

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U082018\
 Data File : VU026218.D
 Acq On : 20 Aug 2018 19:34
 Operator : MD/SY
 Sample : VU0820WBS02
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampled :
 VU0820WBS02

Manual Integrations
 APPROVED

Quant Time: Aug 21 08:51:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

MMDadoda

Internal Standards R.T. QIon Response Conc Units Dev(Min) 8/21/2018 11:38:53 AM

 1) Fluorobenzene 5.74 96 32864 1.00 ug/l 0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	11446	0.97 ug/l	0.00
Spiked Amount 1.000			Recovery	=	97.00%
68) 1,2-Dichlorobenzene-d4	11.86	152	13432	0.98 ug/l	0.00
Spiked Amount 1.000			Recovery	=	98.00%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Dev(Min)	Ovalue
2) Dichlorodifluoromethane	1.20	85	28094	2.20	ug/l		100
3) Chloromethane	1.33	50	23274	2.13	ug/l		99
4) Vinyl Chloride	1.40	62	23122	2.12	ug/l		100
5) Bromomethane	1.63	94	15642	2.61	ug/l		98
6) Chloroethane	1.70	64	13676	2.09	ug/l		98
7) Trichlorofluoromethane	1.89	101	33842	2.10	ug/l		98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	19015	2.13	ug/l		99
9) 1,1-Dichloroethene	2.29	96	15604	2.04	ug/l		94
10) Iodomethane	2.41	142	20513	1.91	ug/l		92
11) Allyl Chloride	2.59	41	28764	2.24	ug/l		90
12) Acrylonitrile	2.94	53	6840	3.95	ug/l		94
13) Acetone	2.32	43	15468	9.95	ug/l		97
14) Carbon Disulfide	2.48	76	54638	2.07	ug/l		99
15) Methylene Chloride	2.70	84	18753	1.99	ug/l		95
16) trans-1,2-Dichloroethene	2.98	96	18027	2.04	ug/l		94
17) 1,1-Dichloroethane	3.45	63	36345	2.25	ug/l		96
18) 2-Butanone	4.28	43	26267	10.60	ug/l		98
19) Cyclohexane	5.00	56	23365	1.97	ug/l		86
20) Methylcyclohexane	6.42	83	27315	1.96	ug/l		96
21) 2,2-Dichloropropane	4.23	77	32528	1.96	ug/l		97
22) cis-1,2-Dichloroethene	4.23	96	22137	2.07	ug/l		95
23) Diethyl Ether	2.10	59	12536	2.15	ug/l		97
24) tert-Butyl Alcohol	2.83	59	12551	20.98	ug/l #		81
25) Methyl tert-Butyl Ether	3.01	73	41785	2.10	ug/l		98
26) Bromochloromethane	4.55	128	10183	2.13	ug/l		78
27) Chloroform	4.68	83	39892	2.14	ug/l		100
28) 1,1,1-Trichloroethane	4.92	97	35432	2.13	ug/l		98
29) 1,1-Dichloropropene	5.14	75	26483	2.02	ug/l		98
30) Carbon Tetrachloride	5.14	117	33725	2.15	ug/l		99
31) Isopropyl Ether	3.58	45	54319	2.04	ug/l		92
32) Ethyl-t-butyl ether	4.08	59	45955	1.97	ug/l		94
33) Tert-Amyl methyl ether	5.59	73	39848	2.00	ug/l		99
34) Propionitrile	4.34	54	7250	10.28	ug/l #		89
35) Benzene	5.39	78	79175	2.09	ug/l		99
36) 1,2-Dichloroethane	5.41	62	25041	2.13	ug/l		98
37) Trichloroethene	6.19	130	21820	2.05	ug/l		100
38) 1,2-Dichloropropane	6.44	63	20277	2.07	ug/l		97
39) Methacrylonitrile	4.55	41	6176	2.07	ug/l		94
40) Methyl acrylate	4.43	55	9399	2.08	ug/l #		95
41) Tetrahydrofuran	4.65	42	6189	3.74	ug/l		92
42) 1-Chlorobutane	5.07	56	37718	2.13	ug/l		97

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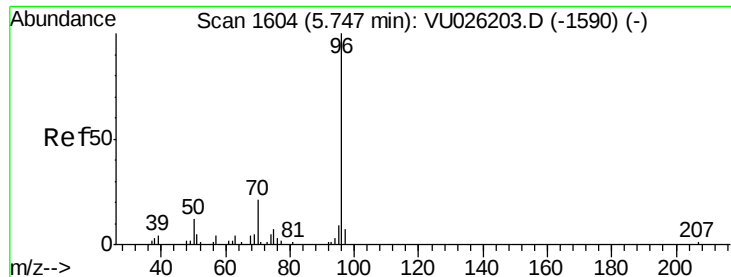
Manual Integrations
 APPROVED

Quant Time: Aug 21 08:51:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)	8/21/2018 11:38:53 AM
43) Dibromomethane	6.56	93	11318	2.17	ug/l	97	
44) Bromodichloromethane	6.76	83	28223	2.10	ug/l	94	
45) 4-Methyl-2-Pentanone	7.47	43	52999	10.03	ug/l	98	
46) t-1,4-Dichloro-2-butene	10.51	75	9486m	3.96	ug/l		
47) Methyl methacrylate	6.63	69	16496	4.14	ug/l	97	
48) Ethyl methacrylate	8.02	69	14915	2.05	ug/l	97	
49) Toluene	7.64	92	44203	2.04	ug/l	96	
50) t-1,3-Dichloropropene	7.89	75	22660	1.97	ug/l	95	
51) cis-1,3-Dichloropropene	7.27	75	27146	2.04	ug/l	98	
52) 1,1,2-Trichloroethane	8.07	97	15633	2.21	ug/l	93	
53) 1,3-Dichloropropane	8.25	76	23629	2.01	ug/l	97	
54) 2-Hexanone	8.37	43	36751	9.77	ug/l	97	
55) Dibromochloromethane	8.48	129	19838	2.10	ug/l	98	
56) 1,2-Dibromoethane	8.59	107	14364	2.09	ug/l	99	
58) Tetrachloroethene	8.23	164	21625	2.15	ug/l	92	
59) Chlorobenzene	9.12	112	51690	2.06	ug/l	99	
60) 1,1,1,2-Tetrachloroethane	9.21	131	21572	2.16	ug/l	99	
61) Pentachloroethane	11.10	117	17078	2.00	ug/l	100	
62) Hexachloroethane	12.15	117	17475	2.06	ug/l	95	
63) Ethyl Benzene	9.25	91	77280	1.94	ug/l	100	
64) m/p-Xylenes	9.38	106	62612	3.95	ug/l	99	
65) o-Xylene	9.78	106	31221	2.06	ug/l	92	
66) Styrene	9.80	104	52925	2.04	ug/l	99	
67) Bromoform	9.96	173	11817	2.12	ug/l #	98	
69) Isopropylbenzene	10.17	105	78988	1.98	ug/l	98	
70) 1,1,2,2-Tetrachloroethane	10.46	83	18763	2.12	ug/l	97	
71) 1,2,3-Trichloropropane	10.50	75	16184m	2.55	ug/l		
72) Bromobenzene	10.45	156	22782	2.04	ug/l	95	
73) n-propylbenzene	10.59	120	23082	1.97	ug/l	97	
74) 2-Chlorotoluene	10.66	126	22615	2.14	ug/l	84	
75) 1,3,5-Trimethylbenzene	10.77	105	72399	2.04	ug/l	99	
76) 4-Chlorotoluene	10.77	126	22508	2.08	ug/l	100	
77) tert-Butylbenzene	11.10	119	70519	1.99	ug/l	97	
78) 1,2,4-Trimethylbenzene	11.15	105	74330	2.02	ug/l	100	
79) sec-Butylbenzene	11.33	105	94538	2.04	ug/l	97	
80) Nitrobenzene	12.86	77	3694	9.54	ug/l #	94	
81) p-Isopropyltoluene	11.48	119	78415	2.00	ug/l	96	
82) 1,3-Dichlorobenzene	11.42	146	49182	2.09	ug/l	99	
83) 1,4-Dichlorobenzene	11.51	146	51028	2.17	ug/l	99	
84) n-Butylbenzene	11.89	91	76484	2.01	ug/l	96	
85) 1,2-Dichlorobenzene	11.88	146	45592	2.11	ug/l	99	
86) 1,2-Dibromo-3-Chloropropan	12.66	75	3489	2.24	ug/l	85	
87) 1,2,4-Trichlorobenzene	13.51	180	29095	1.91	ug/l	99	
88) Hexachlorobutadiene	13.69	225	18945	2.03	ug/l	99	
89) Naphthalene	13.74	128	42856	1.79	ug/l	100	
90) 1,2,3-Trichlorobenzene	13.99	180	27916	1.95	ug/l	99	

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

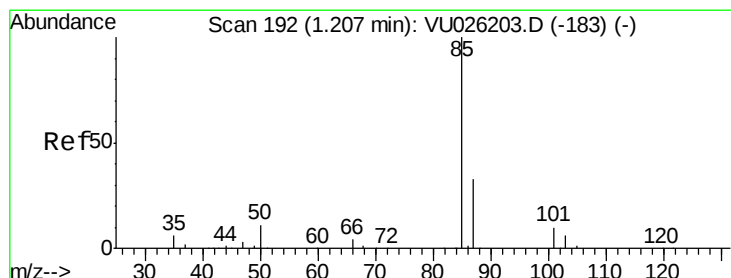
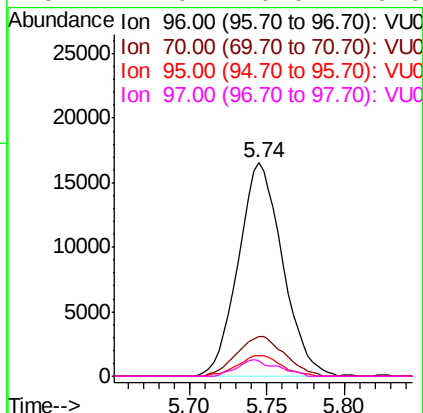
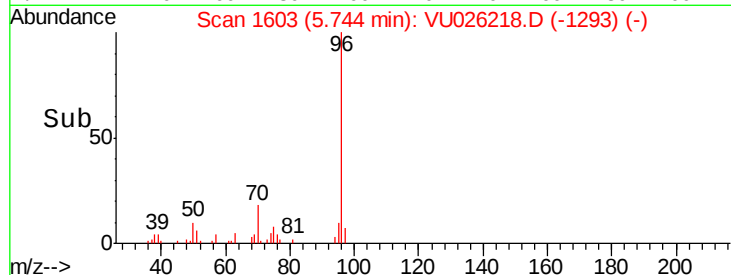
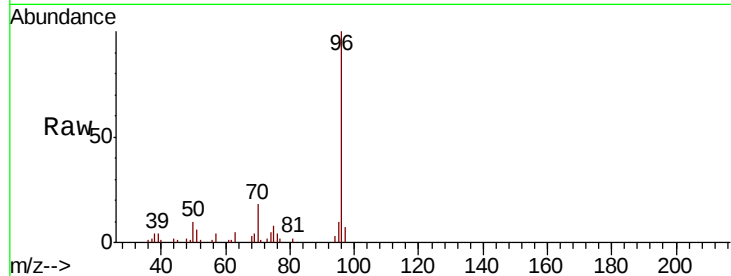
VU0820WBS02

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
70	20.2	16.2	24.4	
95	9.8	6.9	10.3	
97	7.0	0.0	0.0	

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 2.20 ug/l

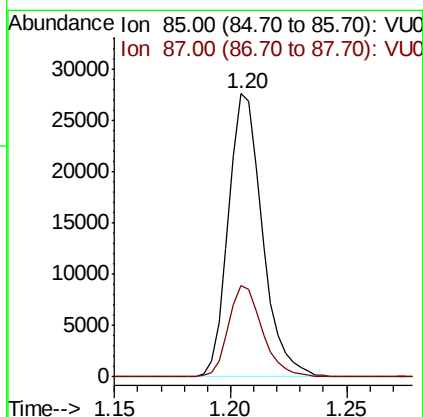
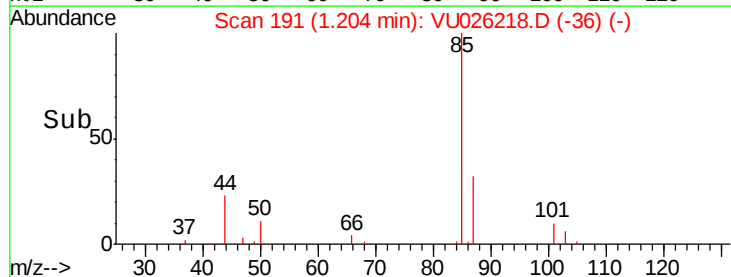
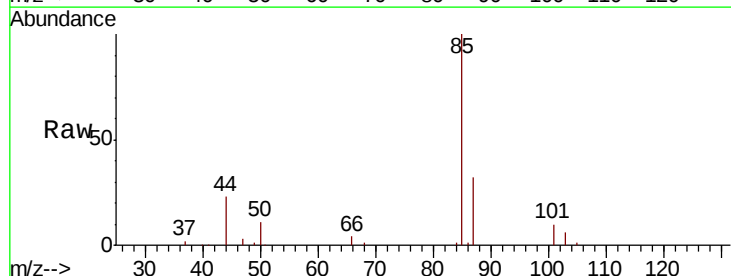
RT: 1.20 min Scan# 191

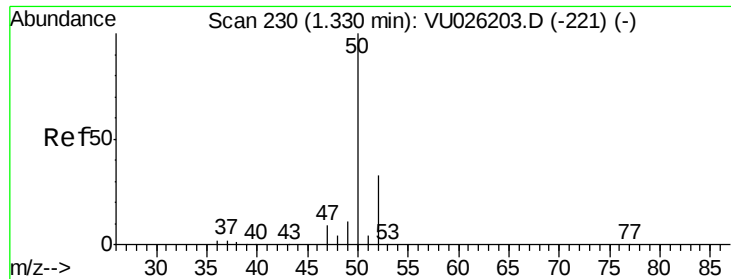
Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
85	100			
87	32.5	16.2	48.5	





#3

Chloromethane

Concen: 2.13 ug/l

RT: 1.33 min Scan# 229

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion: 50 Resp: 23274

Ion Ratio Lower Upper

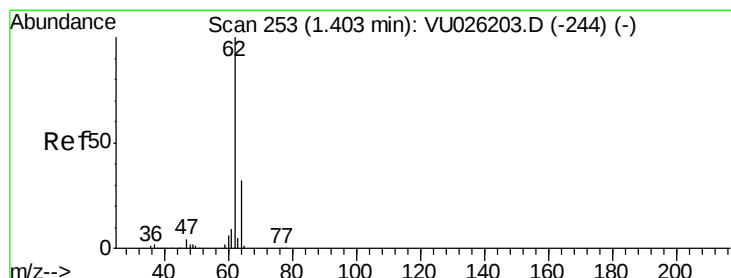
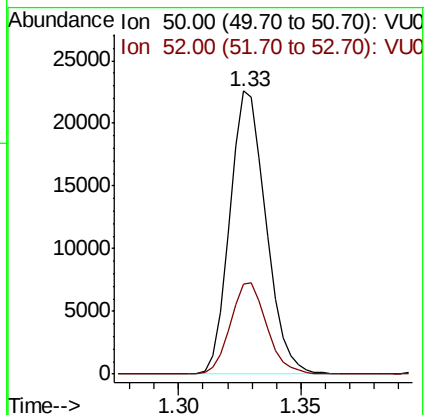
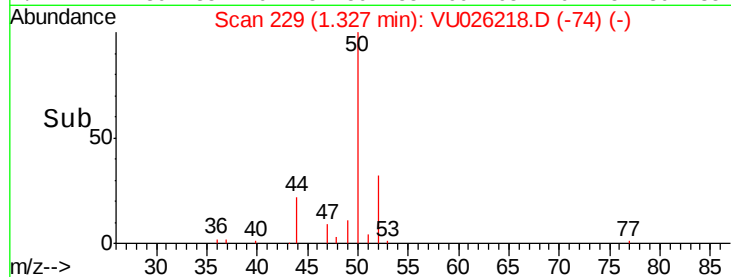
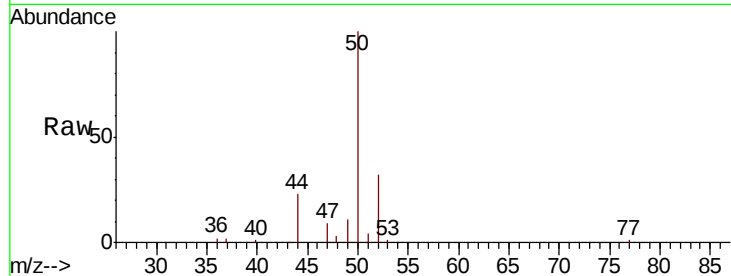
50 100

52 31.7 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 2.12 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026218.D

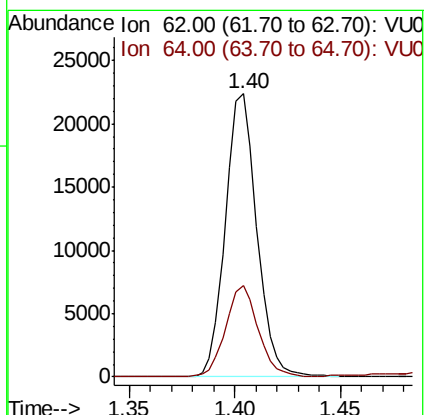
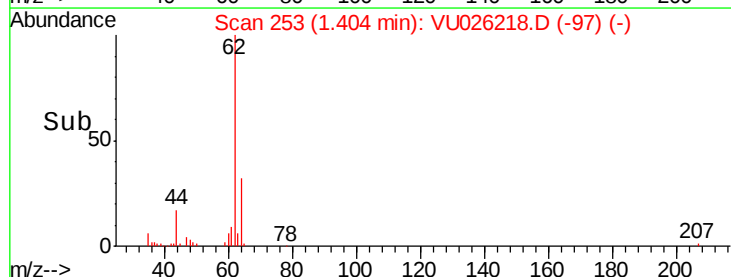
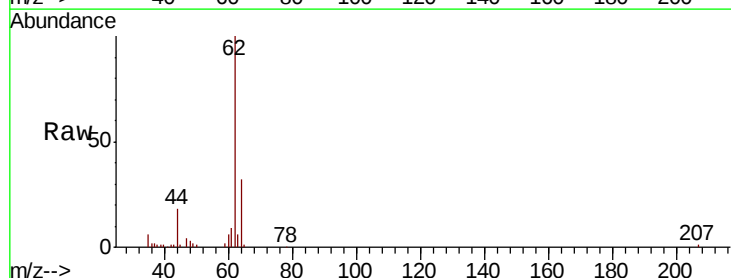
Acq: 20 Aug 2018 19:34

