.9	29.8	44.6

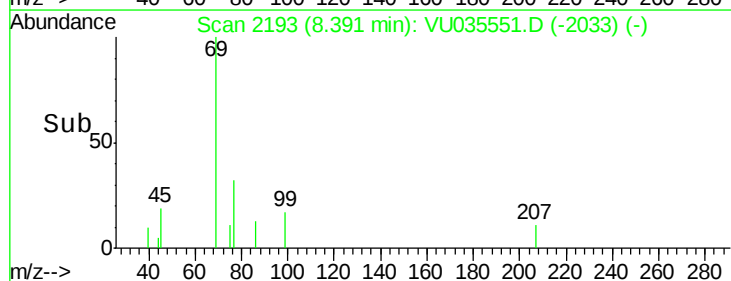
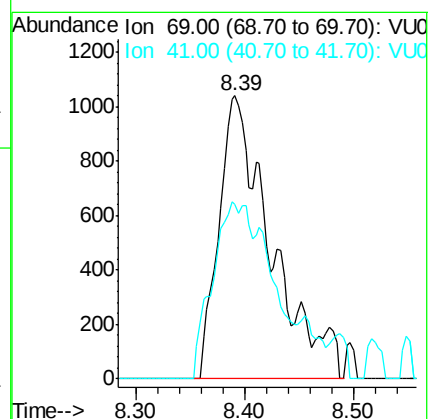
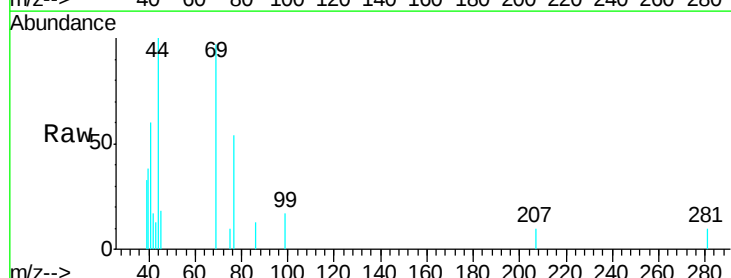
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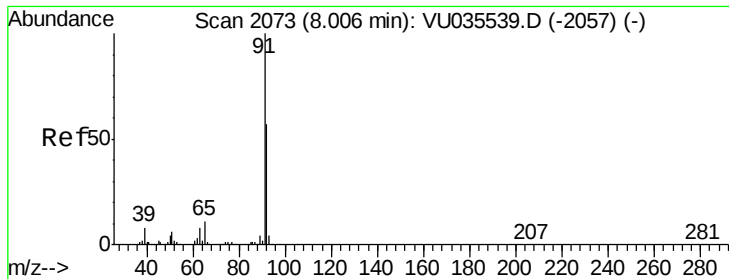
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#48
Ethyl methacrylate
Concen: 0.227 ug/l m
RT: 8.39 min Scan# 2193
Delta R.T. 0.02 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
69	100		
41	45.1	30.4	91.2





#49

Toluene

Concen: 0.234 ug/l

RT: 8.01 min Scan# 2073

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 92 Resp: 10316

Ion Ratio Lower Upper

92 100

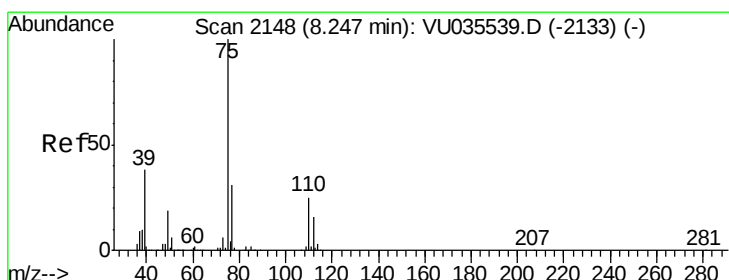
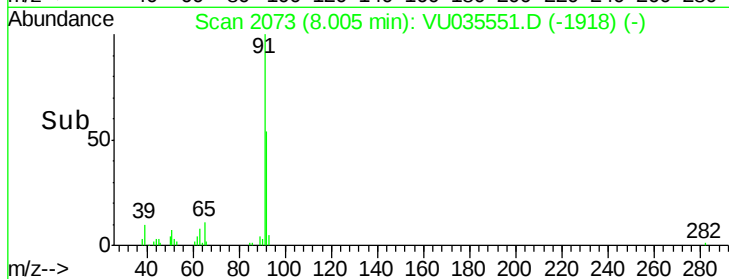
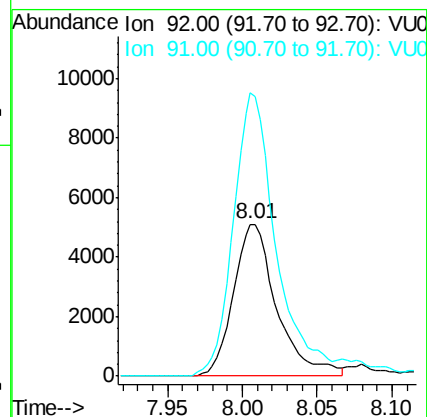
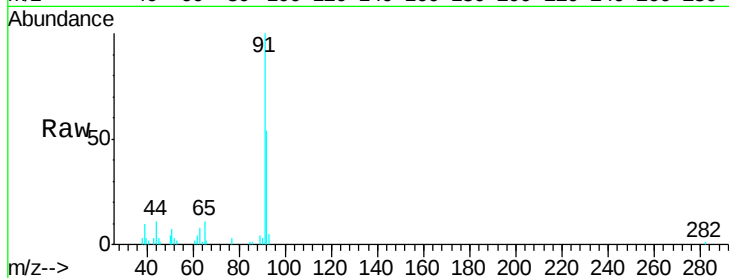
91 182.3 141.4 212.0

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#50

t-1,3-Dichloropropene

Concen: 0.257 ug/l m

RT: 8.25 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VU035551.D

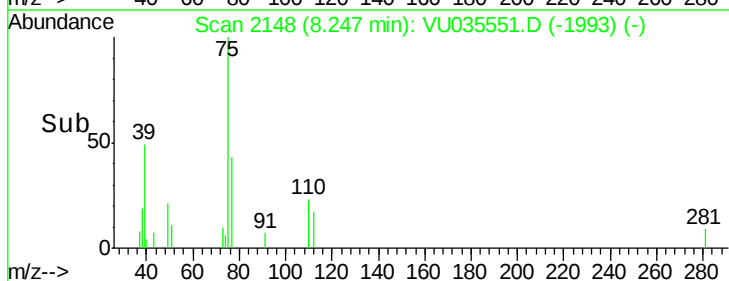
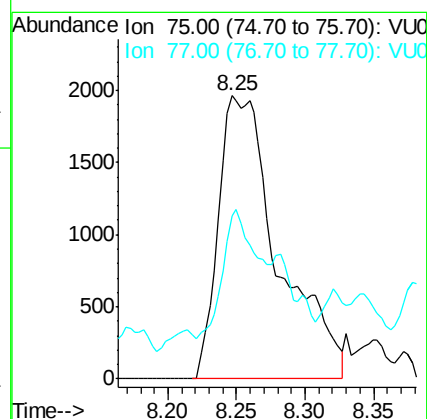
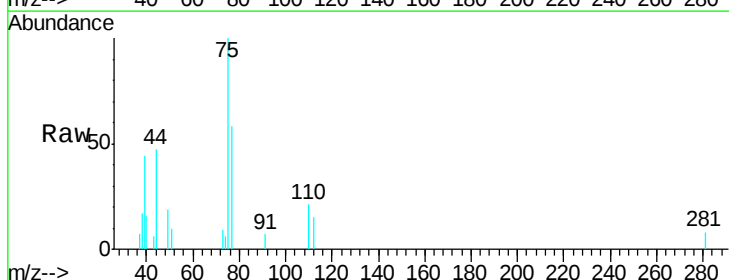
Acq: 30 Oct 2019 10:33

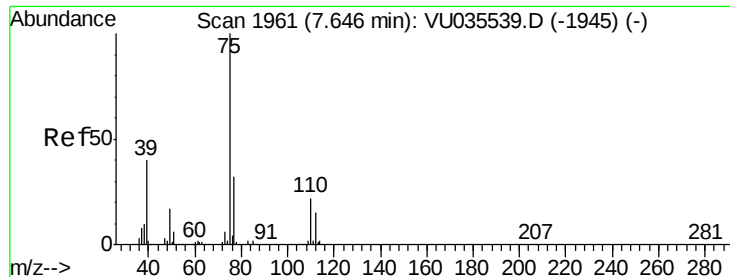
Tgt Ion: 75 Resp: 5956

Ion Ratio Lower Upper

75 100

77 57.5 25.2 37.8#





#51

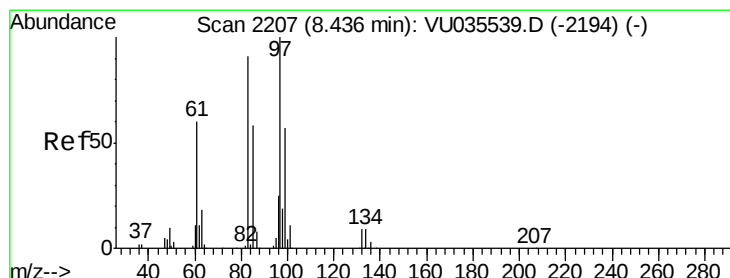
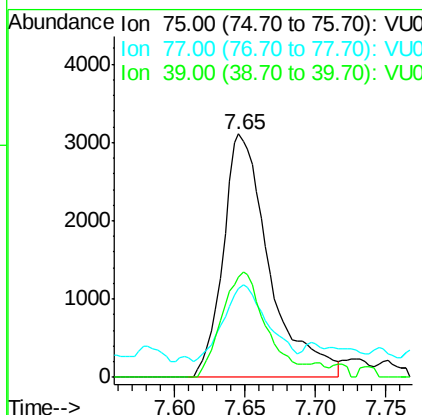
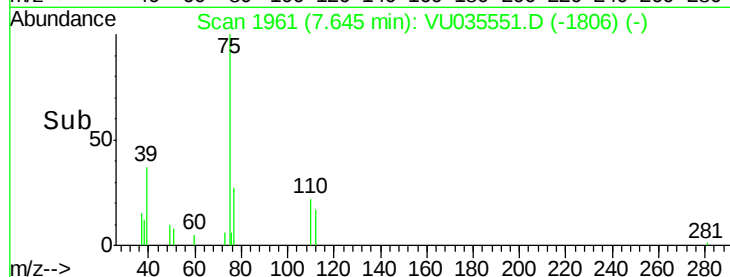
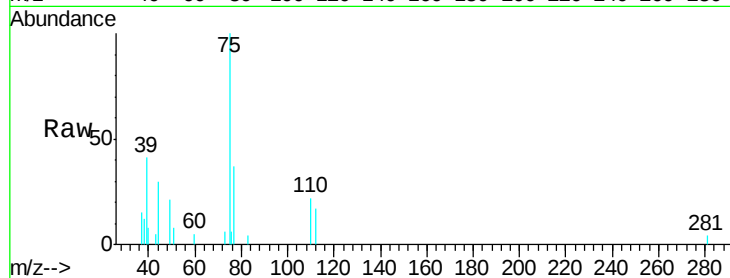
cis-1,3-Dichloropropene
Concen: 0.258 ug/l
RT: 7.65 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion:	75	Resp:	7097
Ion	Ratio	Lower	Upper
75	100		
77	28.6	25.2	37.8
39	41.2	32.1	48.1