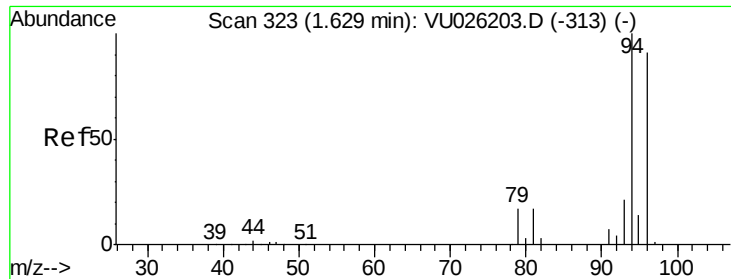
Tgt Ion: 62 Resp: 23122

Ion Ratio Lower Upper

62 100

64 32.1 25.8 38.8





#5

Bromomethane

Concen: 2.61 ug/l

RT: 1.63 min Scan# 324

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion: 94 Resp: 15642

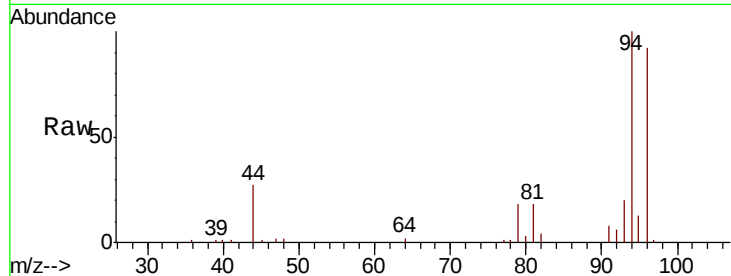
Ion Ratio Lower Upper

94 100

96 92.1 75.1 112.7

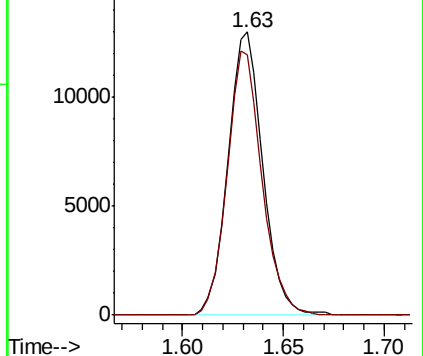
Manual Integrations

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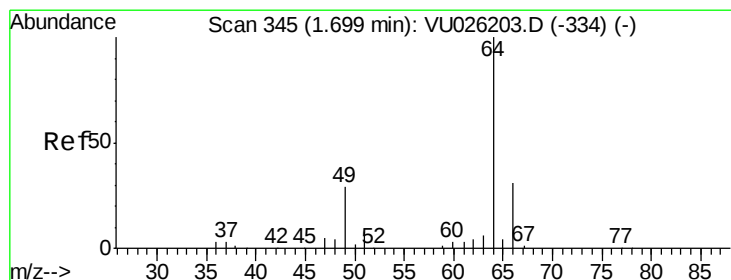
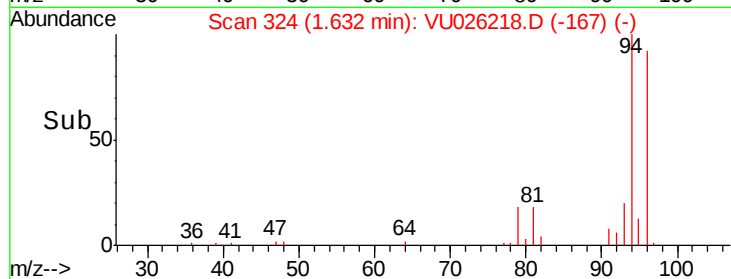
Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



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#6

Chloroethane

Concen: 2.09 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026218.D

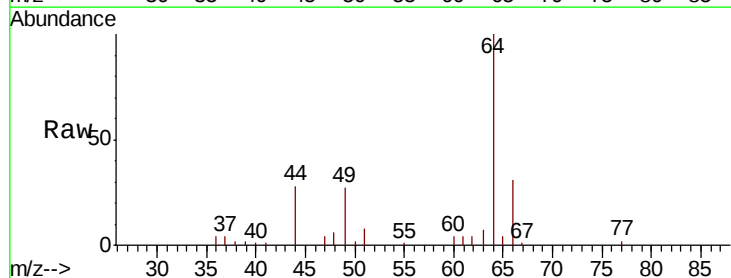
Acq: 20 Aug 2018 19:34

Tgt Ion: 64 Resp: 13676

Ion Ratio Lower Upper

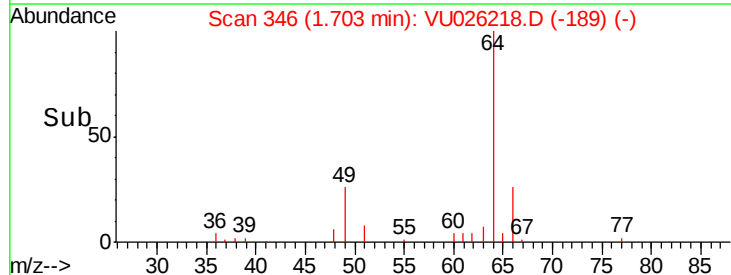
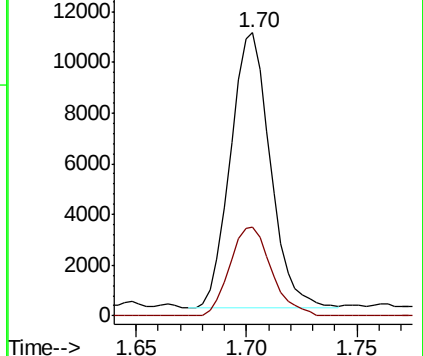
64 100

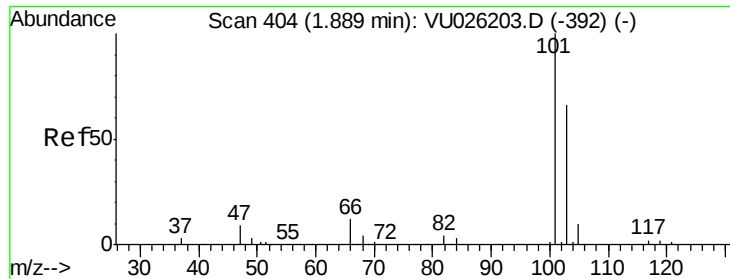
66 32.1 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 2.10 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion:101 Resp: 33842

Ion Ratio Lower Upper

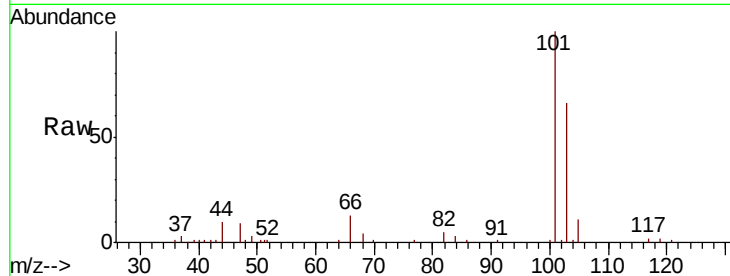
101 100

103 65.6 51.4 77.0

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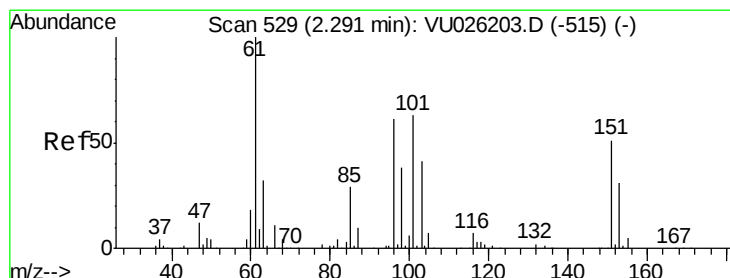
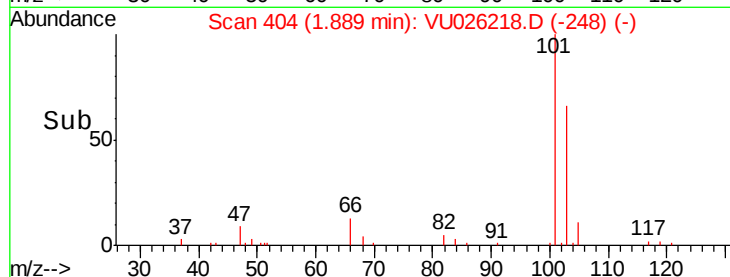
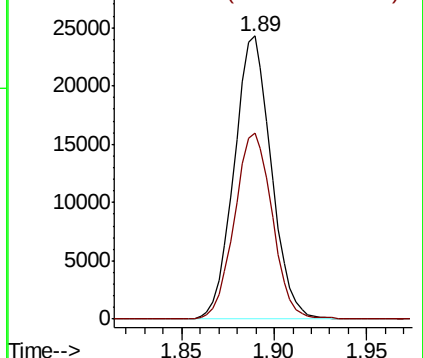
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 2.13 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

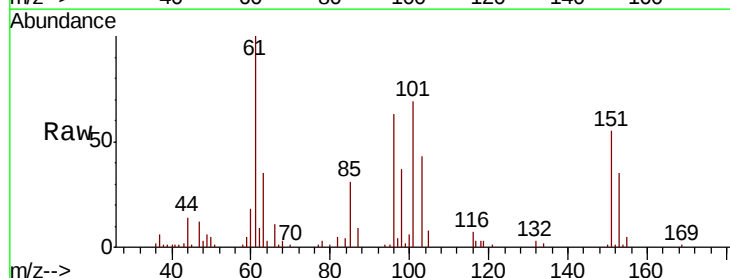
Tgt Ion:101 Resp: 19015

Ion Ratio Lower Upper

101 100

85 45.9 35.2 52.8

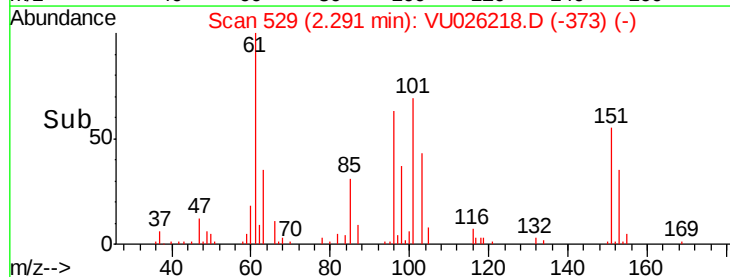
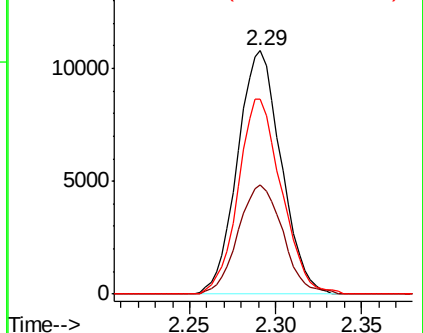
151 79.5 63.5 95.3

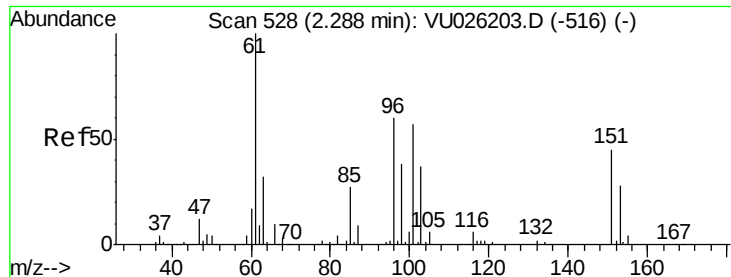


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 2.04 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

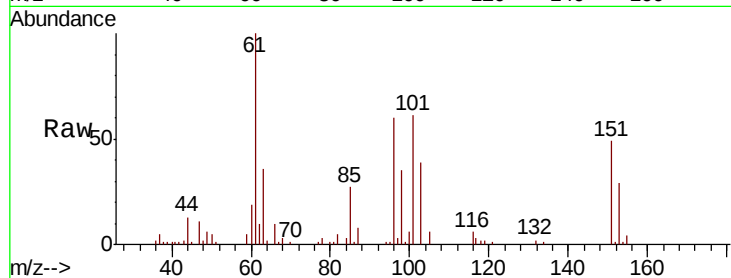
VU0820WBS02

Tot Ion:	96	Resp:	15604
Ion	Ratio	Lower	Upper
96	100		
61	166.7	0.0	526.5
98	58.1	0.0	123.4

Manual Integrations
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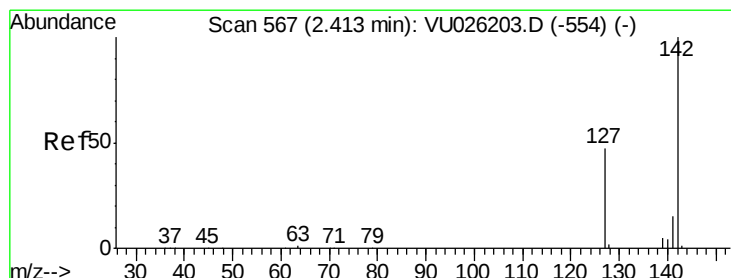
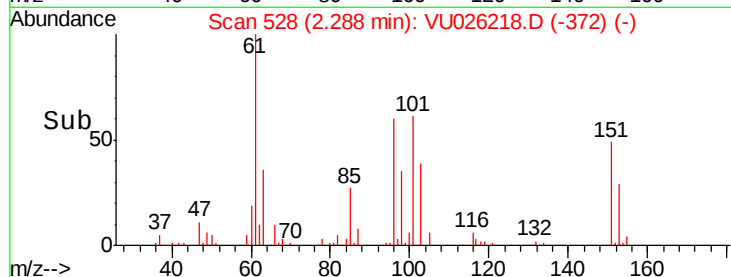
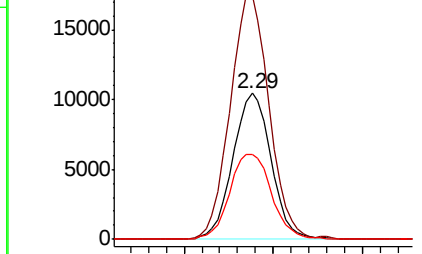
8/21/2018 11:38:53 AM



Abundance Ion 96.00 (95.70 to 96.70): VU026218.D (-372) (-)

Ion 61.00 (60.70 to 61.70): VU026218.D (-372) (-)

Ion 98.00 (97.70 to 98.70): VU026218.D (-372) (-)



#10

Iodomethane

Concen: 1.91 ug/l

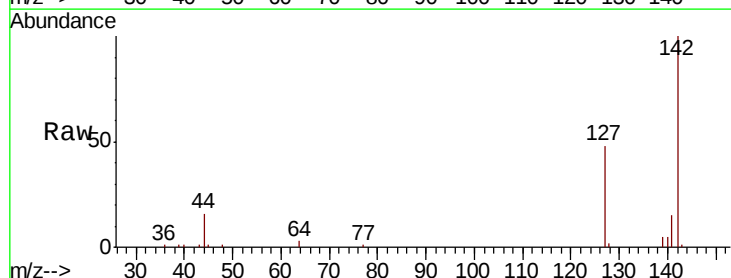
RT: 2.41 min Scan# 567

Delta R.T. 0.00 min

Lab File: VU026218.D

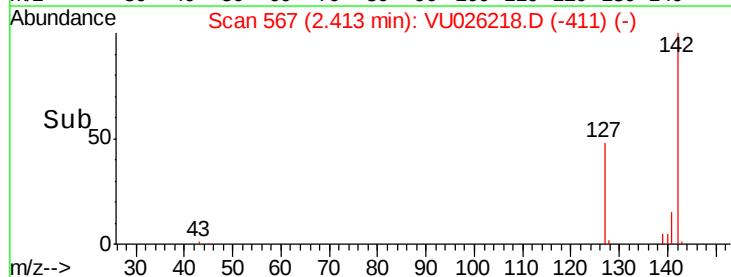
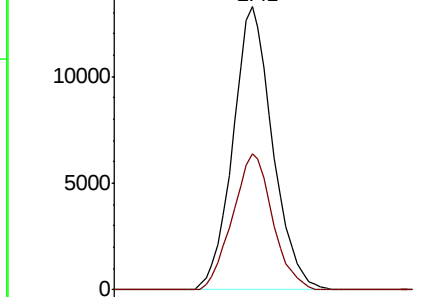
Acq: 20 Aug 2018 19:34

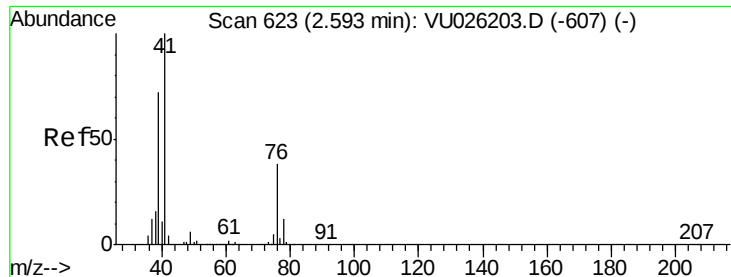
Tgt Ion:	142	Resp:	20513
Ion	Ratio	Lower	Upper
142	100		
127	48.4	34.5	51.7



Abundance Ion 142.00 (141.70 to 142.70): VU026218.D (-411) (-)

Ion 127.00 (126.70 to 127.70): VU026218.D (-411) (-)





#11

Allvl Chloride

Concen: 2.24 ug/l

RT: 2.59 min Scan# 623

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tot Ion: 41 Resp: 28764

Ion Ratio Lower Upper

41 100

39 72.3 51.4 77.2

Instrument :

MSVOA_U

ClientSampleId :

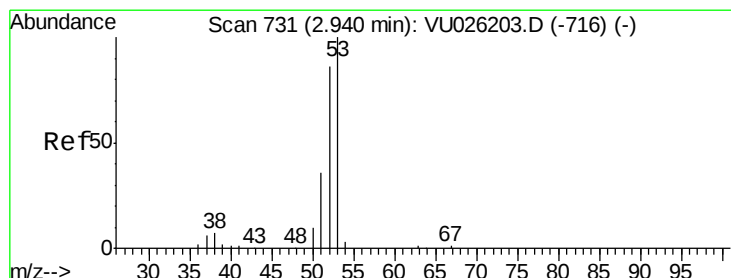
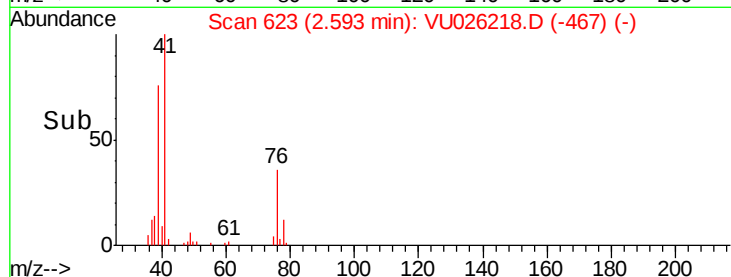
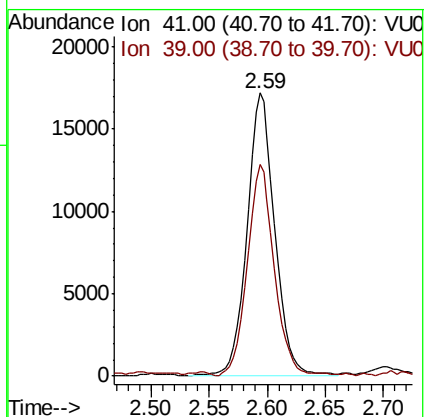
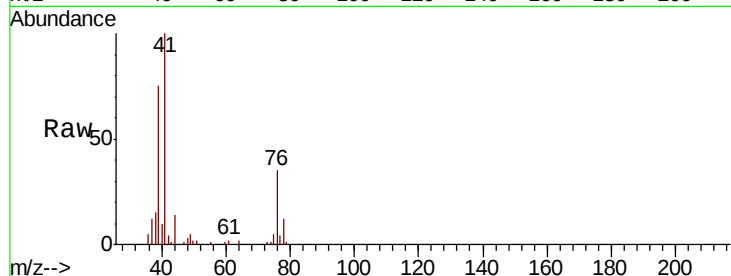
VU0820WBS02

Manual Integrations

APPROVED

MMDadoda

8/21/2018 11:38:53 AM



#12

Acrylonitrile

Concen: 3.95 ug/l

RT: 2.94 min Scan# 731

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

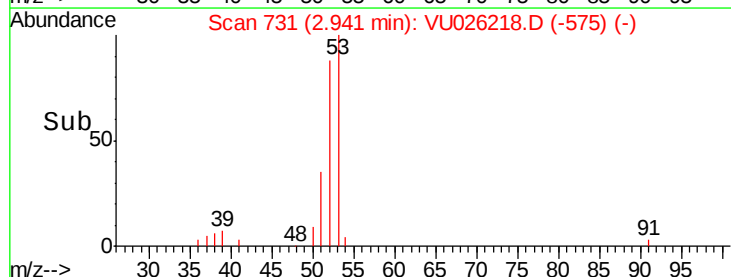
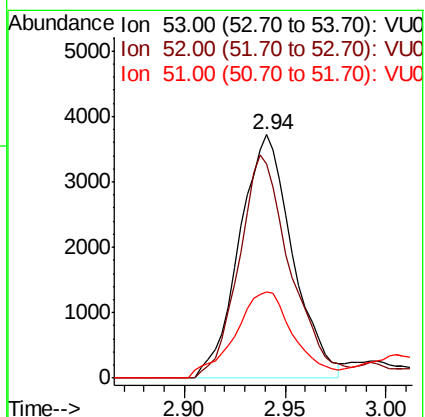
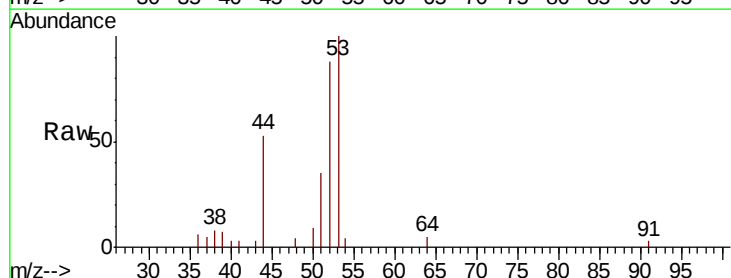
Tgt Ion: 53 Resp: 6840

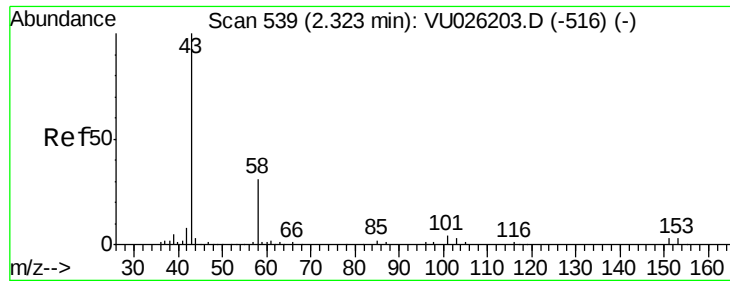
Ion Ratio Lower Upper

53 100

52 88.7 65.1 97.7

51 39.3 30.2 45.4





#13
Acetone
Concen: 9.95 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

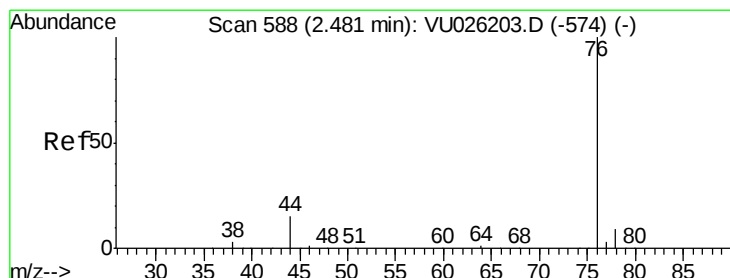
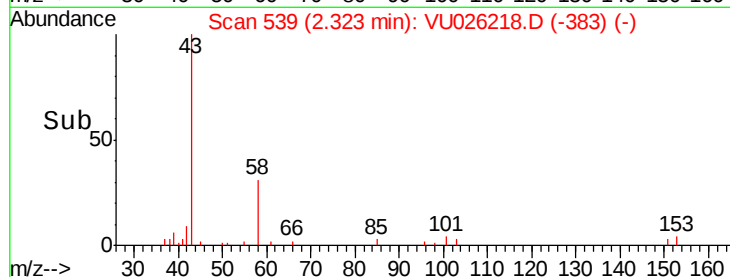
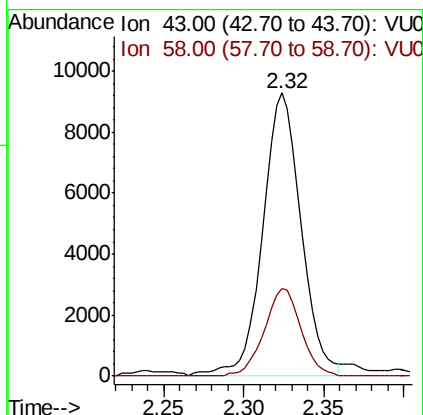
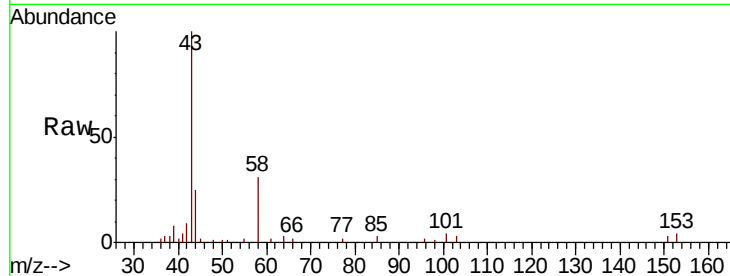
Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	31.0	26.0	39.0	

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Manual Integrations
APPROVED

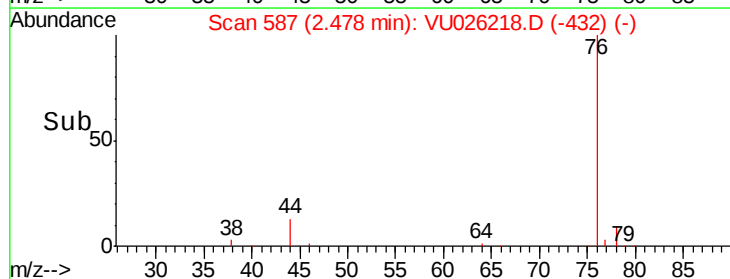
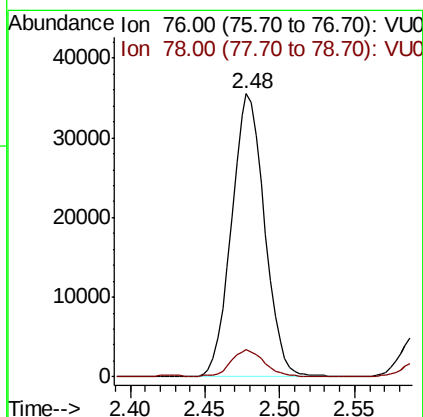
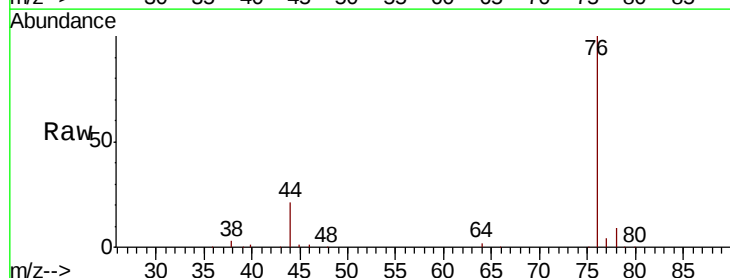
MMDadoda

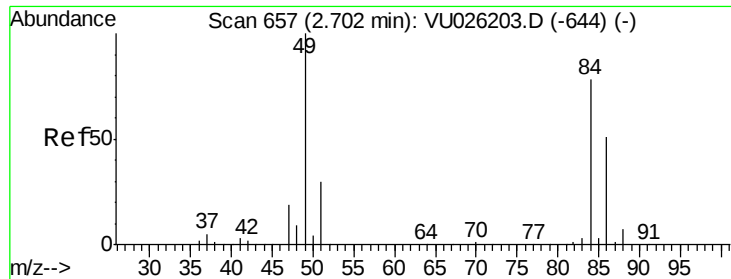
8/21/2018 11:38:53 AM



#14
Carbon Disulfide
Concen: 2.07 ug/l
RT: 2.48 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.5	7.3	10.9	





#15
Methvlene Chloride
Concen: 1.99 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

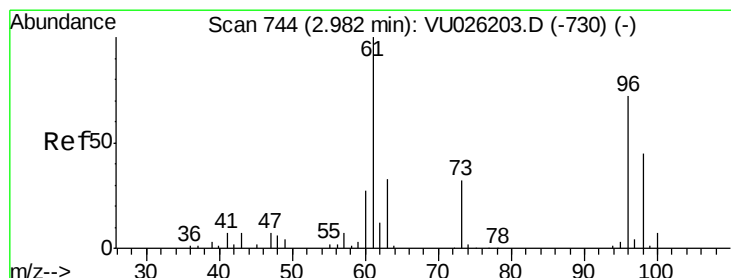
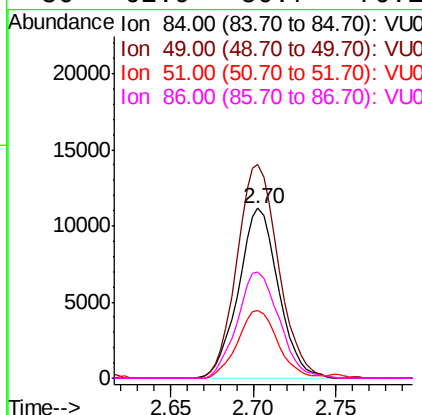
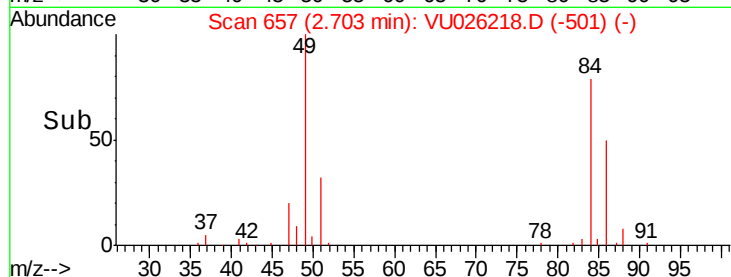
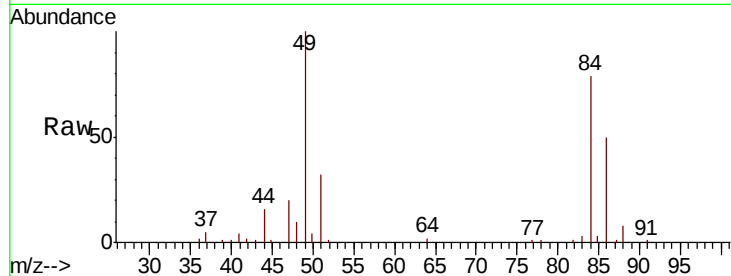
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion:	84	Resp:	18753
Ion	Ratio	Lower	Upper
84	100		
49	125.8	108.7	163.1
51	40.1	0.0	82.4
86	62.9	50.7	76.1

Manual Integrations
APPROVED

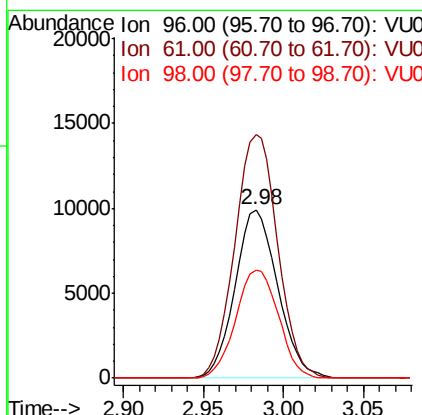
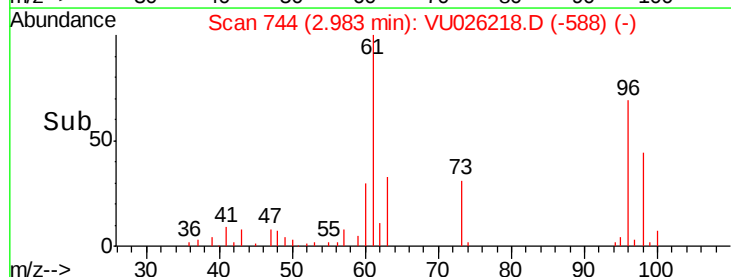
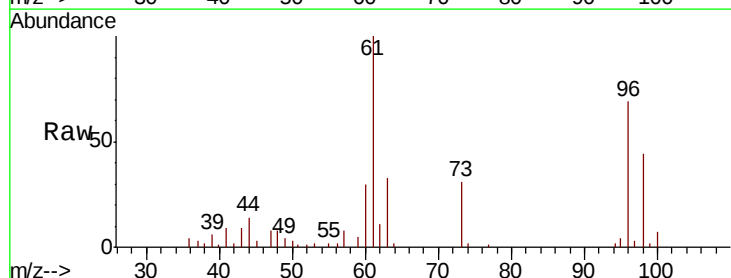
MM Dadoda

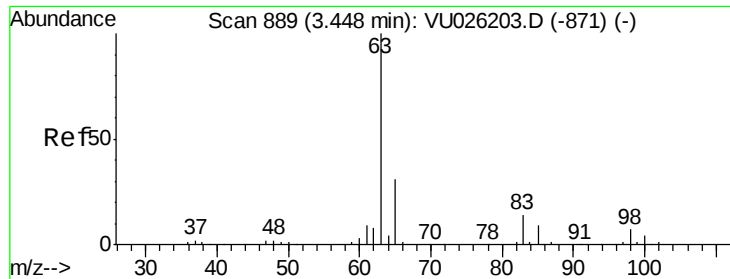
8/21/2018 11:38:53 AM



#16
trans-1,2-Dichloroethene
Concen: 2.04 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:	96	Resp:	18027
Ion	Ratio	Lower	Upper
96	100		
61	144.3	123.9	185.9
98	63.7	50.6	76.0





#17
 1,1-Dichloroethane
 Concen: 2.25 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