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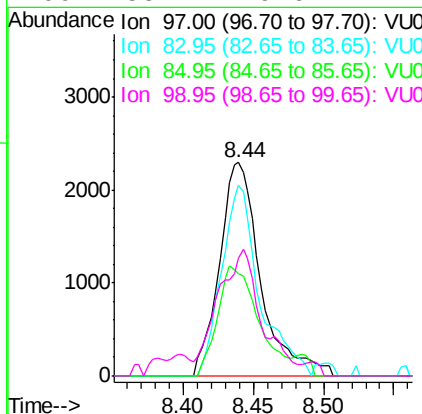
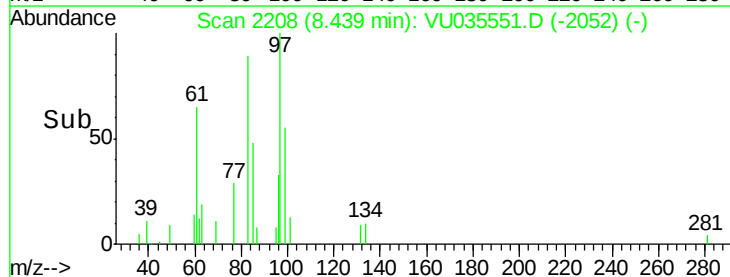
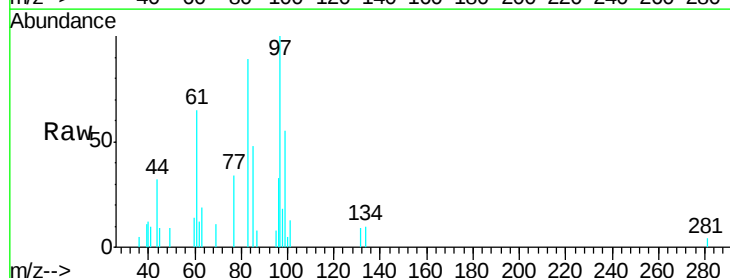
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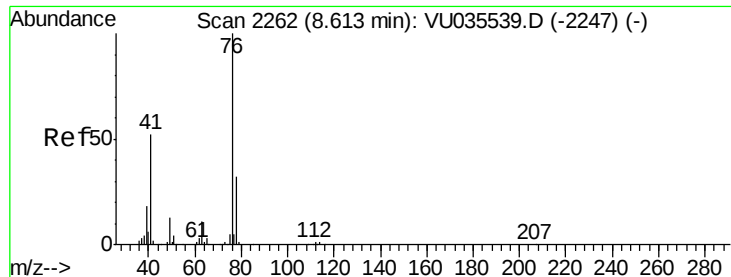


#52

1,1,2-Trichloroethane
Concen: 0.318 ug/l
RT: 8.44 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion:	97	Resp:	4683
Ion	Ratio	Lower	Upper
97	100		
83	89.1	72.6	108.8
85	47.8	46.4	69.6
99	55.4	49.6	74.4





#53

1,3-Dichloropropane

Concen: 0.251 ug/l

RT: 8.61 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 76 Resp: 6272

Ion Ratio Lower Upper

76 100

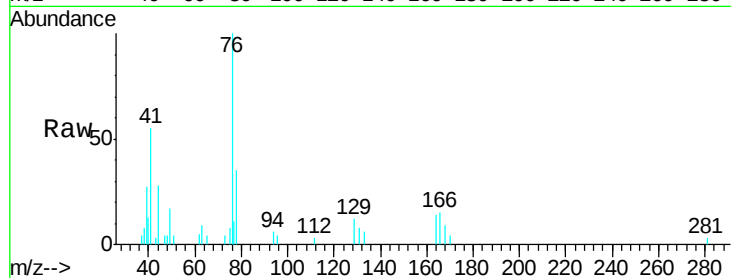
78 34.0 25.6 38.4

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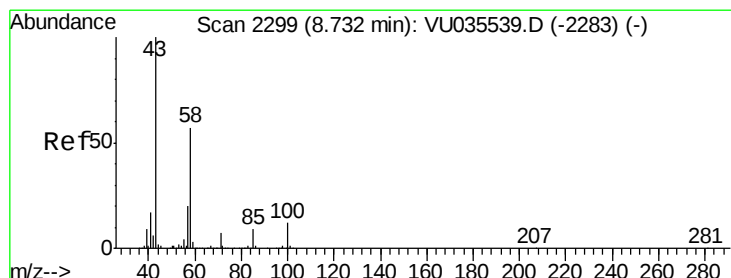
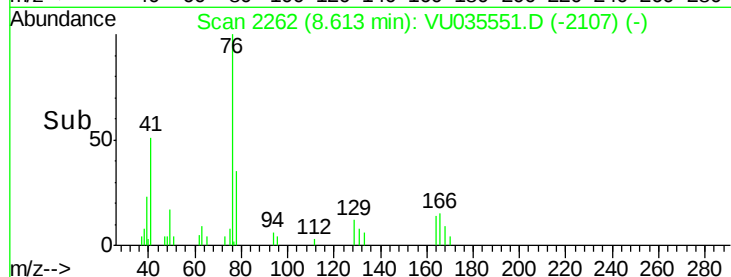
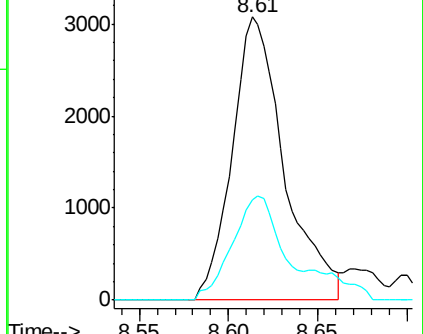
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Abundance Ion 76.00 (75.70 to 76.70): VU035539.D (-2247) (-)

Ion 78.00 (77.70 to 78.70): VU035539.D (-2247) (-)



#54

2-Hexanone

Concen: 0.962 ug/l

RT: 8.77 min Scan# 2311

Delta R.T. 0.04 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

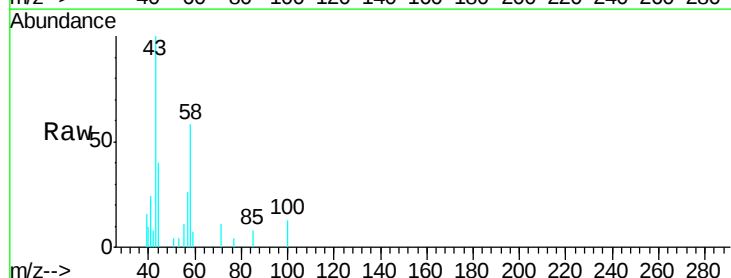
Tgt Ion: 43 Resp: 7669

Ion Ratio Lower Upper

43 100

58 61.0 37.2 77.2

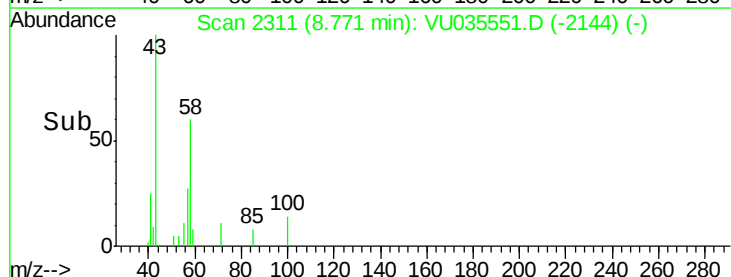
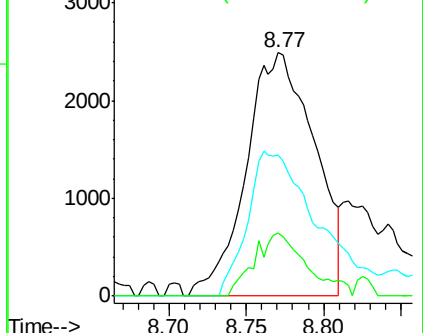
57 19.8 0.0 39.1

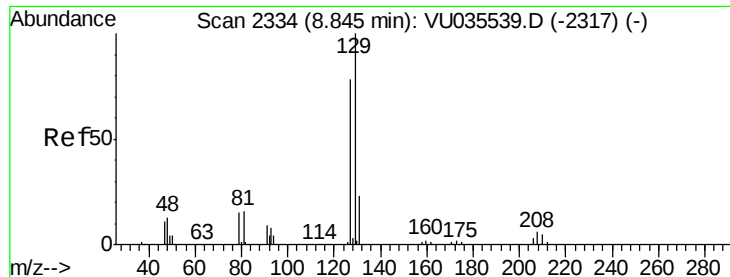


Abundance Ion 43.00 (42.70 to 43.70): VU035539.D (-2283) (-)

Ion 58.00 (57.70 to 58.70): VU035539.D (-2283) (-)

Ion 57.00 (56.70 to 57.70): VU035539.D (-2283) (-)





#55

Dibromochloromethane

Concen: 0.310 ug/l

RT: 8.84 min Scan# 2334

Delta R.T. -0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:129 Resp: 5579