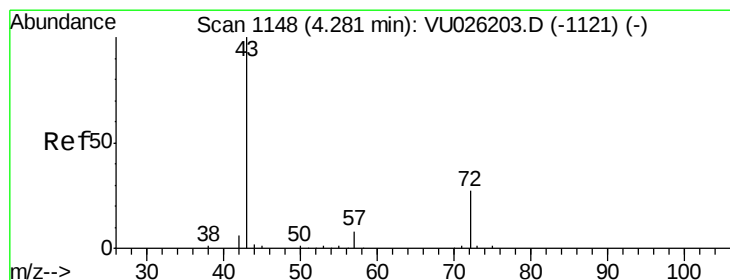
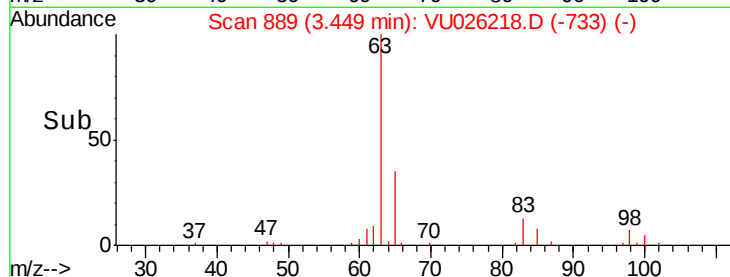
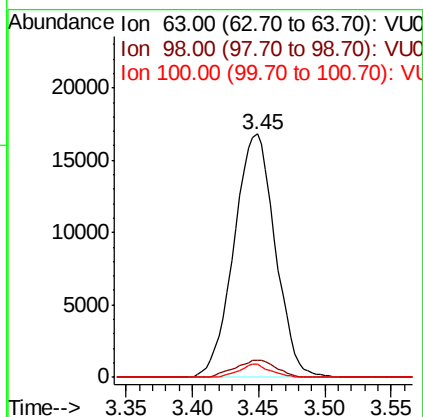
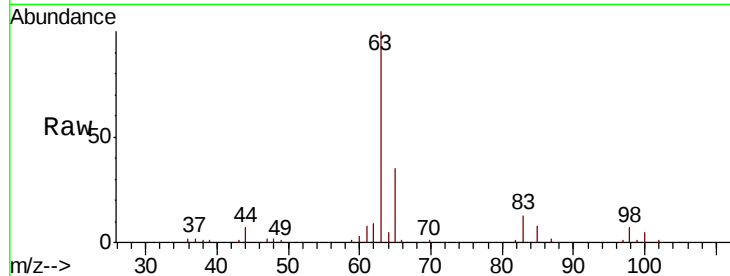
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion:	63	Resp:	36345
Ion Ratio	Lower	Upper	
63	100		
98	7.0	2.9	8.8
100	5.3	2.0	5.8

Manual Integrations
 APPROVED

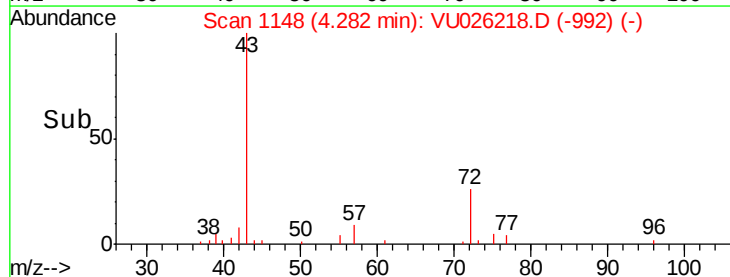
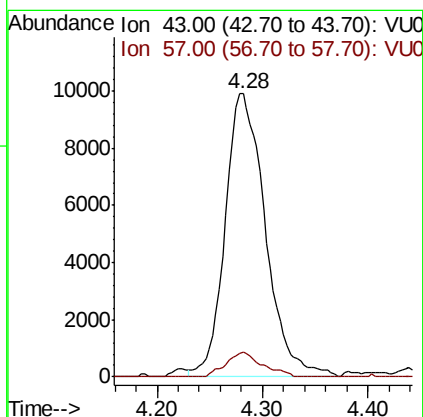
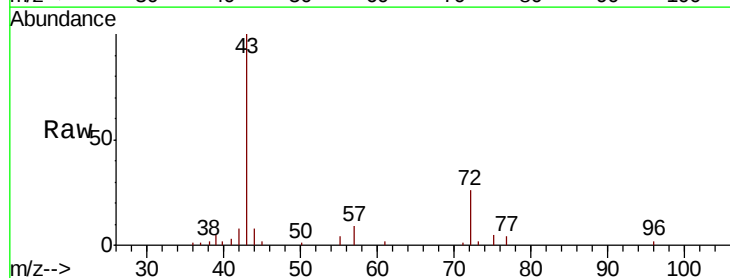
MM Dadoda

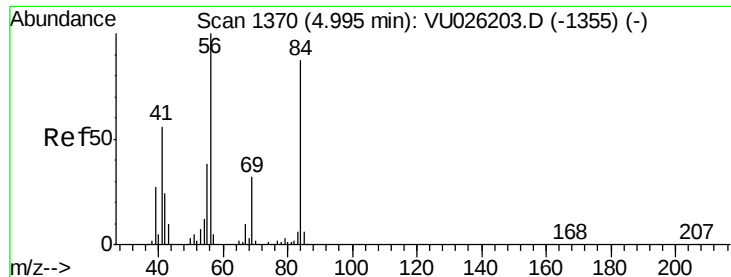
8/21/2018 11:38:53 AM



#18
 2-Butanone
 Concen: 10.60 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:	43	Resp:	26267
Ion Ratio	Lower	Upper	
43	100		
57	8.6	0.0	15.8





#19
Cyclohexane
Concen: 1.97 ug/l
RT: 5.00 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

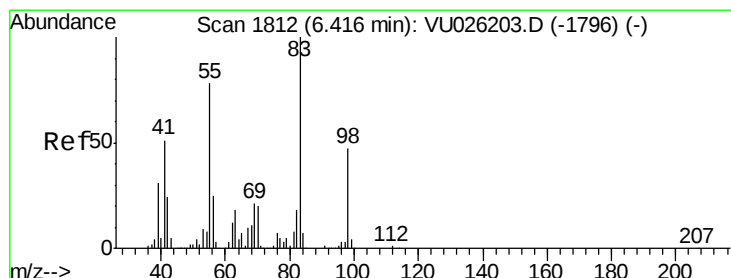
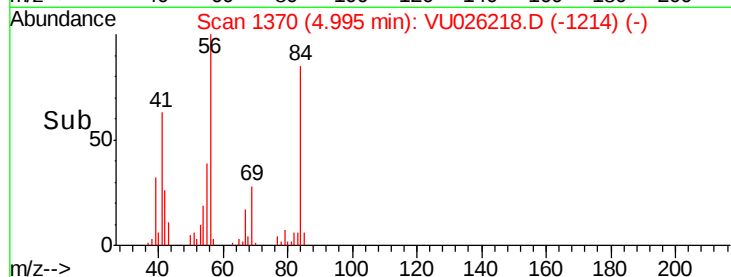
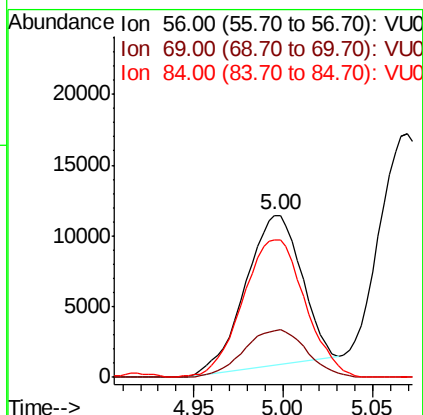
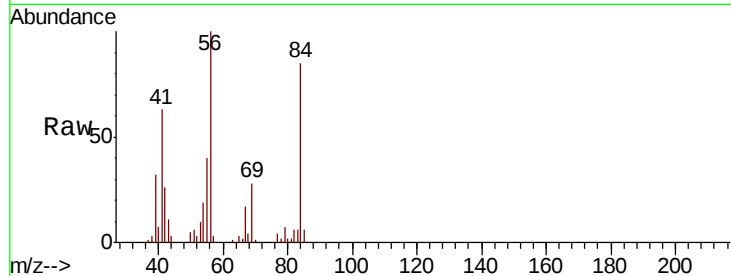
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.3	26.0	39.0
84	101.5	68.3	102.5

Manual Integrations
APPROVED

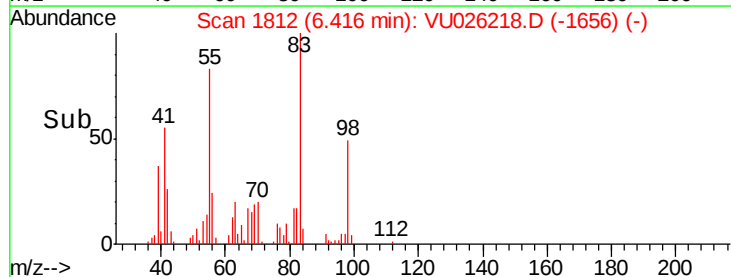
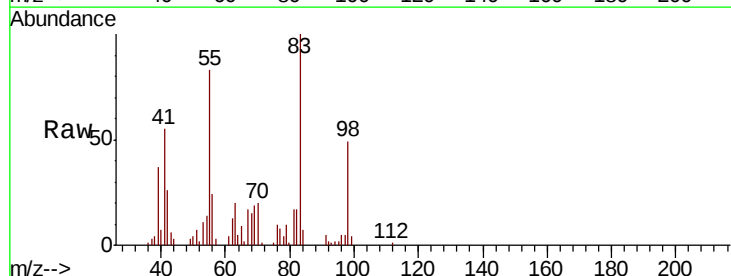
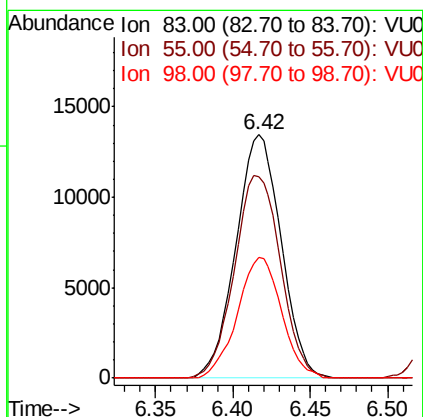
MMDadoda

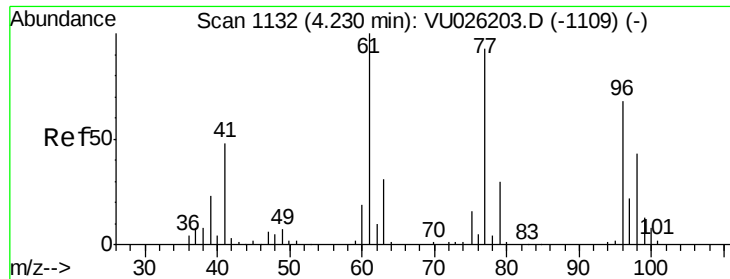
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#20
Methylcyclohexane
Concen: 1.96 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.9	66.4	99.6
98	48.6	35.4	53.2





#21
 2,2-Dichloropropane
 Concen: 1.96 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

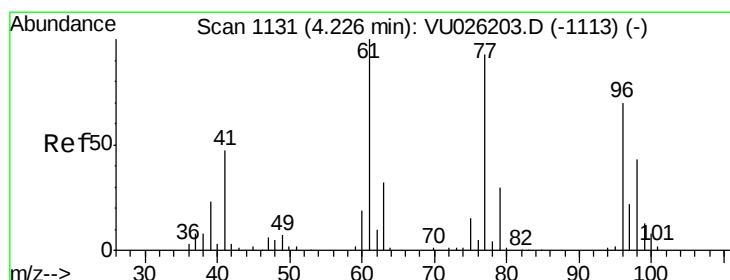
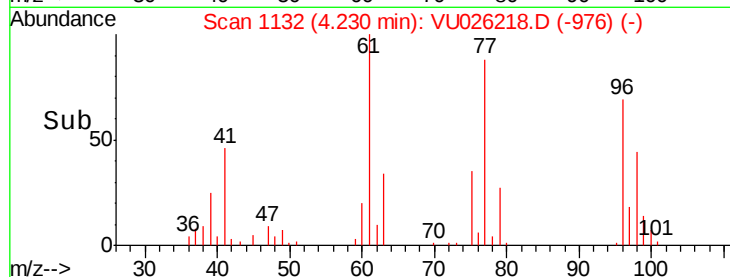
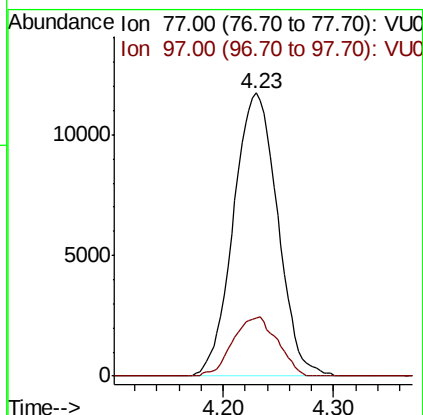
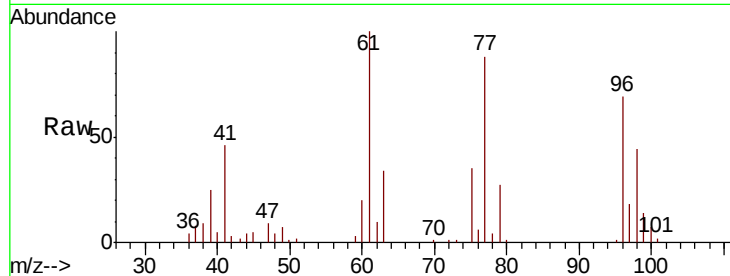
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion: 77 Resp: 32528
 Ion Ratio Lower Upper
 77 100
 97 21.1 17.9 26.9

Manual Integrations
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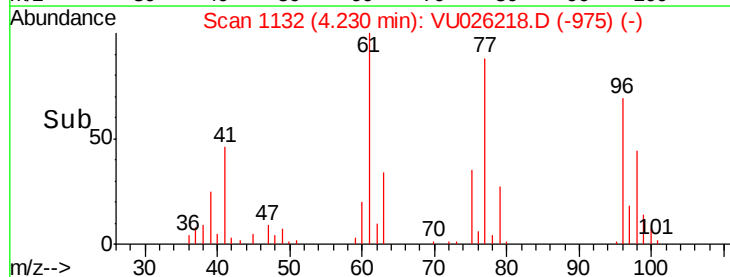
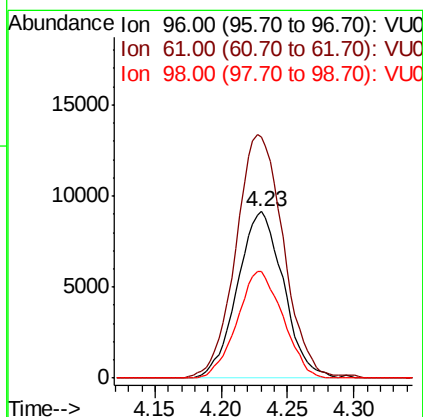
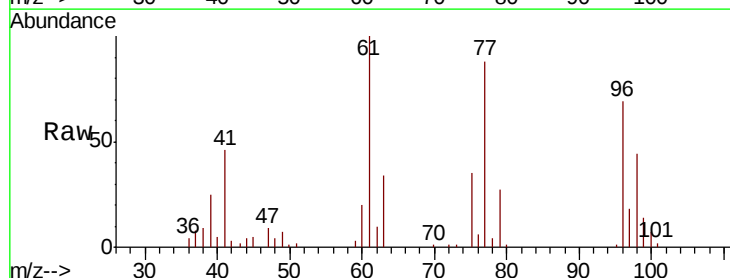
MM Dadoda

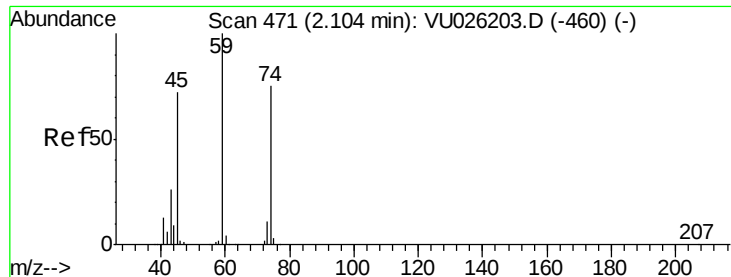
8/21/2018 11:38:53 AM



#22
 cis-1,2-Dichloroethene
 Concen: 2.07 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 96 Resp: 22137
 Ion Ratio Lower Upper
 96 100
 61 150.8 0.0 400.5
 98 63.6 32.2 96.6





#23
Diethyl Ether
Concen: 2.15 ug/l
RT: 2.10 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

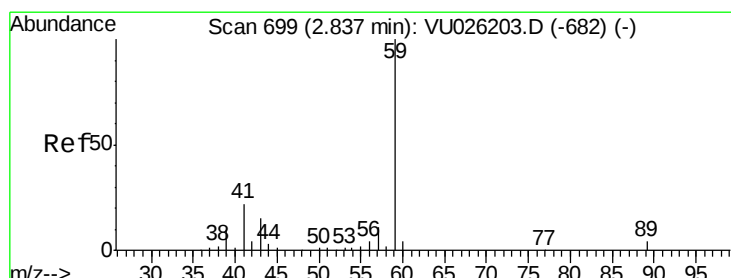
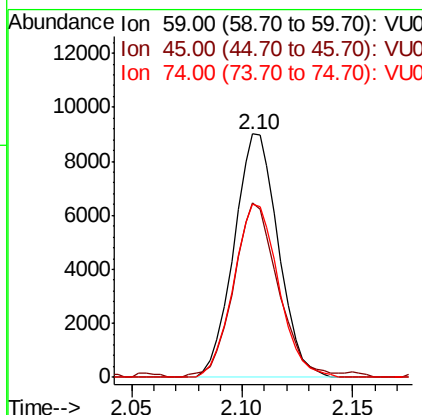
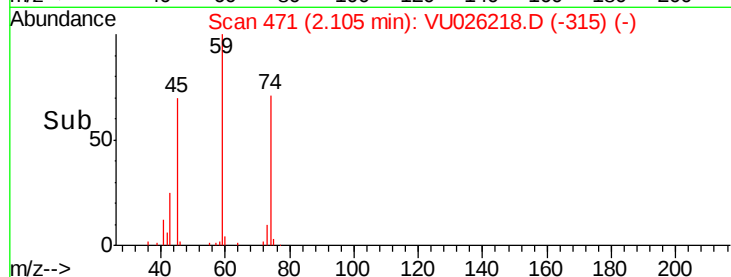
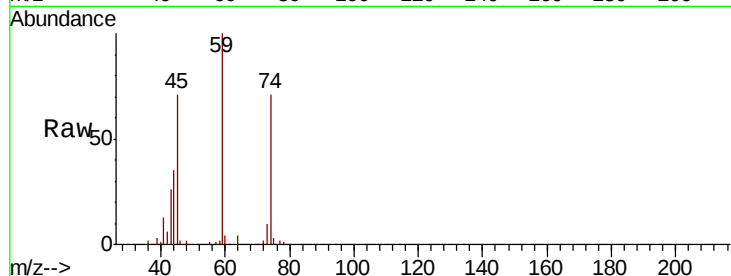
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion:	59	Resp:	12536
Ion	Ratio	Lower	Upper
59	100		
45	72.3	60.0	90.0
74	72.3	56.5	84.7

Manual Integrations
APPROVED

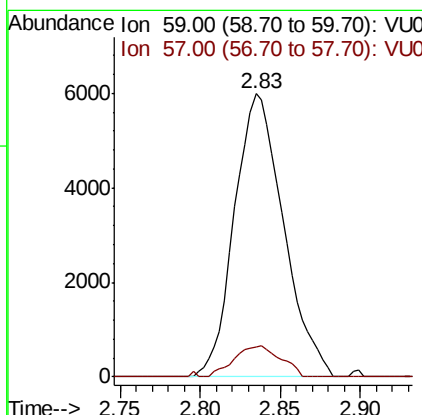
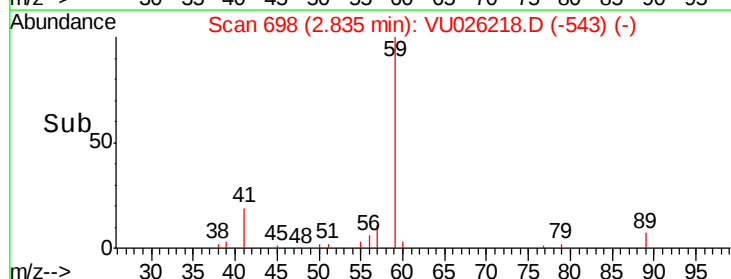
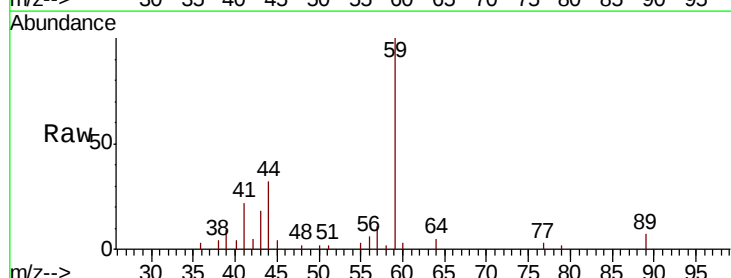
MMMadoda

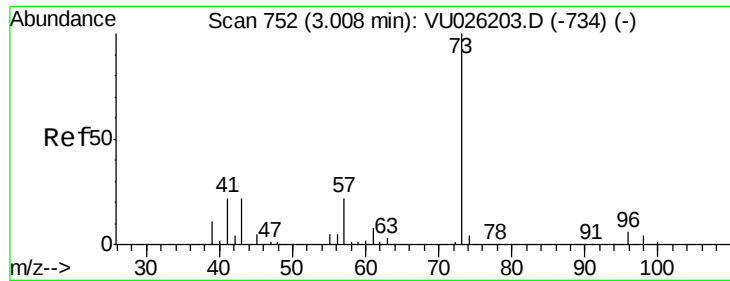
8/21/2018 11:38:53 AM



#24
tert-Butyl Alcohol
Concen: 20.98 ug/l
RT: 2.83 min Scan# 698
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:	59	Resp:	12551
Ion	Ratio	Lower	Upper
59	100		
57	10.4	3.4	5.2#





#25

Methyl tert-Butyl Ether
Concen: 2.10 ug/l
RT: 3.01 min Scan# 751
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

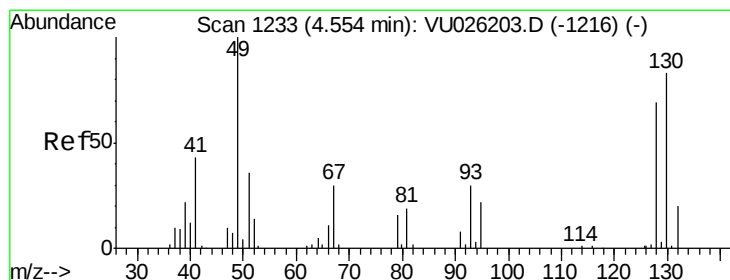
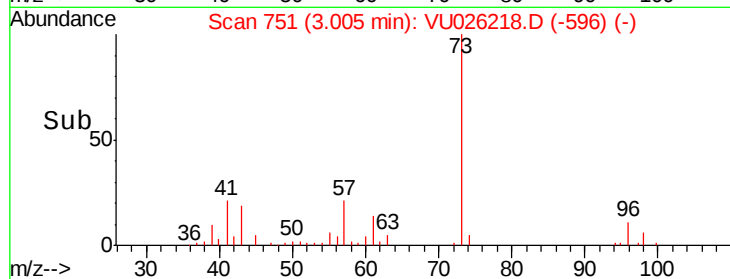
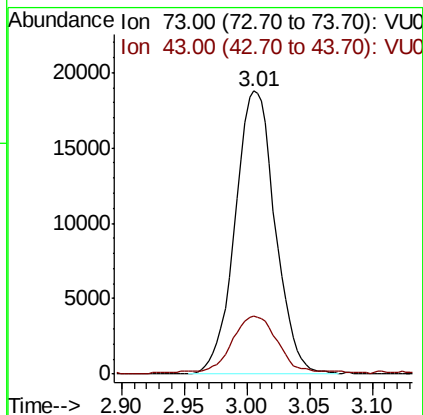
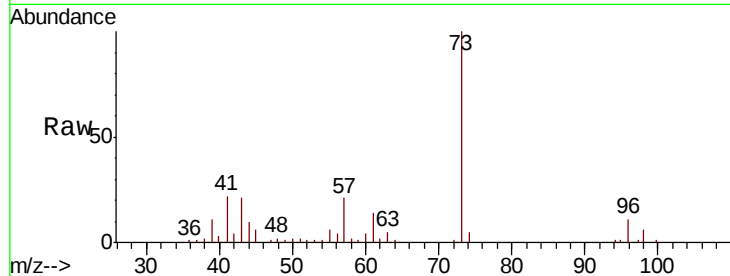
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ion	Ratio	Lower	Upper
73	73	100		
43	43	21.1	16.2	24.2

Manual Integrations
APPROVED

MM Dadoda

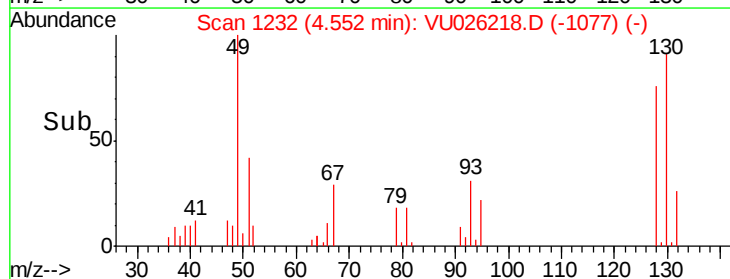
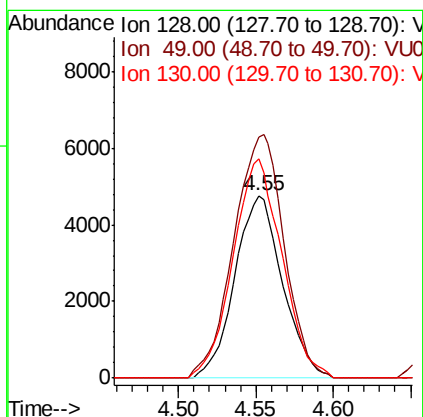
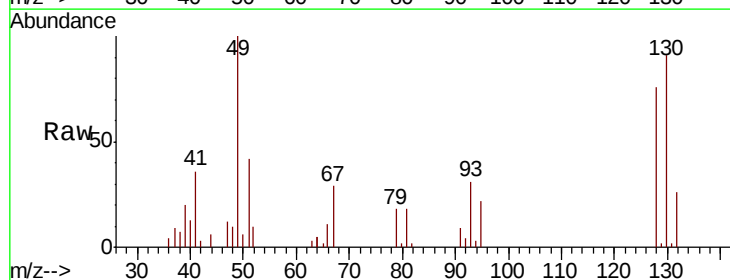
8/21/2018 11:38:53 AM

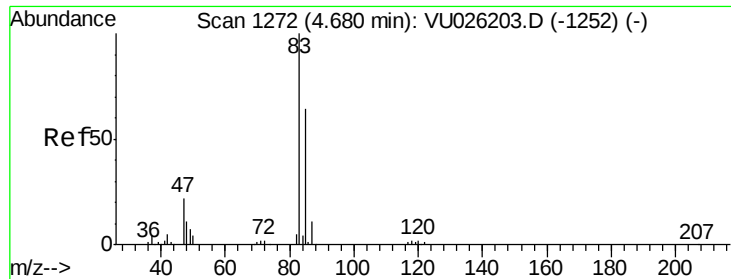


#26

Bromochloromethane
Concen: 2.13 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
128	128	100		
49	49	141.4	0.0	375.2
130	130	123.5	105.8	158.6





#27

Chloroform

Concen: 2.14 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion: 83 Resp: 39892

Ion Ratio Lower Upper

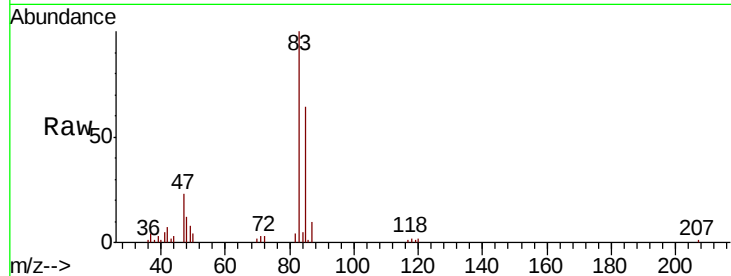
83 100

85 64.2 0.0 128.4

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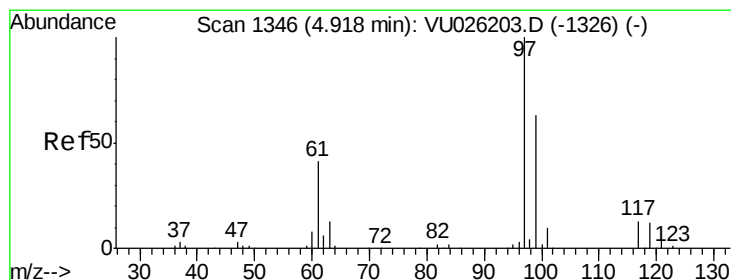
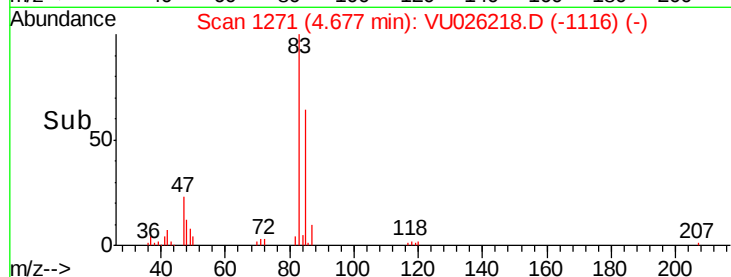
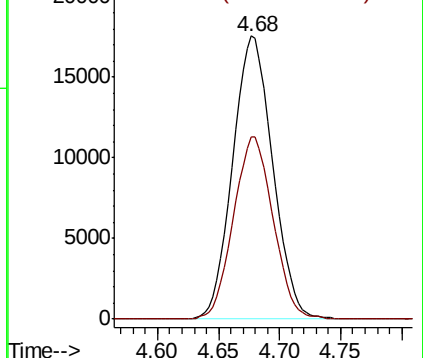
MMMadoda

8/21/2018 11:38:53 AM



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 2.13 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

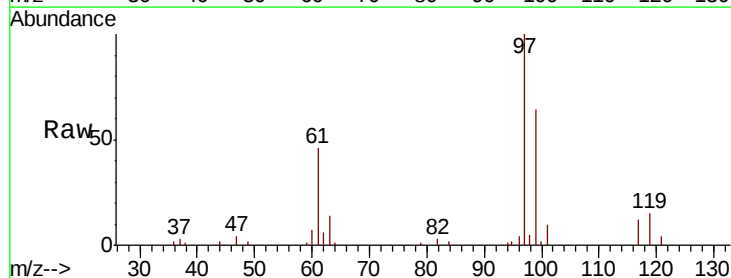
Tgt Ion: 97 Resp: 35432

Ion Ratio Lower Upper

97 100

99 64.2 32.3 96.9

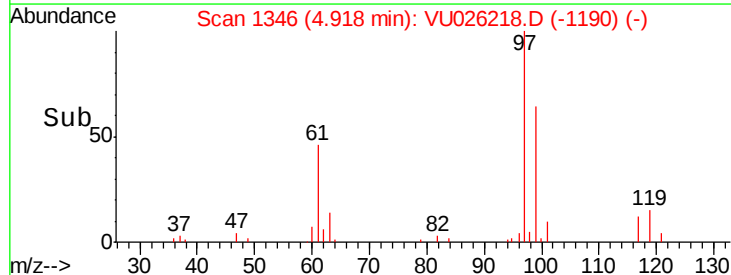
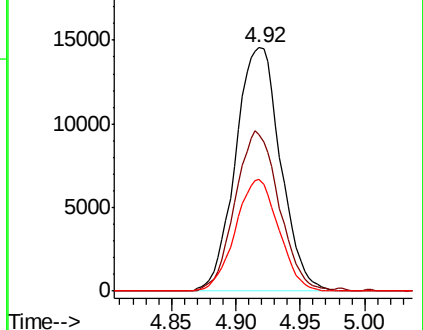
61 44.1 23.2 69.5

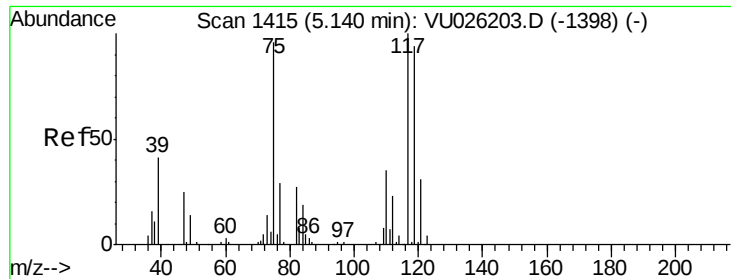


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29
 1,1-Dichloropropene
 Concen: 2.02 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

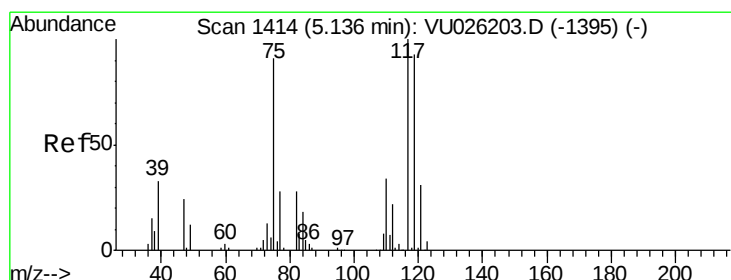
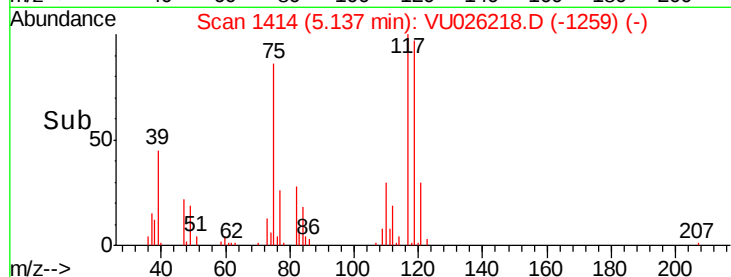
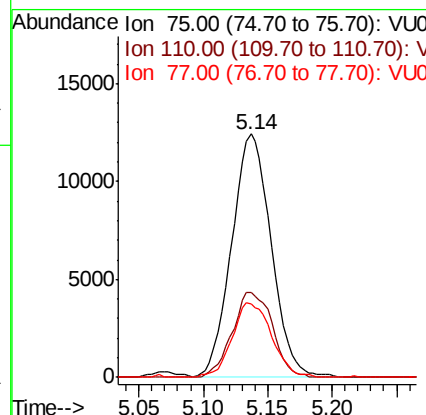
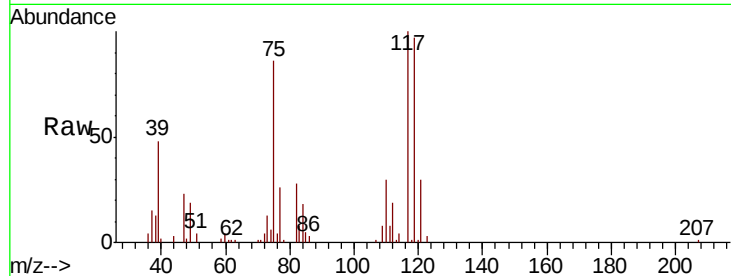
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
110	35.5	16.9	50.7
77	30.6	24.8	37.2