Ion Ratio Lower Upper

129 100

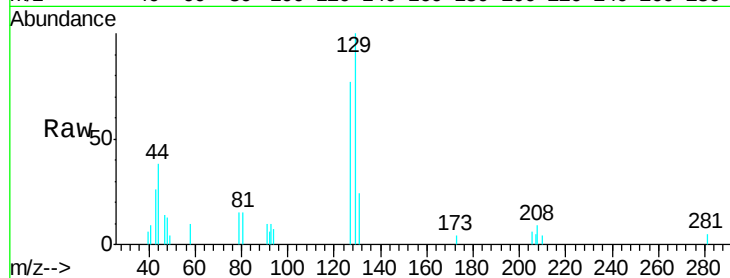
127 72.6 62.3 93.5

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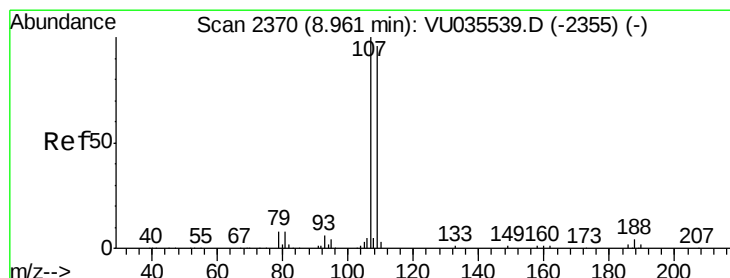
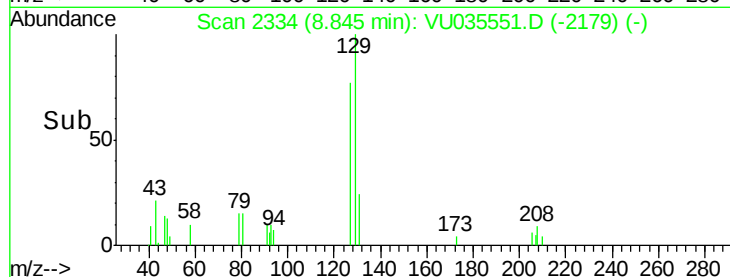
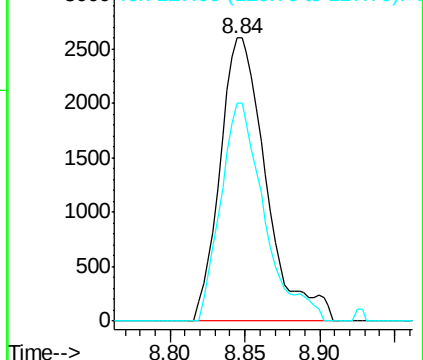
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#56

1,2-Dibromoethane

Concen: 0.281 ug/l

RT: 8.96 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VU035551.D

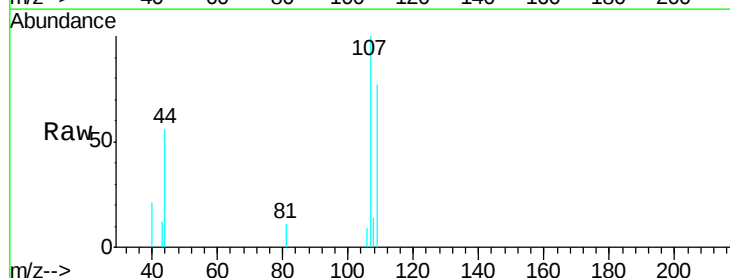
Acq: 30 Oct 2019 10:33

Tgt Ion:107 Resp: 3783

Ion Ratio Lower Upper

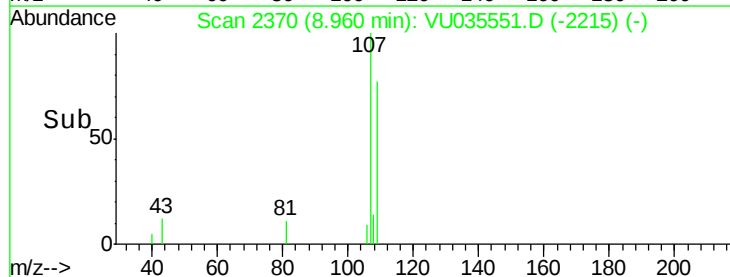
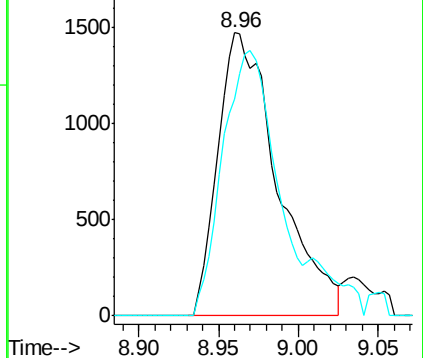
107 100

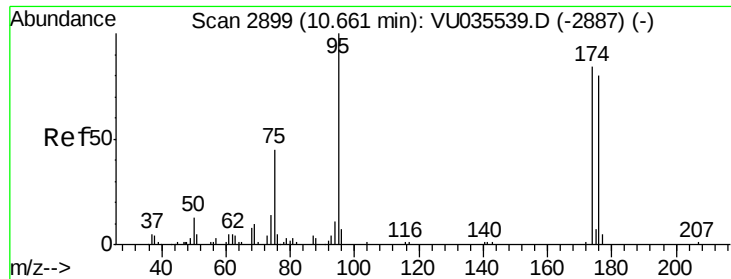
109 81.9 0.0 191.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





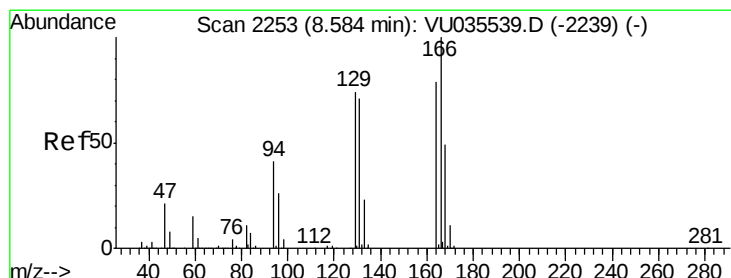
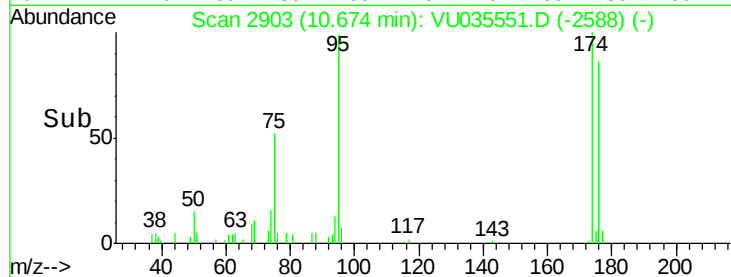
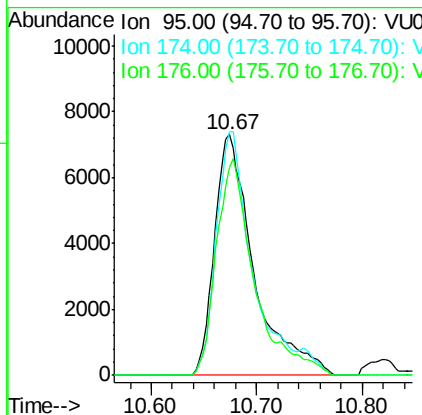
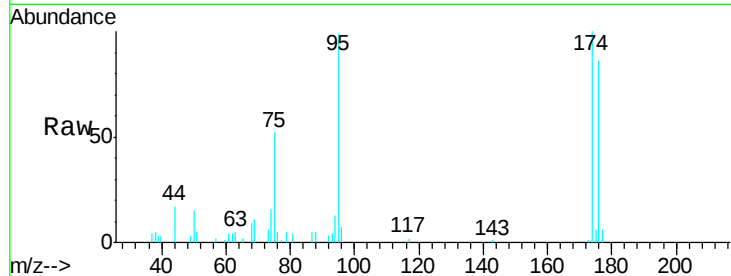
#57
4-Bromofluorobenzene
Concen: 0.845 ug/l
RT: 10.67 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 95 Resp: 19042
Ion Ratio Lower Upper
95 100
174 90.9 70.2 105.4
176 86.1 67.7 101.5

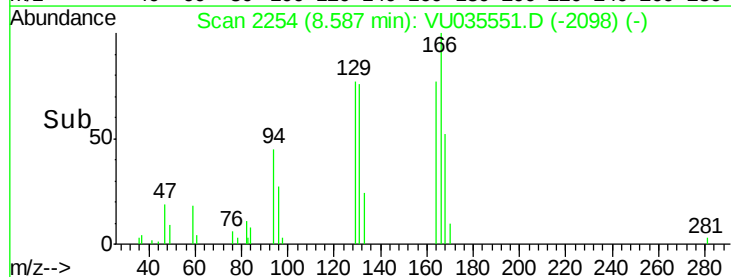
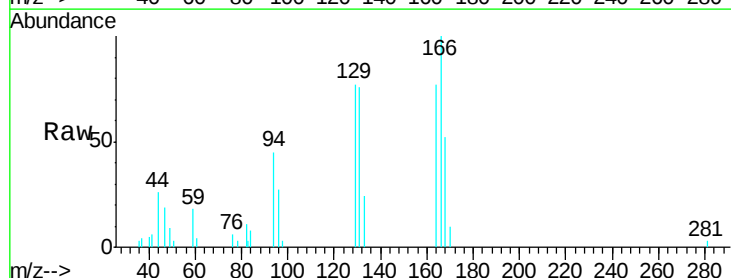
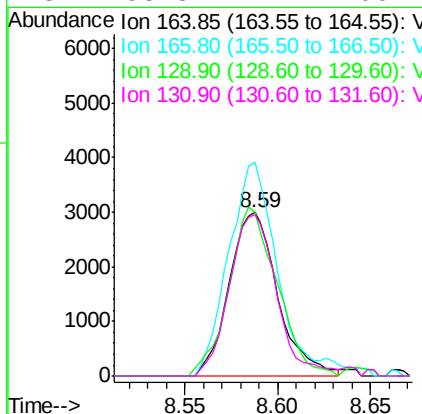
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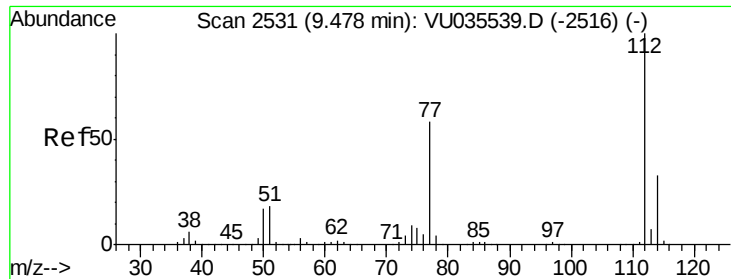
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#58
Tetrachloroethene
Concen: 0.280 ug/l
RT: 8.59 min Scan# 2254
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion: 164 Resp: 5482
Ion Ratio Lower Upper
164 100
166 130.6 100.6 151.0
129 100.4 74.1 111.1
131 98.8 71.1 106.7





#59

Chlorobenzene

Concen: 0.265 ug/l

RT: 9.48 min Scan# 2533

Delta R.T. 0.01 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion:112 Resp: 13486