Manual Integrations
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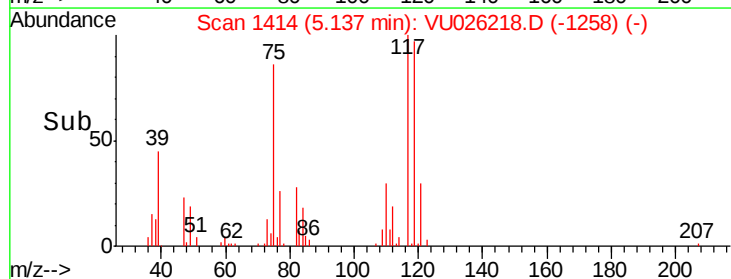
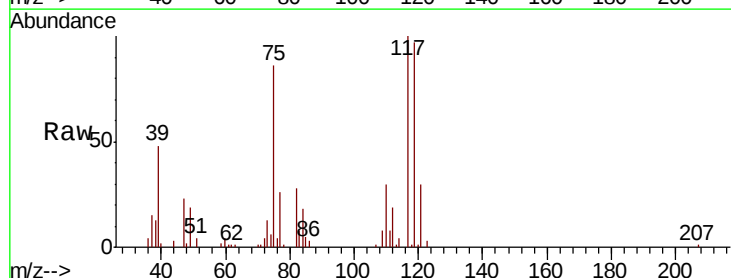
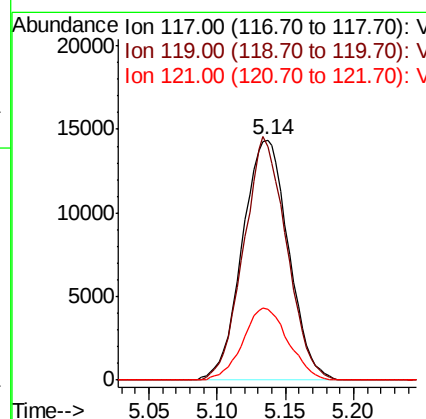
MM Dadoda

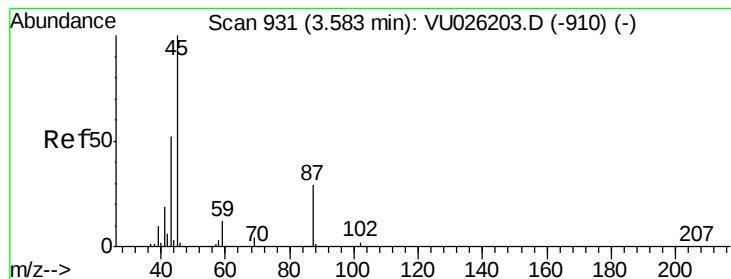
8/21/2018 11:38:53 AM



#30
 Carbon Tetrachloride
 Concen: 2.15 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.3	115.9
121	29.7	24.5	36.7





#31

Isopropyl Ether

Concen: 2.04 ug/l

RT: 3.58 min Scan# 930

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tot Ion: 45 Resp: 54319

Ion Ratio Lower Upper

45 100

43 53.6 24.0 72.0

Instrument :

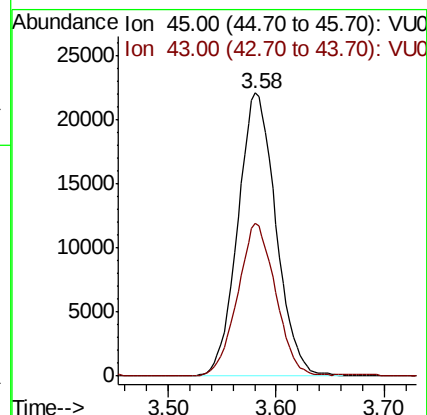
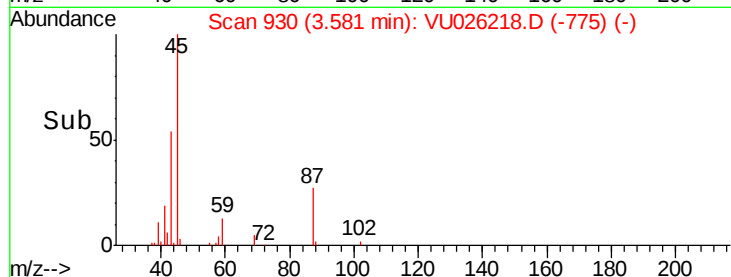
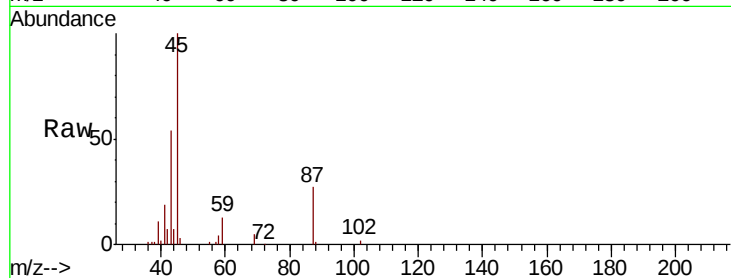
MSVOA_U

ClientSampleId :

VU0820WBS02

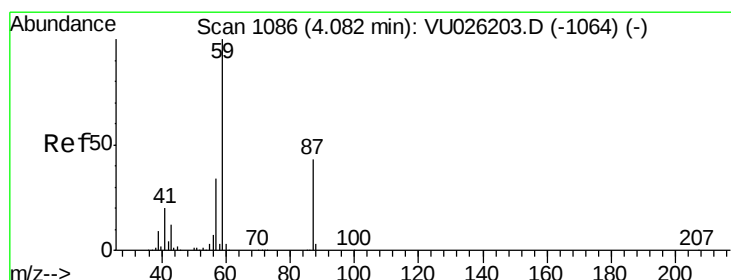
Manual Integrations

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#32

Ethyl-t-butyl ether

Concen: 1.97 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026218.D

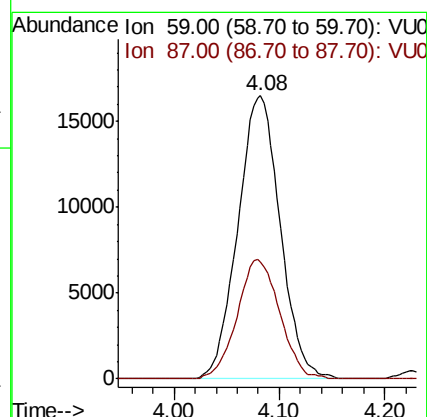
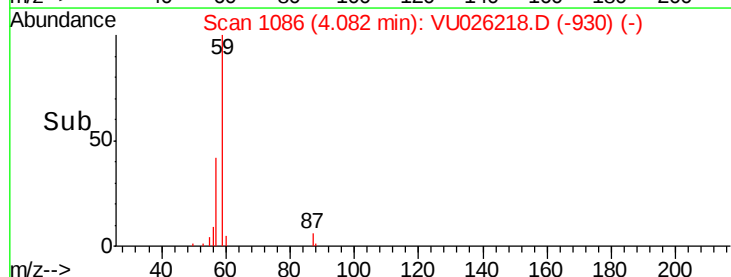
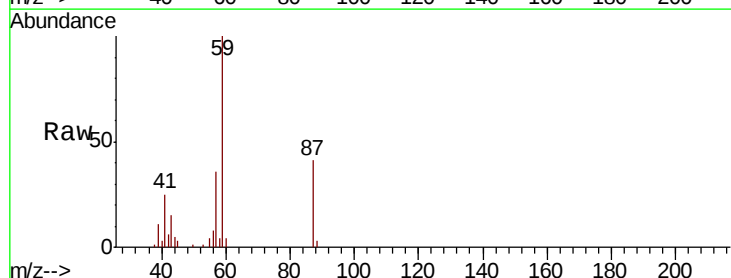
Acq: 20 Aug 2018 19:34

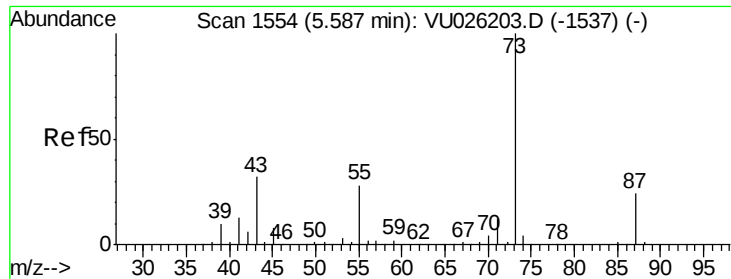
Tgt Ion: 59 Resp: 45955

Ion Ratio Lower Upper

59 100

87 42.5 31.0 46.6





#33
Tert-Butyl methyl ether
Concen: 2.00 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

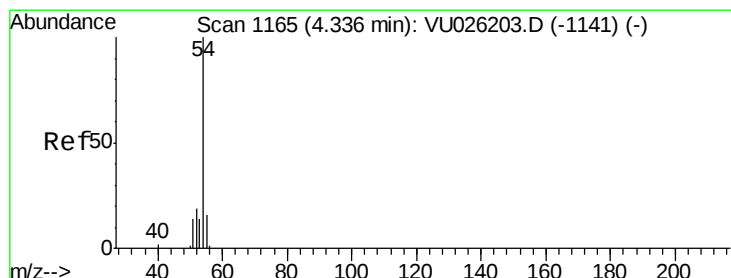
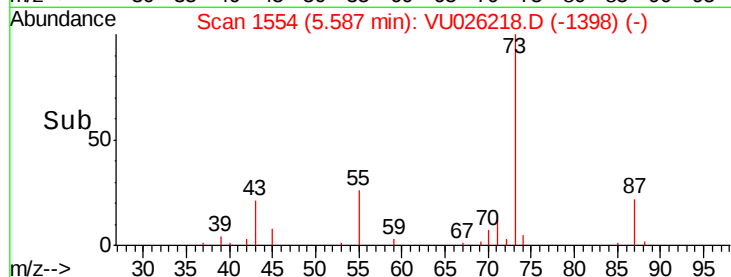
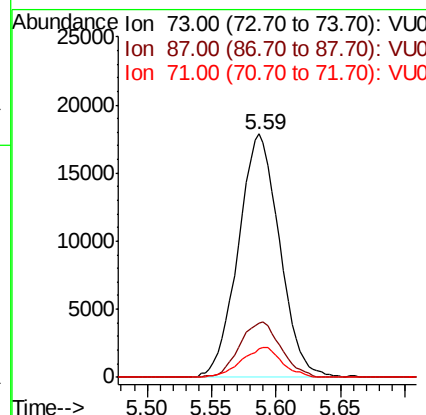
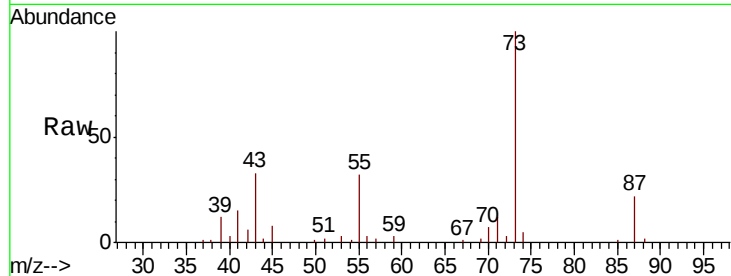
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion:	73	Resp:	39848
Ion	Ratio	Lower	Upper
73	100		
87	22.7	18.6	28.0
71	11.9	9.3	13.9

Manual Integrations
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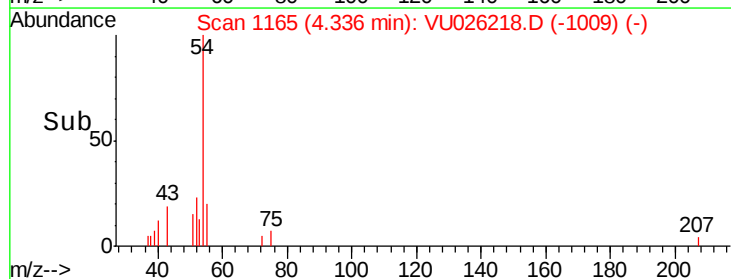
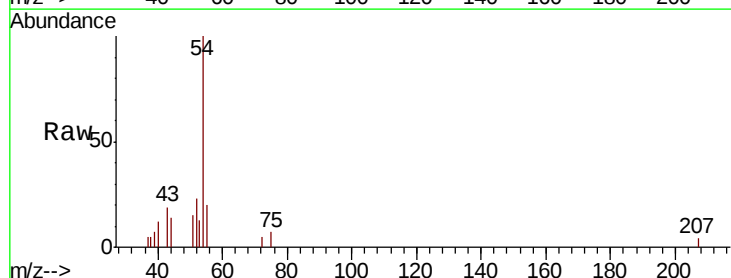
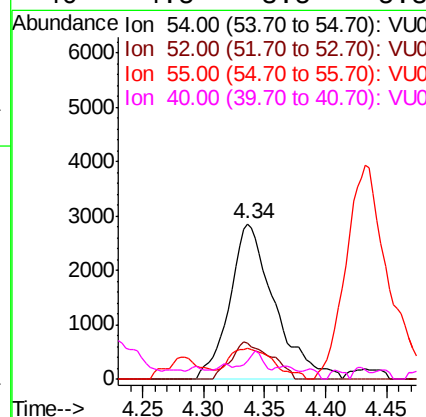
MMMadoda

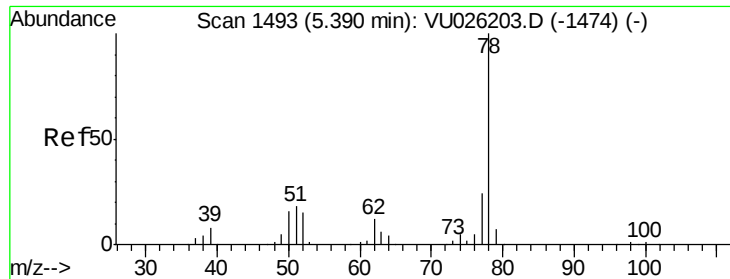
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#34
Propionitrile
Concen: 10.28 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:	54	Resp:	7250
Ion	Ratio	Lower	Upper
54	100		
52	21.2	13.7	20.5#
55	19.9	10.2	15.2#
40	4.5	3.5	5.3





#35

Benzene

Concen: 2.09 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion: 78 Resp: 79175

Ion Ratio Lower Upper

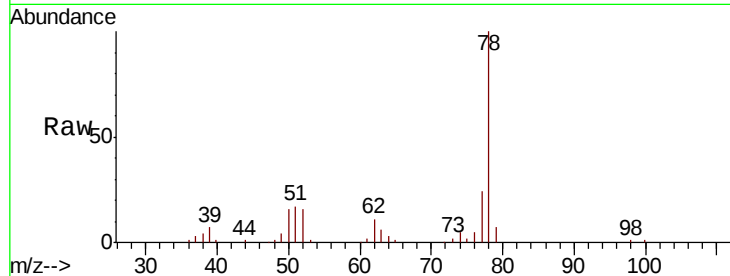
78 100

77 24.2 19.1 28.7

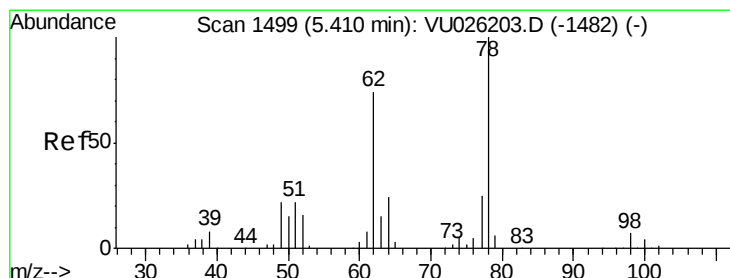
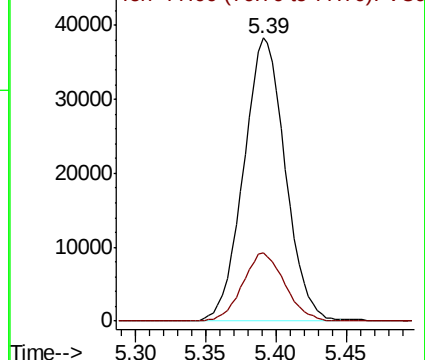
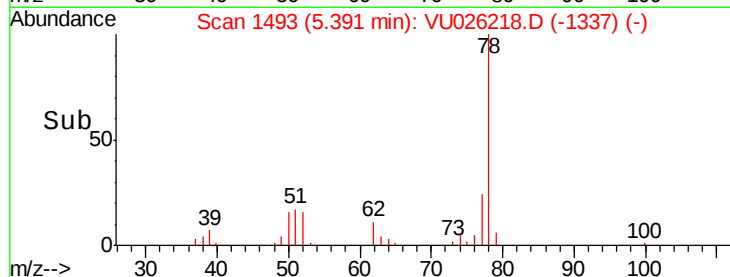
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Abundance Ion 78.10 (77.80 to 78.80): VU026218.D (-1337) (-)



#36

1,2-Dichloroethane

Concen: 2.13 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026218.D

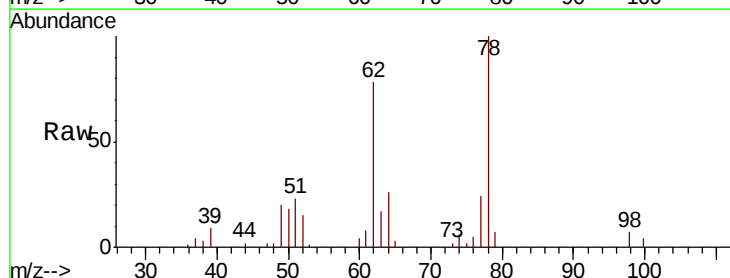
Acq: 20 Aug 2018 19:34

Tgt Ion: 62 Resp: 25041

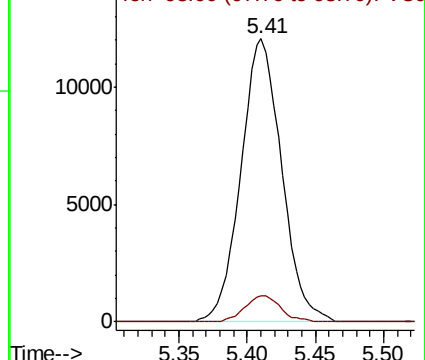
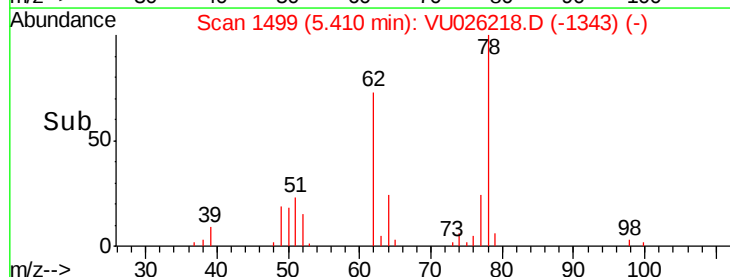
Ion Ratio Lower Upper