Ion Ratio Lower Upper

112 100

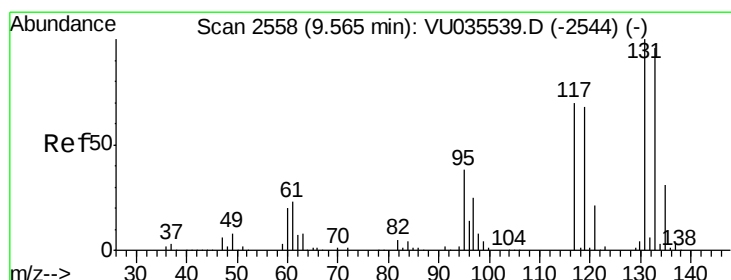
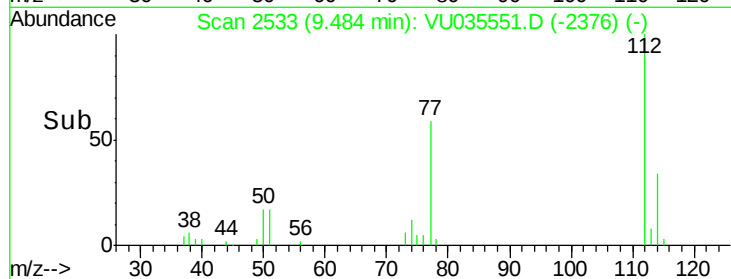
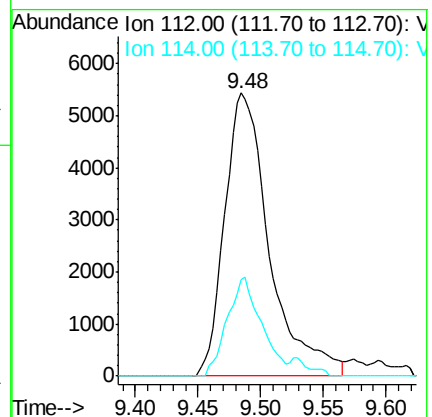
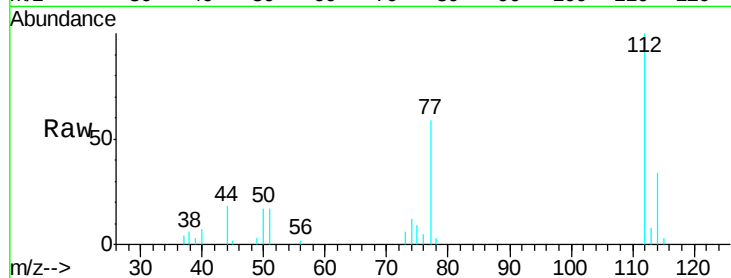
114 34.3 26.5 39.7

Manual Integrations

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#60

1,1,1,2-Tetrachloroethane

Concen: 0.296 ug/l

RT: 9.57 min Scan# 2559

Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

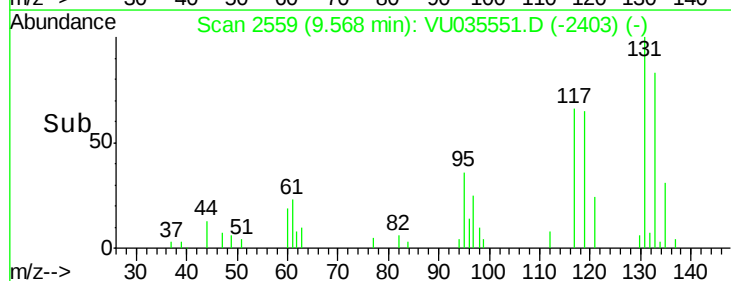
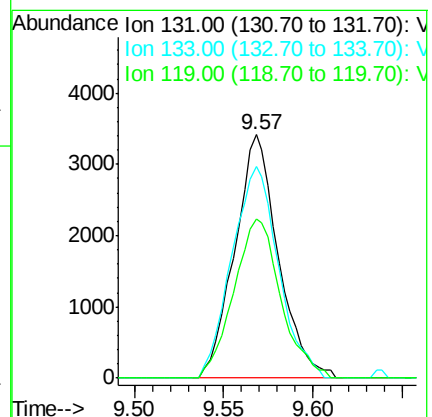
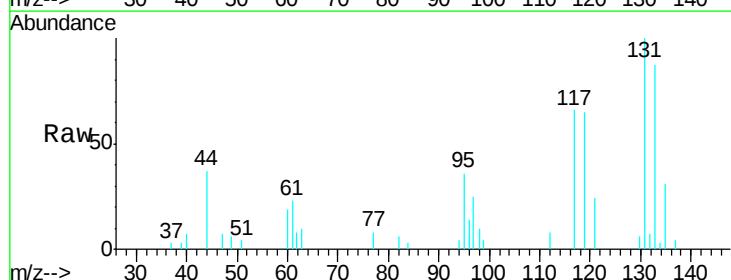
Tgt Ion:131 Resp: 5788

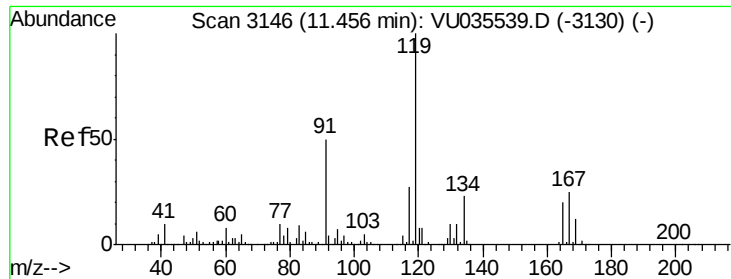
Ion Ratio Lower Upper

131 100

133 93.1 76.9 115.3

119 70.6 53.6 80.4





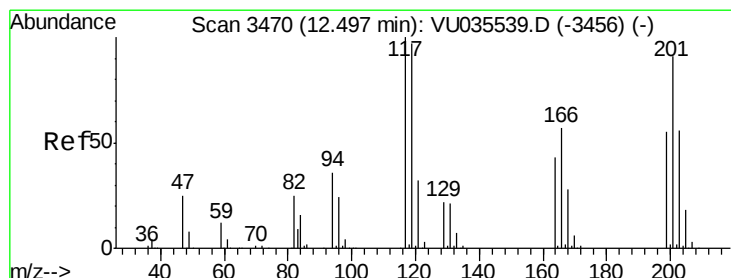
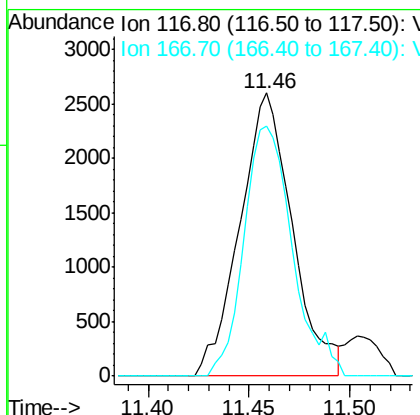
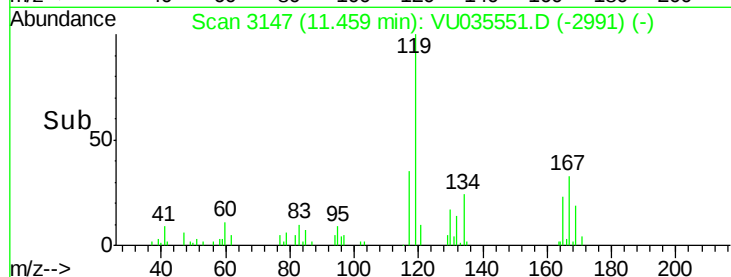
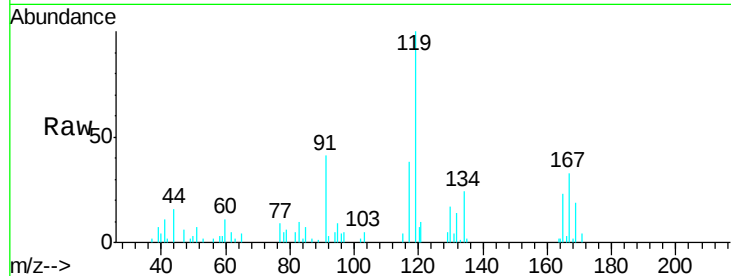
#61
 Pentachloroethane
 Concen: 0.297 ug/l
 RT: 11.46 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion:117 Resp: 4741
 Ion Ratio Lower Upper
 117 100
 167 81.5 69.8 104.6

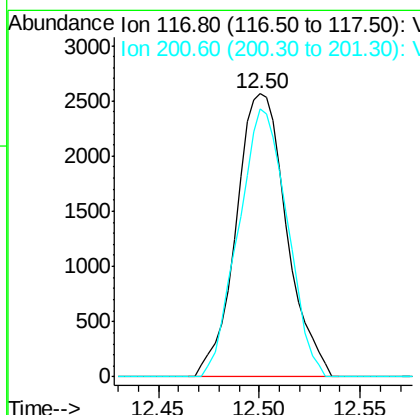
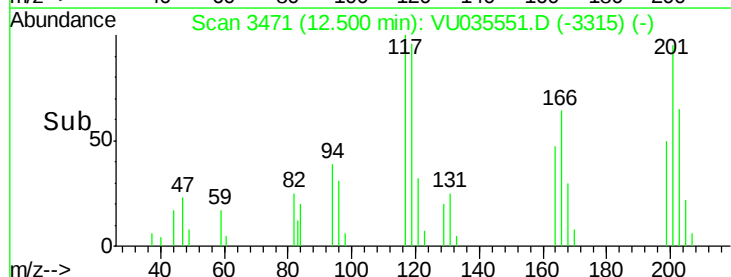
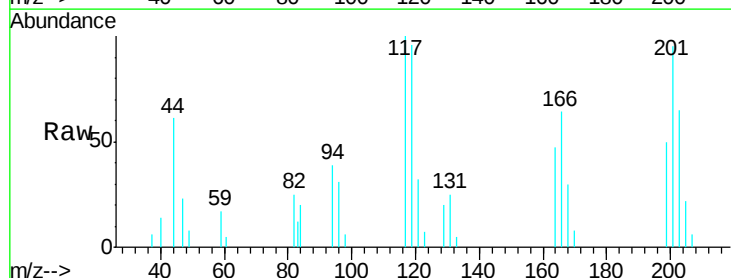
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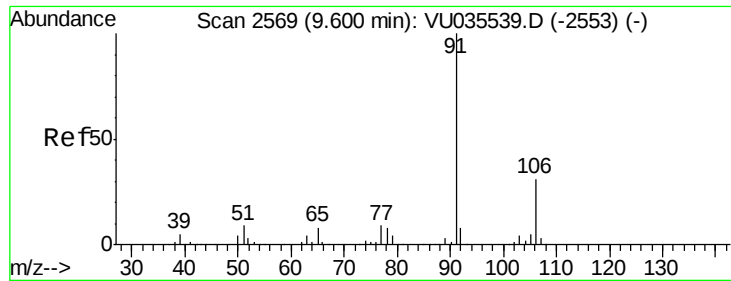
MMDadoda
 10/31/2019 4:09:15 PM



#62
 Hexachloroethane
 Concen: 0.308 ug/l
 RT: 12.50 min Scan# 3471
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion:117 Resp: 4494
 Ion Ratio Lower Upper
 117 100
 201 91.5 71.8 107.8





#63

Ethyl Benzene

Concen: 0.230 ug/l

RT: 9.60 min Scan# 2570

Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 91 Resp: 18206

Ion Ratio Lower Upper

91 100

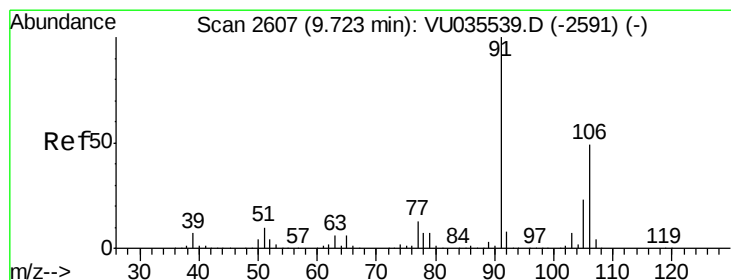
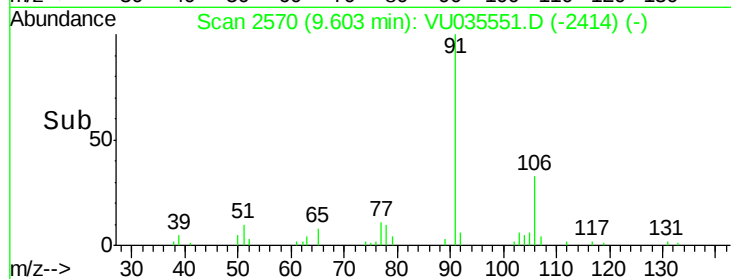
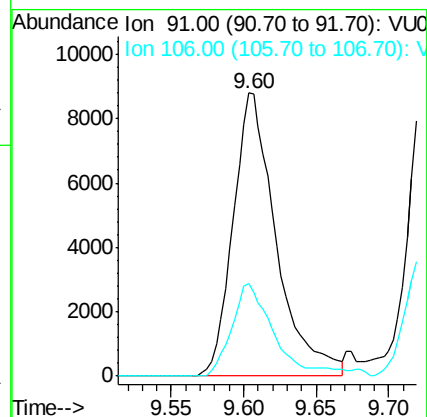
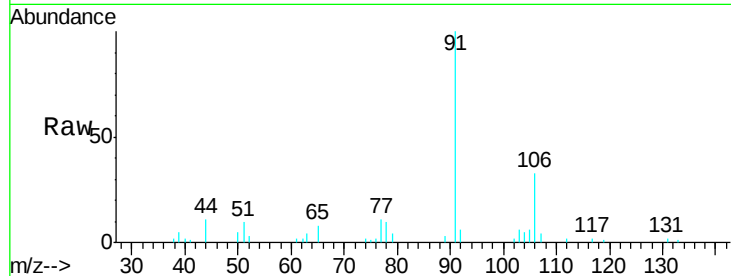
106 32.6 25.2 37.8

Manual Integrations

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#64

m/p-Xylenes

Concen: 0.417 ug/l

RT: 9.73 min Scan# 2610

Delta R.T. 0.01 min

Lab File: VU035551.D

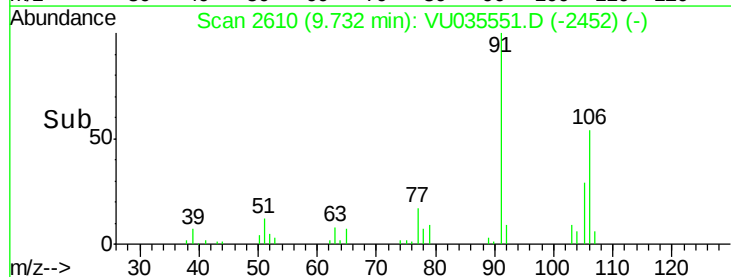
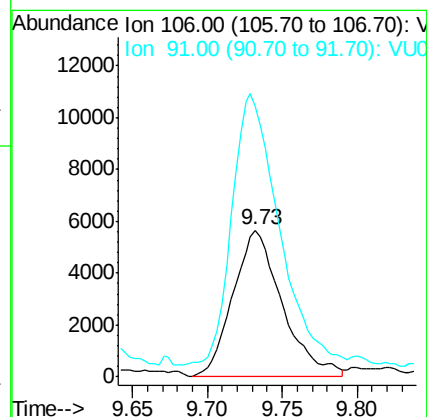
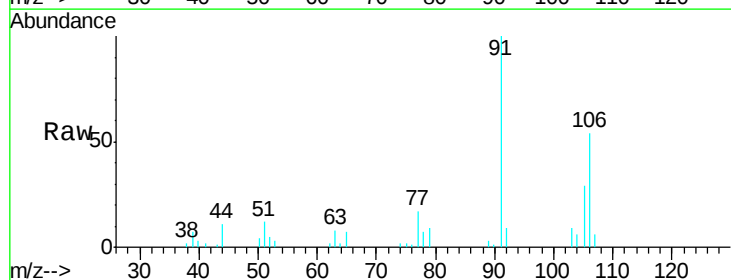
Acq: 30 Oct 2019 10:33

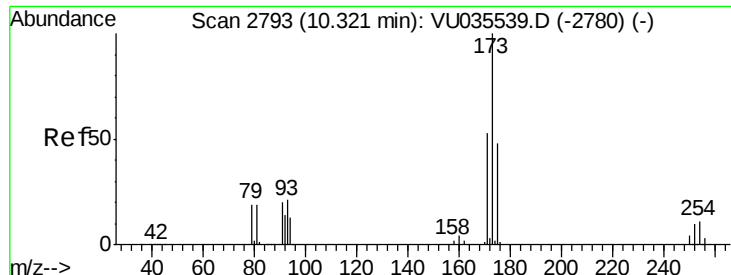
Tgt Ion: 106 Resp: 13017

Ion Ratio Lower Upper

106 100

91 171.2 81.0 121.4#





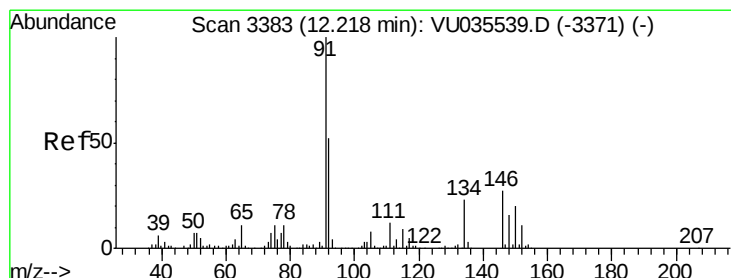
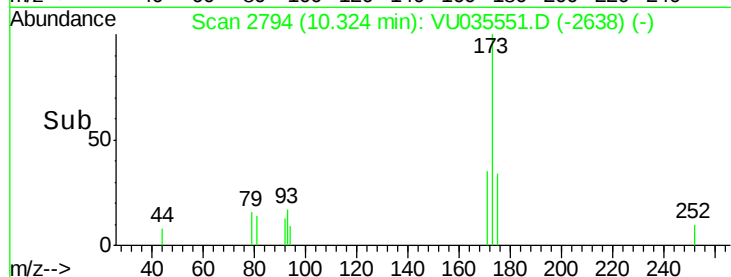
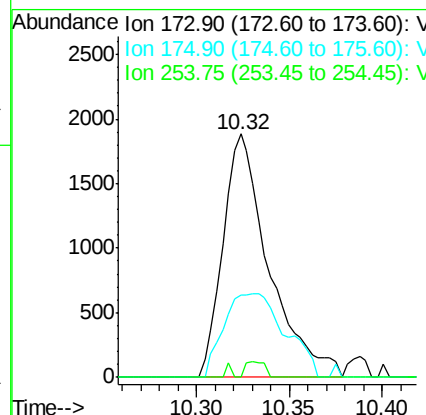
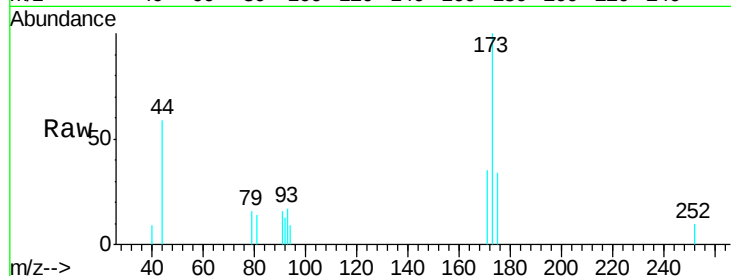
#67
Bromoform
Concen: 0.289 ug/l
RT: 10.32 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion:173 Resp: 3228
Ion Ratio Lower Upper
173 100
175 45.9 38.7 58.1
254 2.7 8.2 12.2#