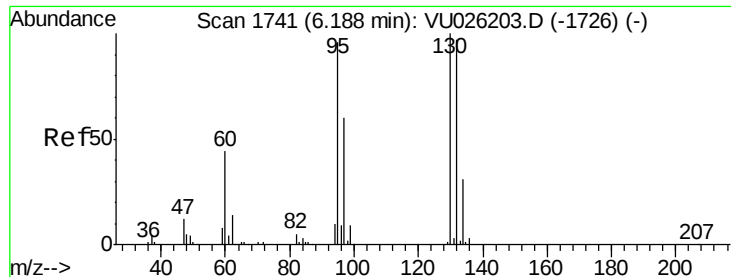
62 100

98 8.1 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026218.D (-1343) (-)





#37

Trichloroethene

Concen: 2.05 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion:130 Resp: 21820

Ion Ratio Lower Upper

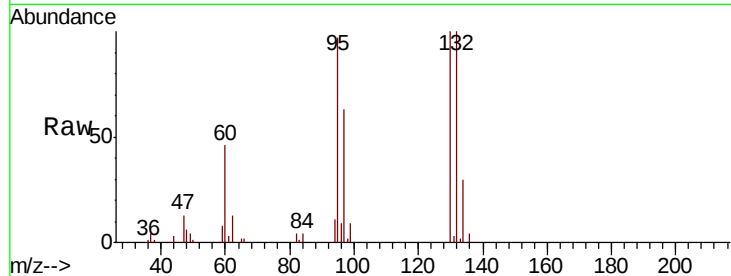
130 100

95 97.1 77.9 116.9

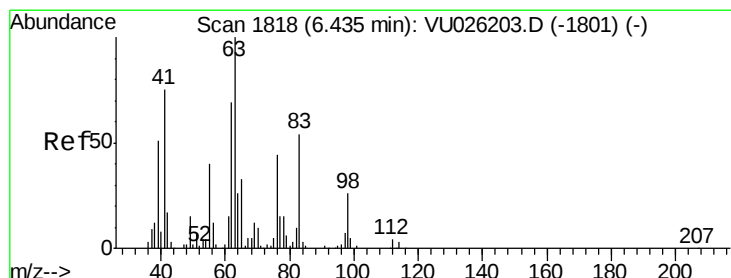
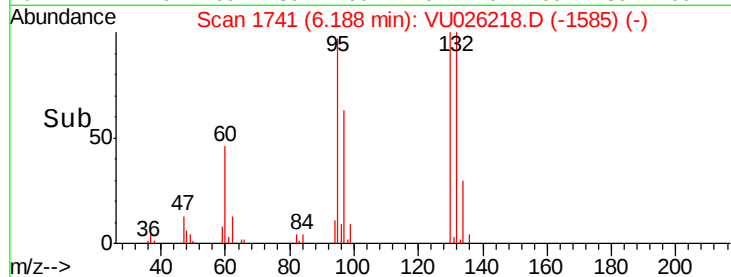
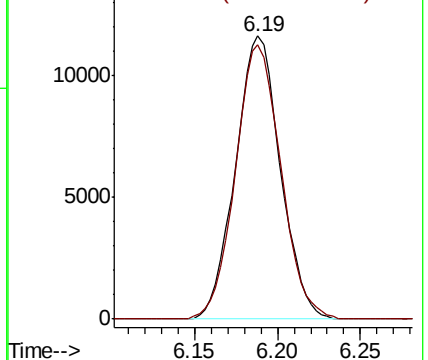
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Abundance Ion 129.90 (129.60 to 130.60): VU026218.D (-1585) (-)



#38

1,2-Dichloropropane

Concen: 2.07 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026218.D

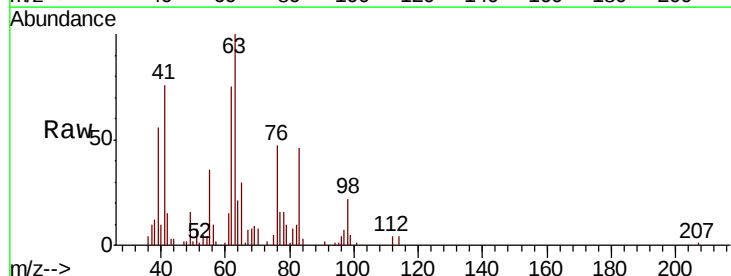
Acq: 20 Aug 2018 19:34

Tgt Ion: 63 Resp: 20277

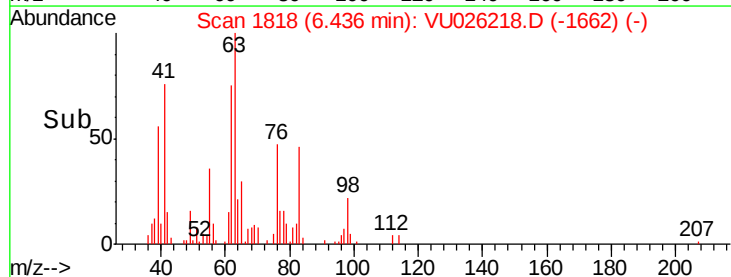
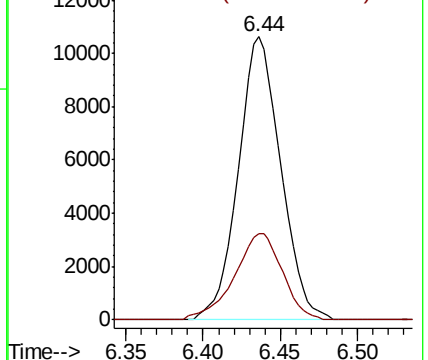
Ion Ratio Lower Upper

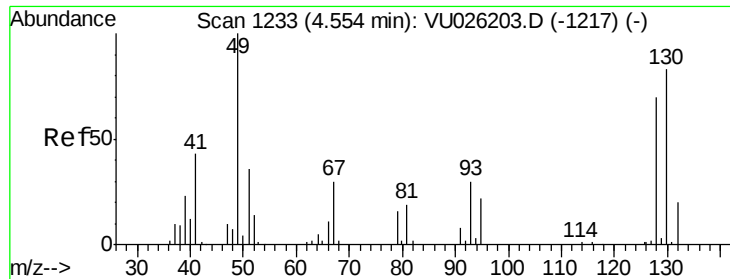
63 100

65 30.5 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026218.D (-1662) (-)





#39
Methacrylonitrile
Concen: 2.07 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

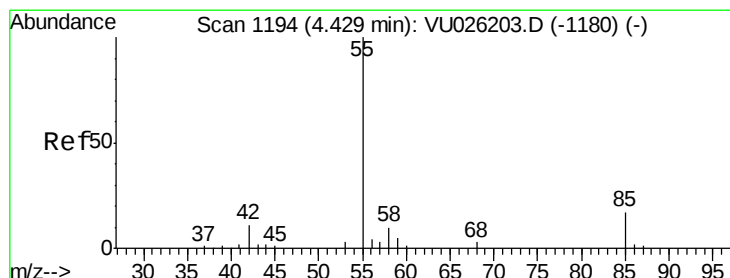
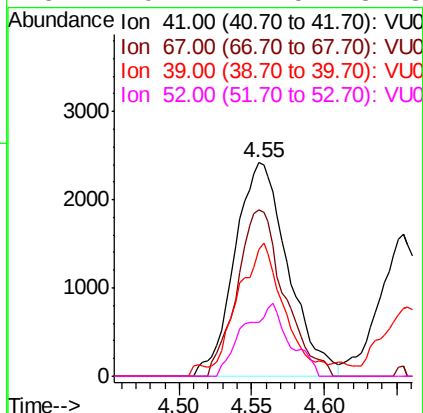
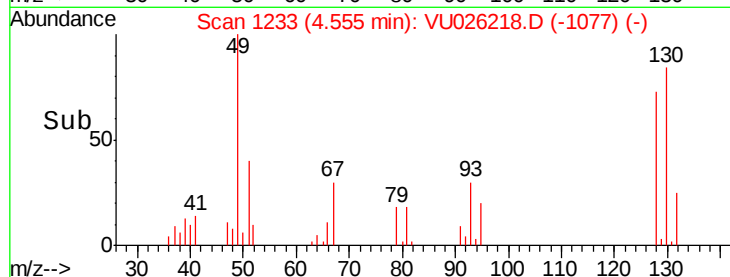
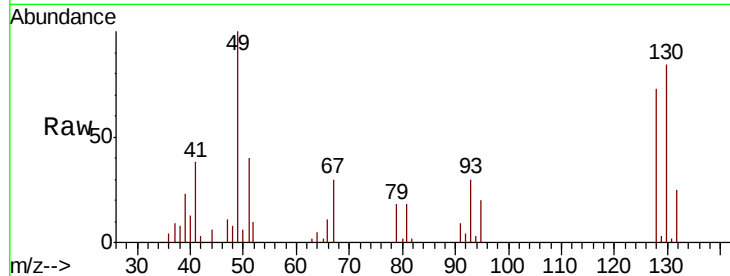
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
67	69.0	51.3	76.9
39	46.1	40.6	60.8
52	29.4	21.5	32.3

Manual Integrations
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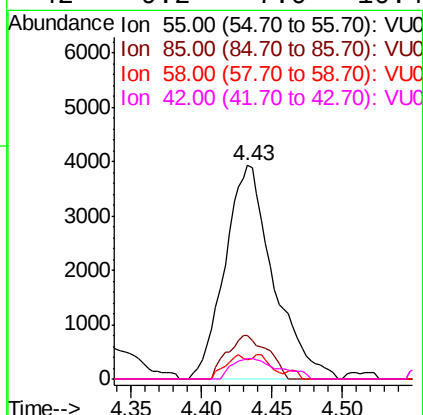
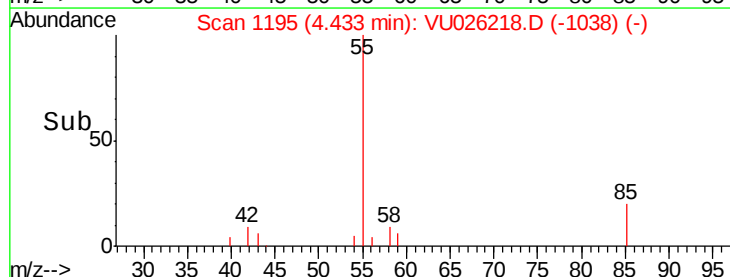
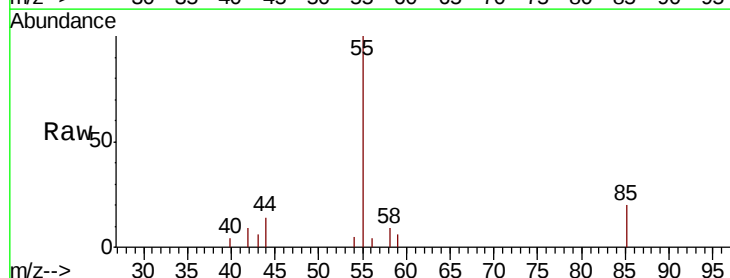
MMMadoda

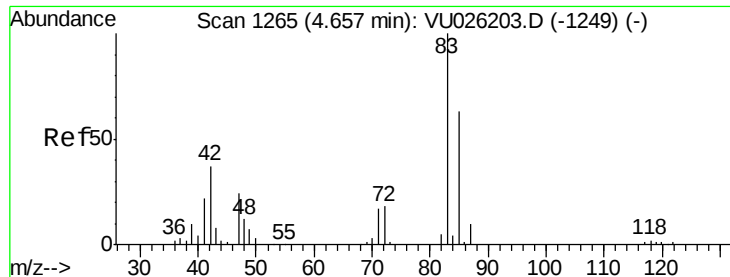
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#40
Methyl acrylate
Concen: 2.08 ug/l
RT: 4.43 min Scan# 1195
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
55	100		
85	17.1	12.3	18.5
58	5.1	7.0	10.6
42	9.2	7.0	10.4





#41
Tetrahydrofuran
Concen: 3.74 ug/l
RT: 4.65 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

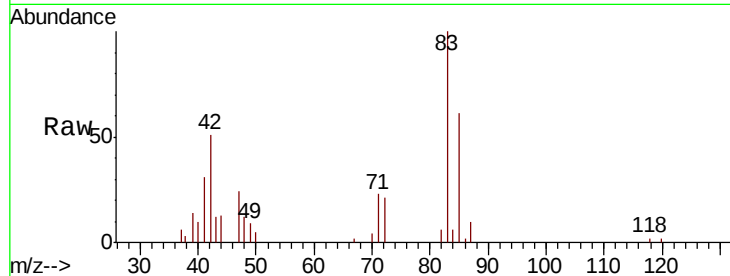
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion:	42	Resp:	6189
Ion	Ratio	Lower	Upper
42	100		
72	49.4	33.2	49.8
71	39.3	29.8	44.8

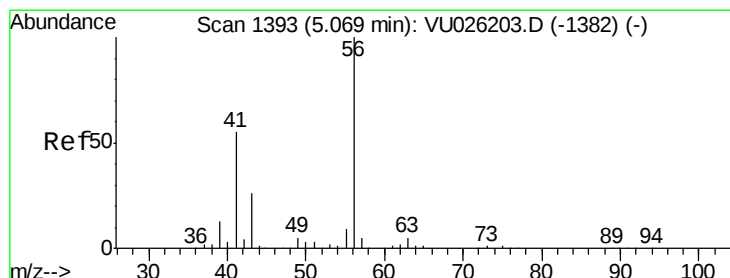
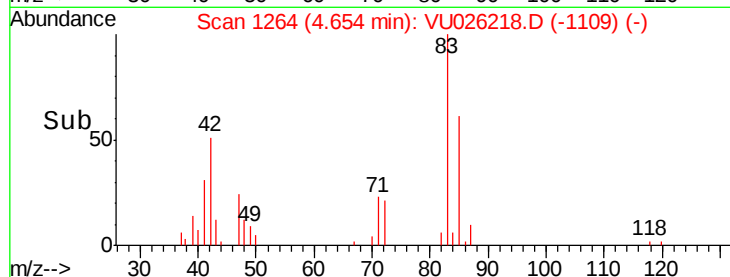
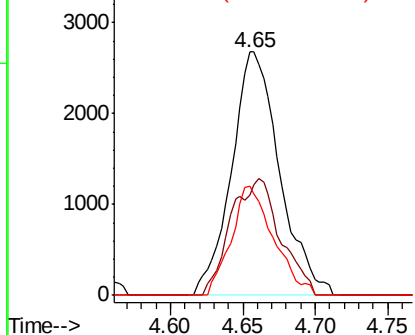
Manual Integrations
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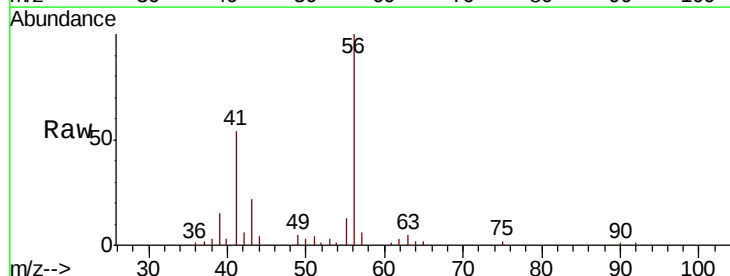


Abundance Ion 42.00 (41.70 to 42.70): VU0
Ion 72.00 (71.70 to 72.70): VU0
Ion 71.00 (70.70 to 71.70): VU0

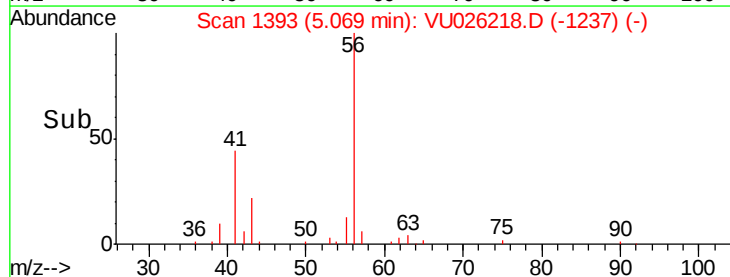
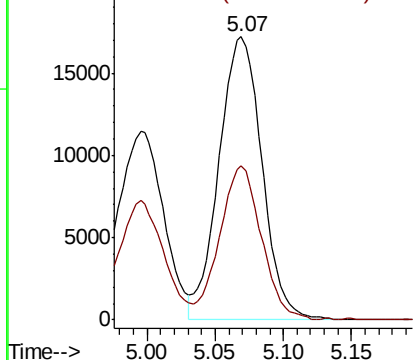


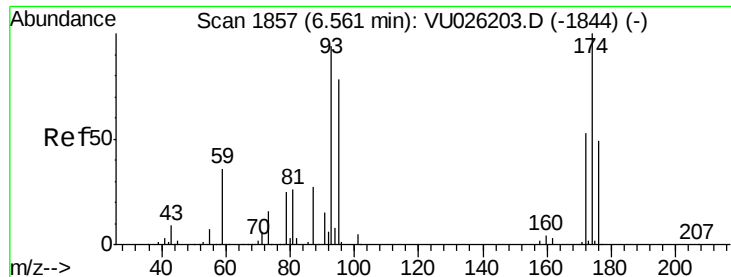
#42
1-Chlorobutane
Concen: 2.13 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion:	56	Resp:	37718
Ion	Ratio	Lower	Upper
56	100		
41	52.6	27.5	82.5



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 41.00 (40.70 to 41.70): VU0