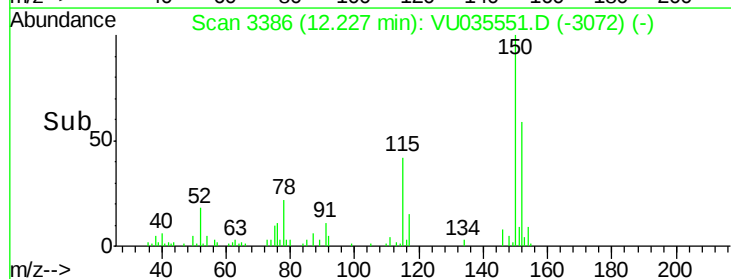
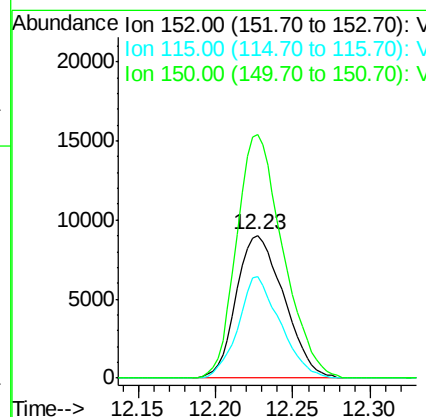
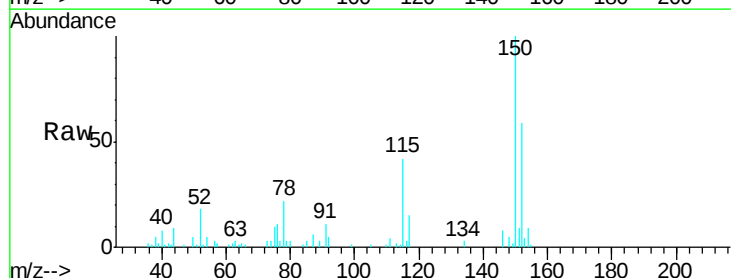
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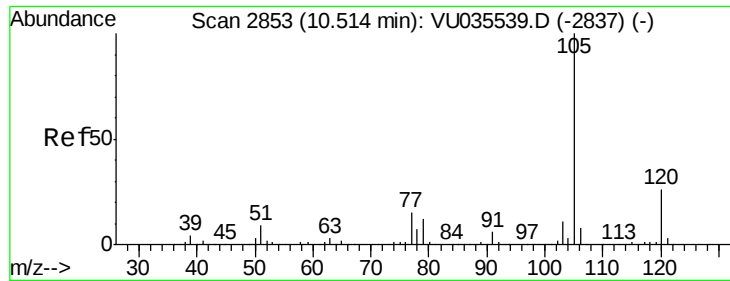
MMDadoda
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#68
1,2-Dichlorobenzene-d4
Concen: 0.805 ug/l
RT: 12.23 min Scan# 3386
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion:152 Resp: 19271
Ion Ratio Lower Upper
152 100
115 62.9 0.0 250.6
150 166.1 0.0 656.8





#69

Isopropylbenzene

Concen: 0.208 ug/l

RT: 10.52 min Scan# 2854

Delta R.T. 0.00 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

Instrument :

MSVOA_U

ClientSampleId :

MDL-MDL-WATER-03-QT4-2019

Tgt Ion: 105 Resp: 16379

Ion Ratio Lower Upper

105 100

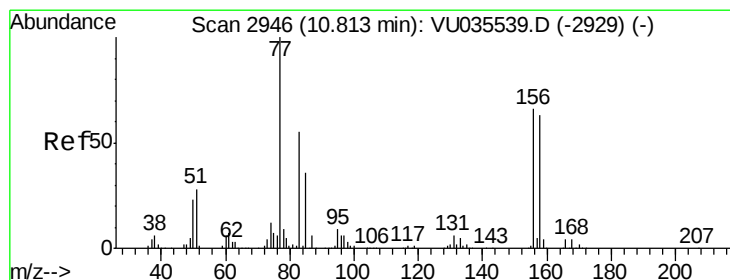
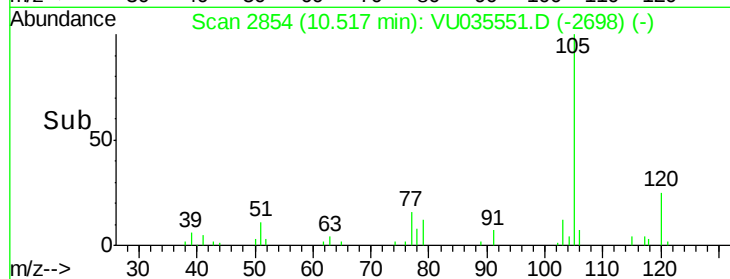
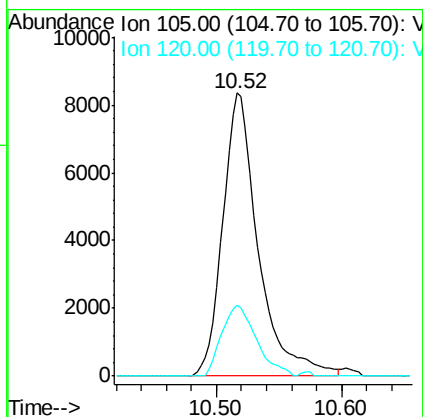
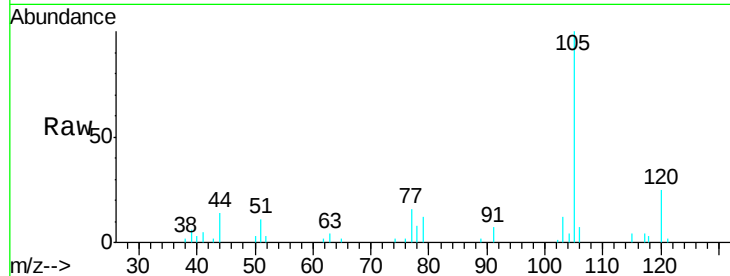
120 24.3 13.2 39.5

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#70

1,1,2,2-Tetrachloroethane

Concen: 0.310 ug/l

RT: 10.82 min Scan# 2948

Delta R.T. 0.01 min

Lab File: VU035551.D

Acq: 30 Oct 2019 10:33

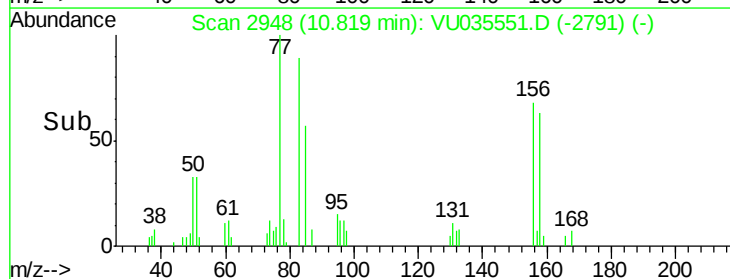
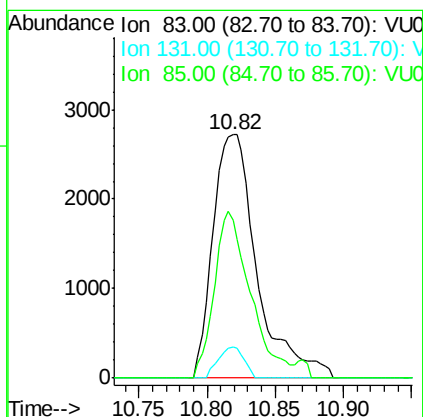
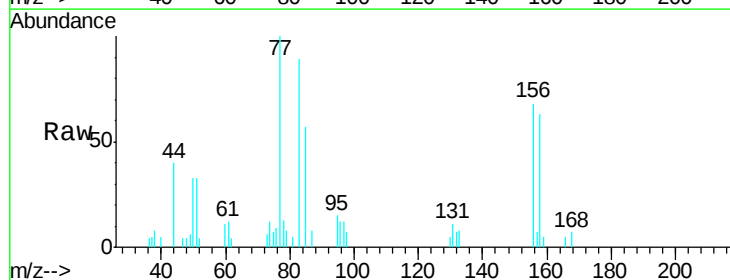
Tgt Ion: 83 Resp: 6101

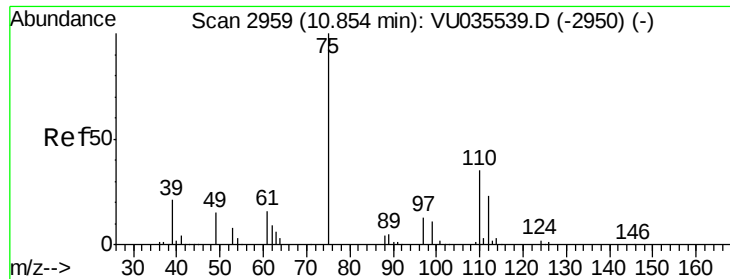
Ion Ratio Lower Upper

83 100

131 7.3 0.0 0.0#

85 56.4 33.5 50.3#





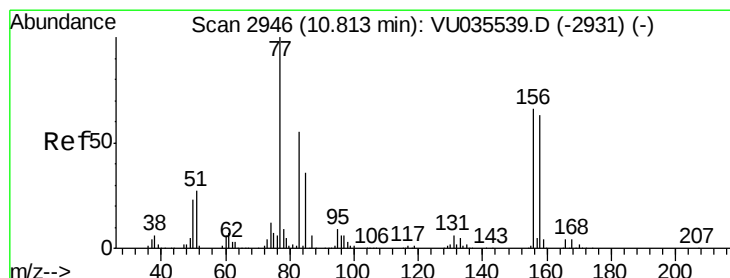
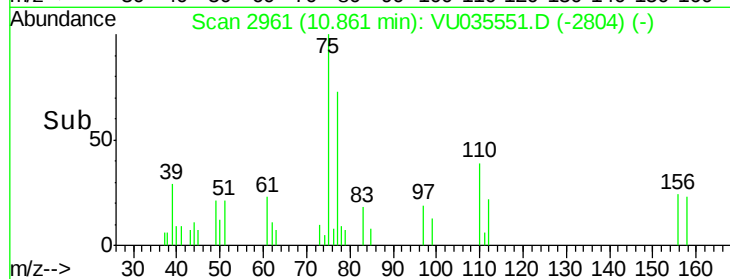
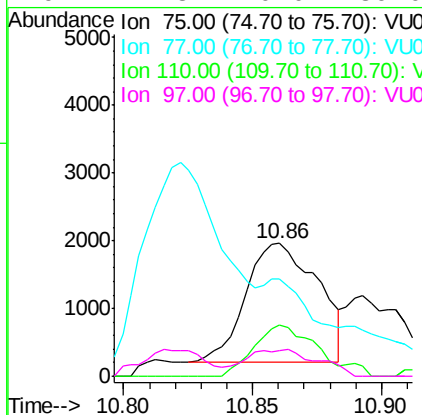
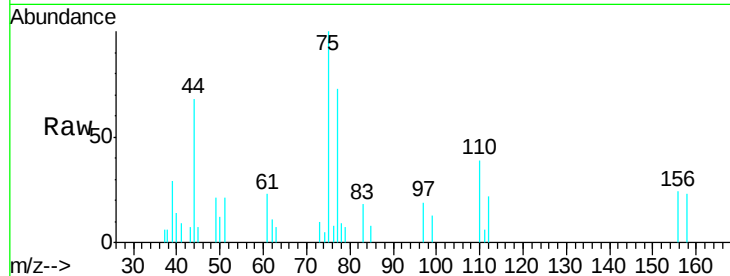
#71
1,2,3-Trichloropropane
Concen: 0.230 ug/l
RT: 10.86 min Scan# 2961
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Instrument :
MSVOA_U
ClientSampleId :
MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
75	100		
77	22.6	0.0	68.6
110	38.4	0.0	77.2
97	22.8	0.0	39.0

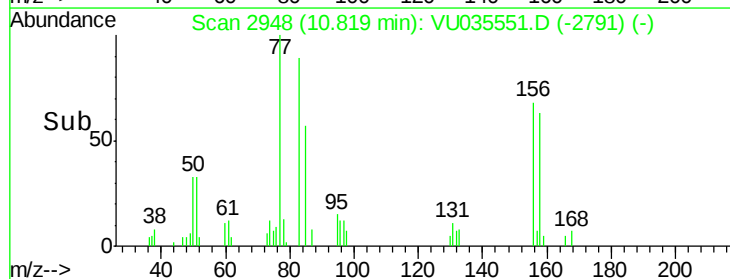
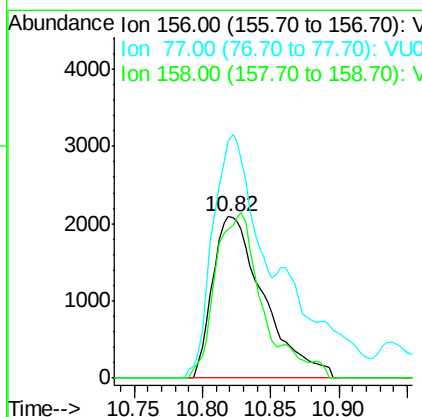
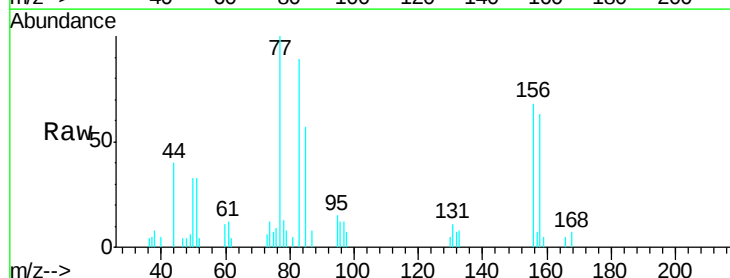
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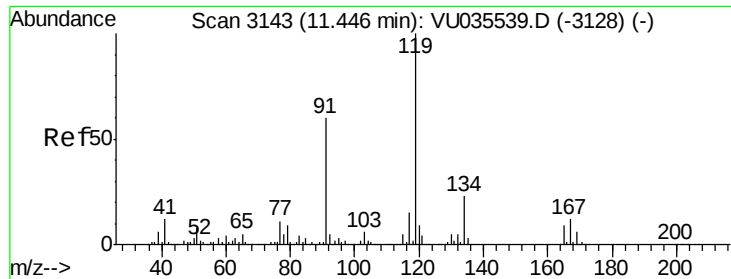
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#72
Bromobenzene
Concen: 0.249 ug/l
RT: 10.82 min Scan# 2948
Delta R.T. 0.01 min
Lab File: VU035551.D
Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
156	100		
77	128.1	0.0	300.4
158	94.2	0.0	194.4





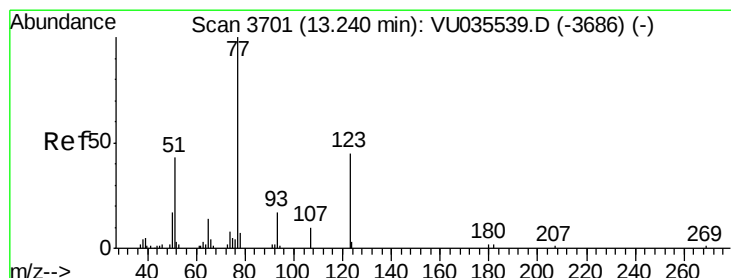
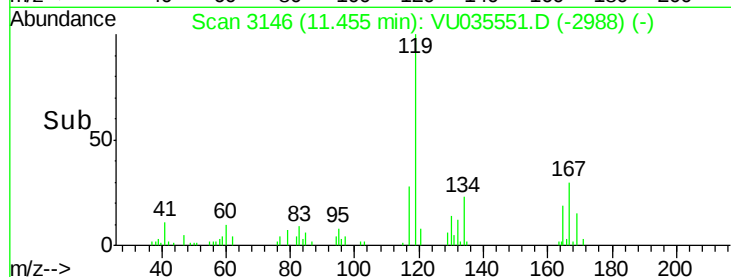
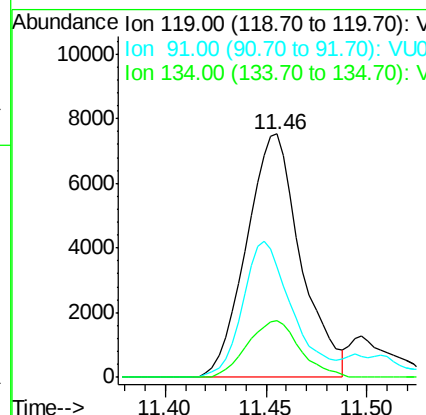
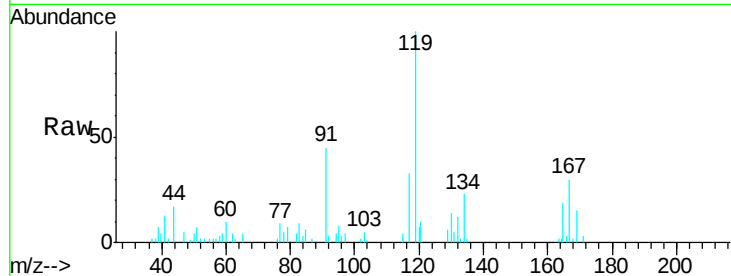
#77
 tert-Butylbenzene
 Concen: 0.213 ug/l
 RT: 11.46 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	14129		
91	51.1	27.9	83.7	
134	22.5	18.3	27.5	

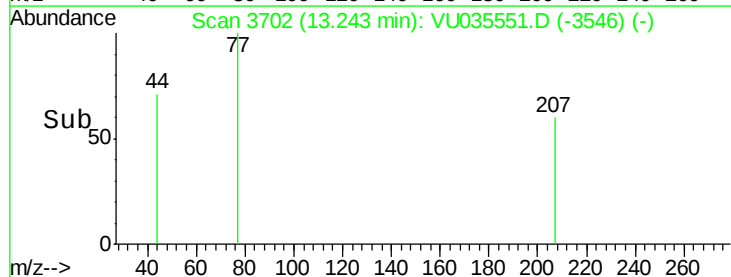
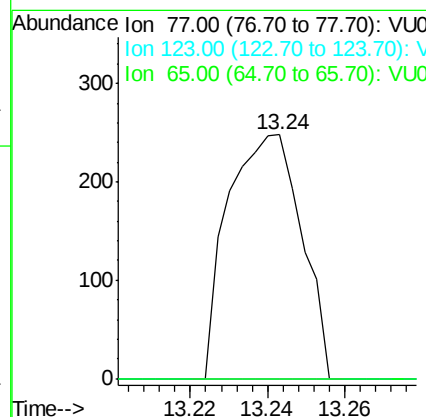
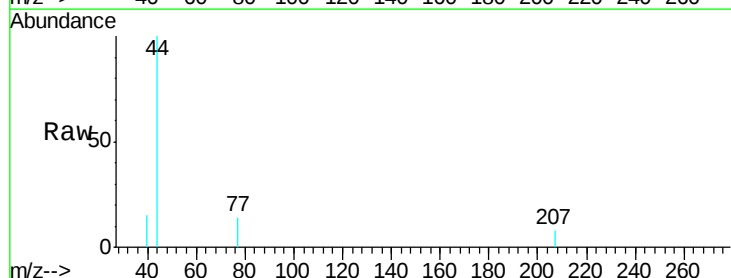
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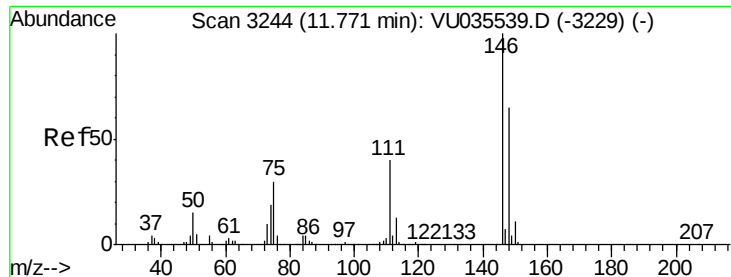
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#80
 Nitrobenzene
 Concen: 0.498 ug/l
 RT: 13.24 min Scan# 3702
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
77	100	328		
123	0.0	18.9	67.1#	
65	0.0	11.2	14.2#	





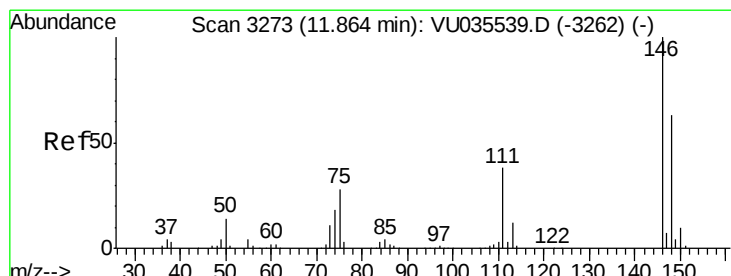
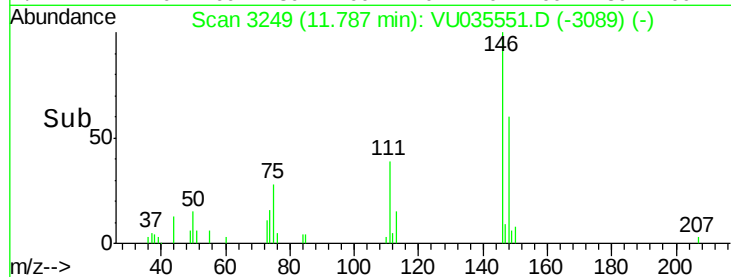
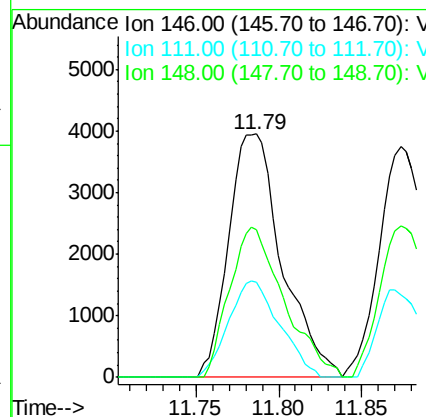
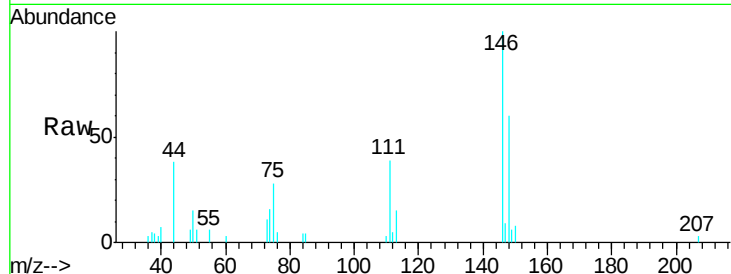
#82
 1,3-Dichlorobenzene
 Concen: 0.212 ug/l
 RT: 11.79 min Scan# 3249
 Delta R.T. 0.02 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	31.8	47.6
148	63.0	50.9	76.3

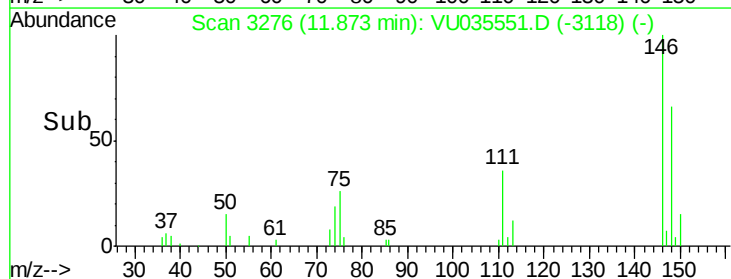
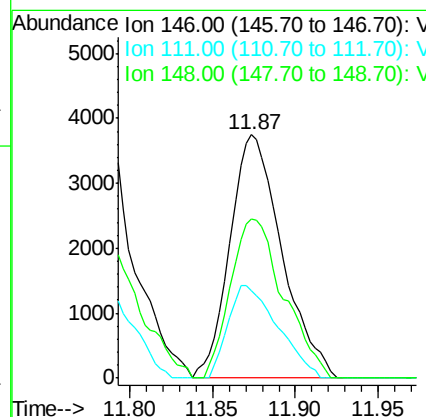
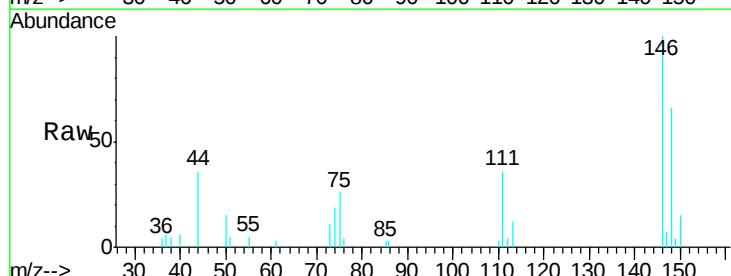
Manual Integrations
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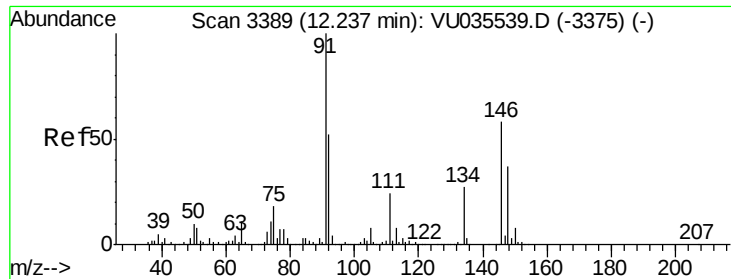
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#83
 1,4-Dichlorobenzene
 Concen: 0.204 ug/l
 RT: 11.87 min Scan# 3276
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	30.1	45.1
148	66.9	51.0	76.4





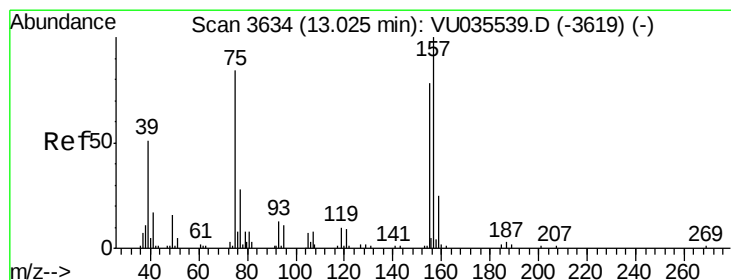
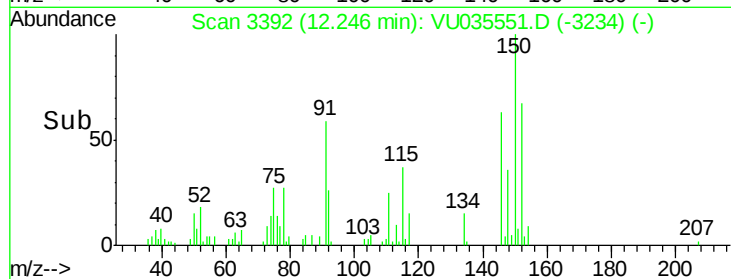
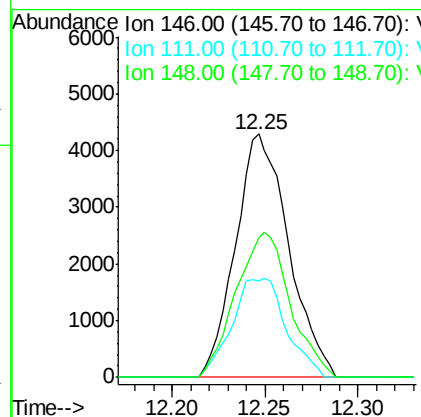
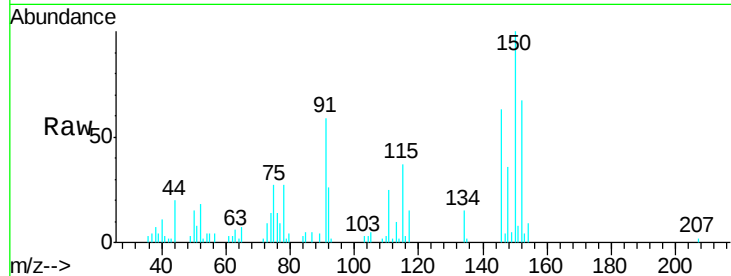
#85
 1,2-Dichlorobenzene
 Concen: 0.218 ug/l
 RT: 12.25 min Scan# 3392
 Delta R.T. 0.01 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	8552		
111	41.1	20.5	61.5	
148	61.0	32.0	96.2	

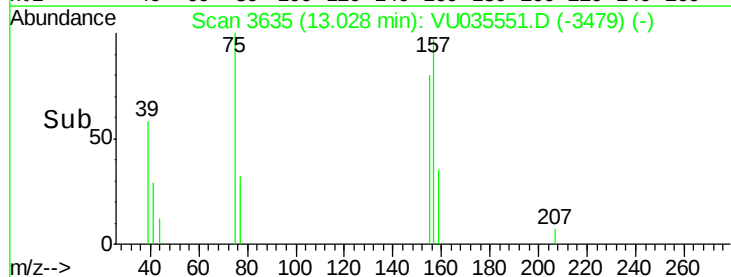
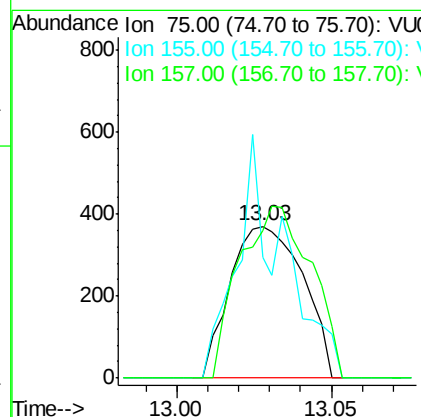
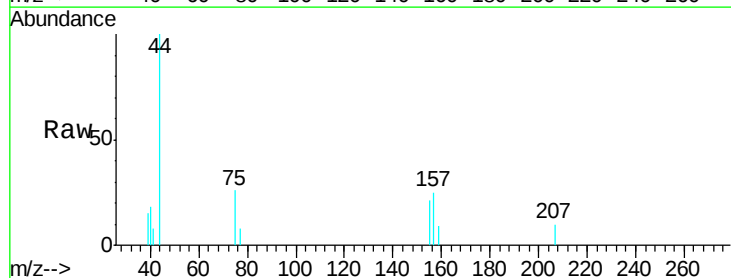
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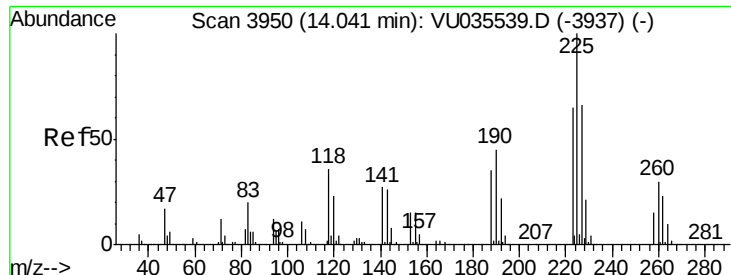
MMDadoda
 10/31/2019 4:09:15 PM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 0.242 ug/l
 RT: 13.03 min Scan# 3635
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	606		
155	63.0	71.3	106.9#	
157	111.6	91.2	136.8	





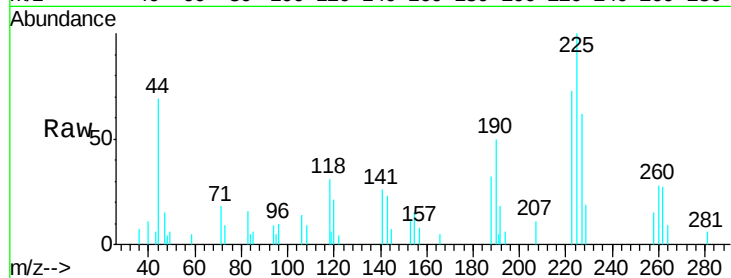
#88
 Hexachlorobutadiene
 Concen: 0.256 ug/l
 RT: 14.04 min Scan# 3951
 Delta R.T. 0.00 min
 Lab File: VU035551.D
 Acq: 30 Oct 2019 10:33

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MDL-WATER-03-QT4-2019

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.5	50.7	76.1
227	59.1	52.2	78.4

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 4:09:15 PM



Abundance

Ion 224.60 (224.30 to 225.30): V

Ion 222.60 (222.30 to 223.30): V

Ion 226.60 (226.30 to 227.30): V