#43

Dibromomethane

Concen: 2.17 ug/l

RT: 6.56 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

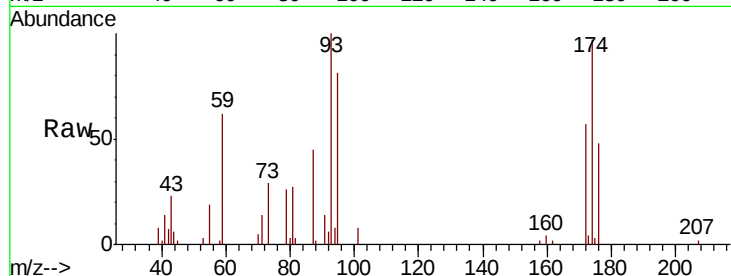
VU0820WBS02

Tot Ion:	93	Resp:	11318
Ion	Ratio	Lower	Upper
93	100		
95	77.9	67.2	100.8
174	102.7	82.8	124.2

Manual Integrations
APPROVED

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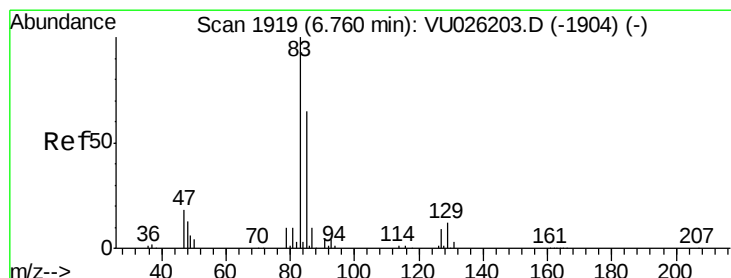
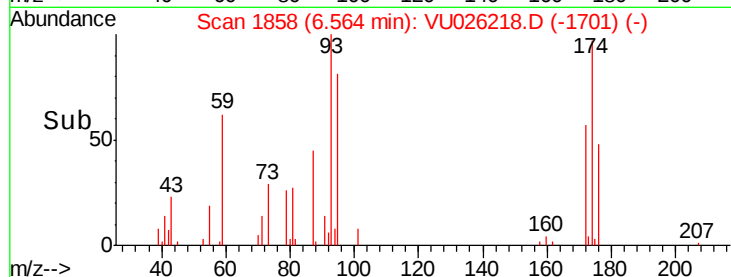
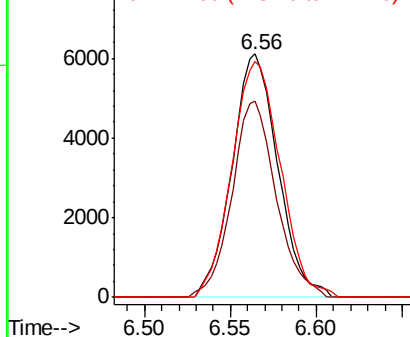


Abundance

Ion 93.00 (92.70 to 93.70): VU0

Ion 95.00 (94.70 to 95.70): VU0

Ion 174.00 (173.70 to 174.70): V



#44

Bromodichloromethane

Concen: 2.10 ug/l

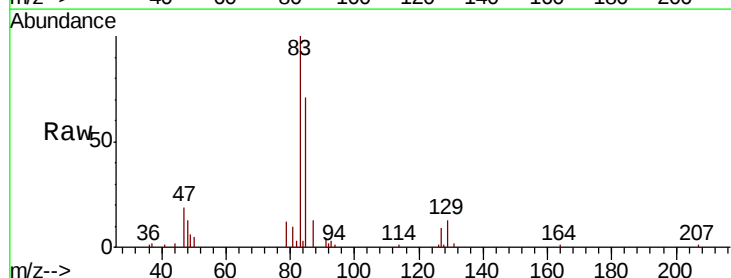
RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tgt Ion:	83	Resp:	28223
Ion	Ratio	Lower	Upper
83	100		
85	70.7	52.2	78.4
127	9.2	7.0	10.4

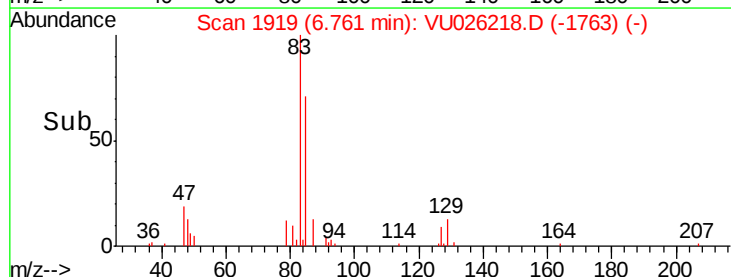
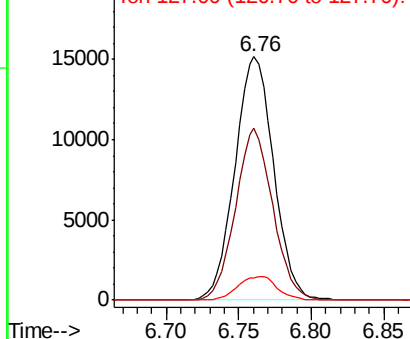


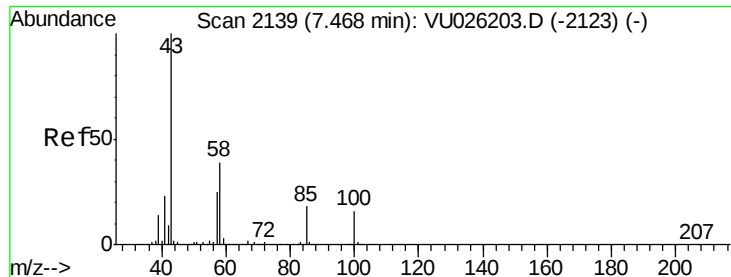
Abundance

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V





#45
4-Methyl-2-Pentanone
Concen: 10.03 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

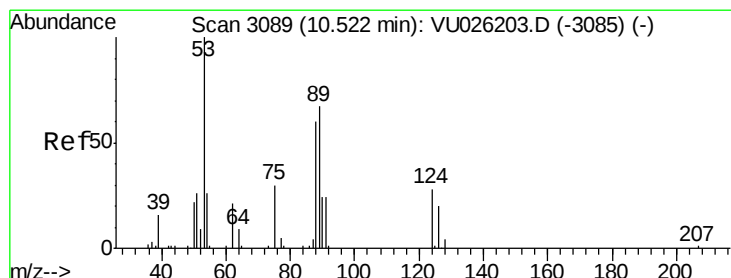
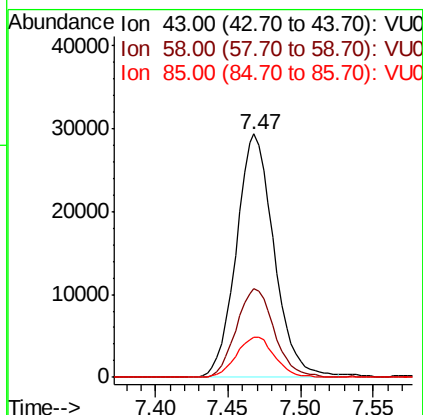
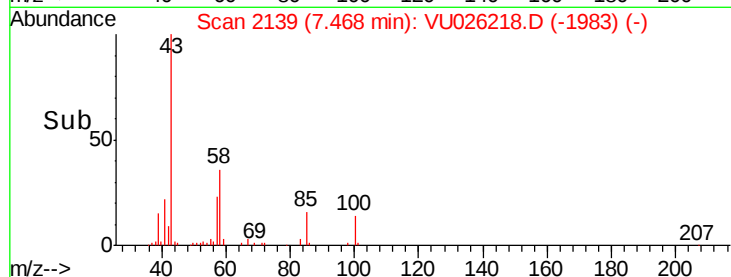
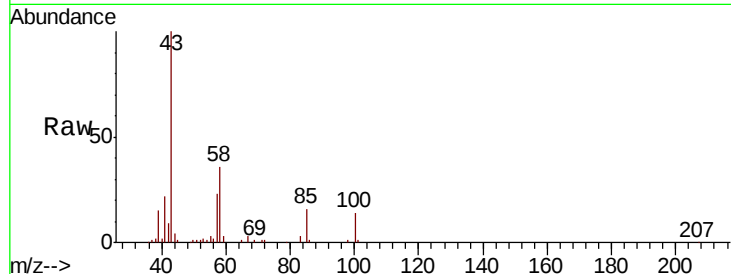
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	18.8	56.4
85	16.7	12.6	19.0

Manual Integrations
APPROVED

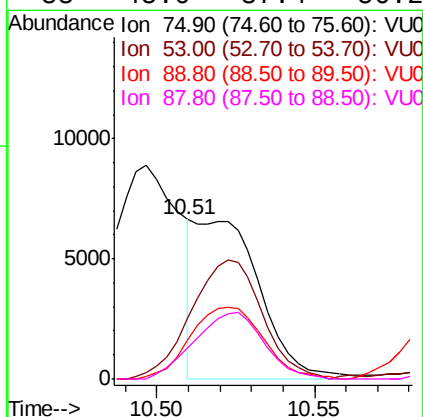
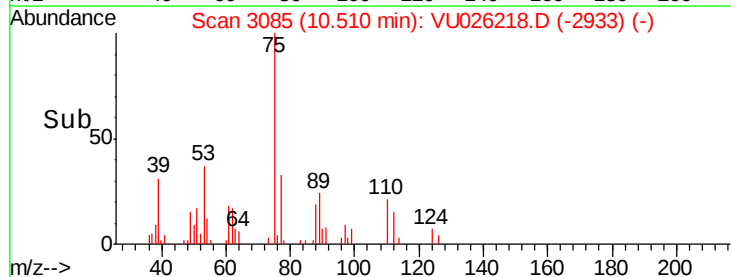
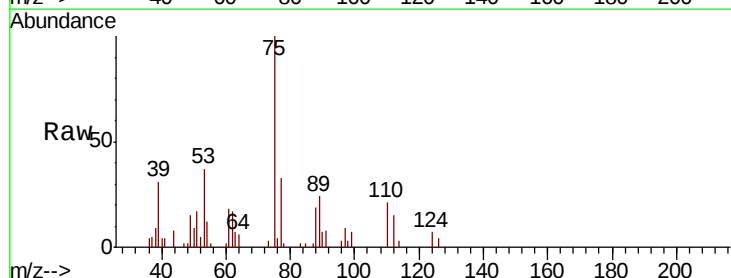
MMMadoda

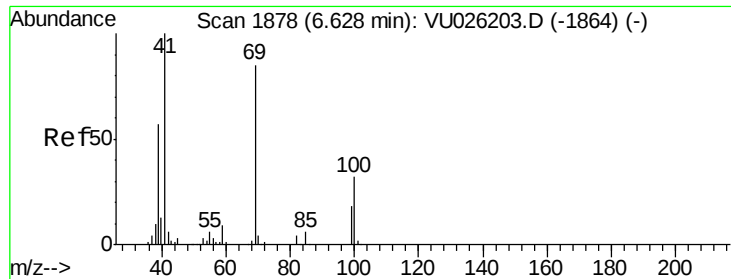
8/21/2018 11:38:53 AM



#46
t-1,4-Dichloro-2-butene
Concen: 3.96 ug/l m
RT: 10.51 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
53	82.1	82.2	123.4#
89	51.2	51.3	76.9#
88	45.0	37.4	56.2





#47
Methvl methacrylate
Concen: 4.14 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

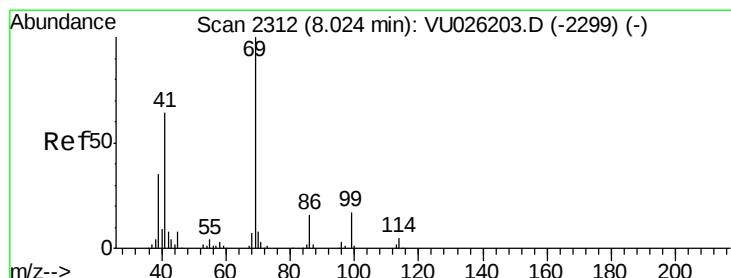
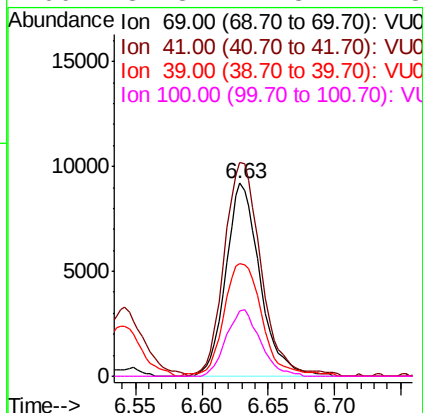
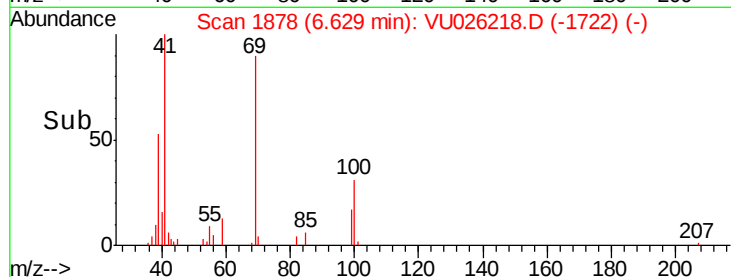
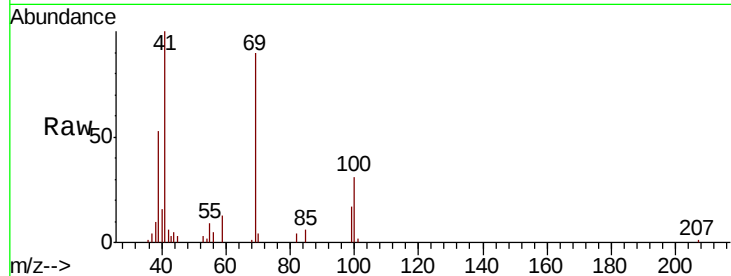
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	119.4	0.0	245.4		
39	65.9	49.0	73.4		
100	34.3	27.8	41.8		

Manual Integrations
APPROVED

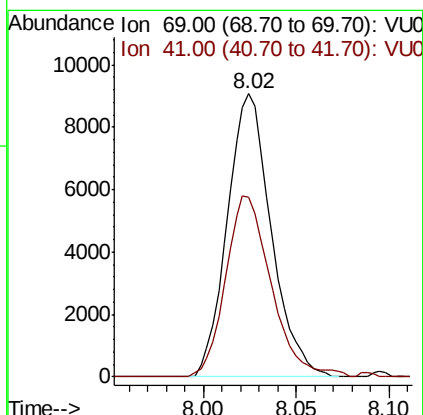
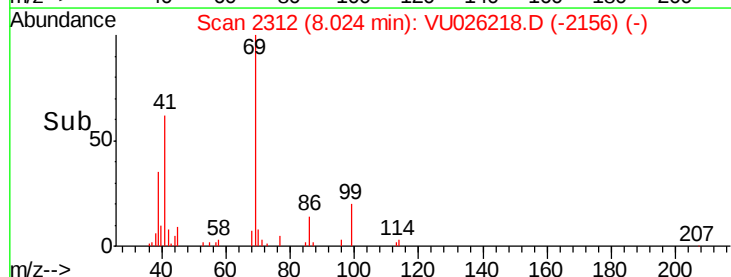
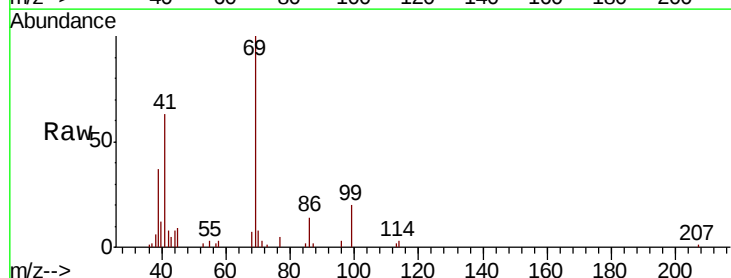
MMDadoda

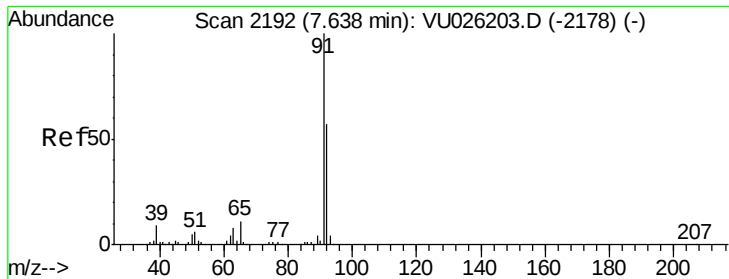
8/21/2018 11:38:53 AM



#48
Ethyl methacrylate
Concen: 2.05 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	66.3	34.2	102.5		





#49

Toluene

Concen: 2.04 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tot Ion: 92 Resp: 44203

Ion Ratio Lower Upper

92 100

91 176.6 137.1 205.7

Instrument :

MSVOA_U

ClientSampleId :

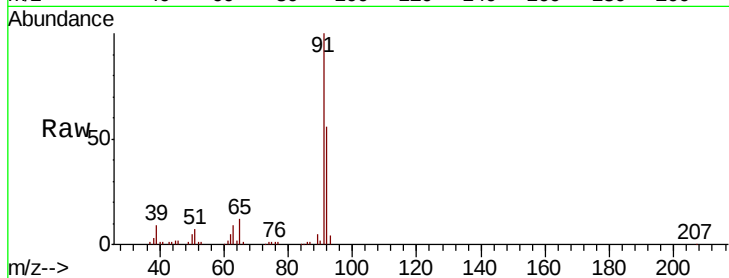
VU0820WBS02

Manual Integrations

APPROVED

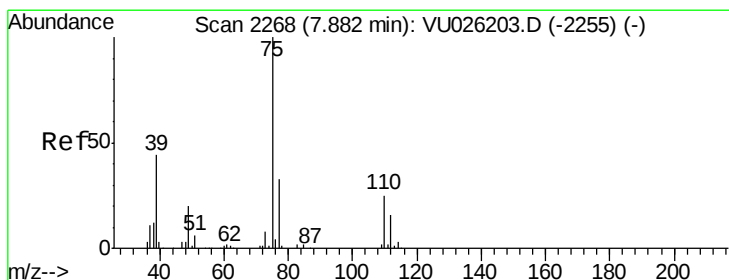
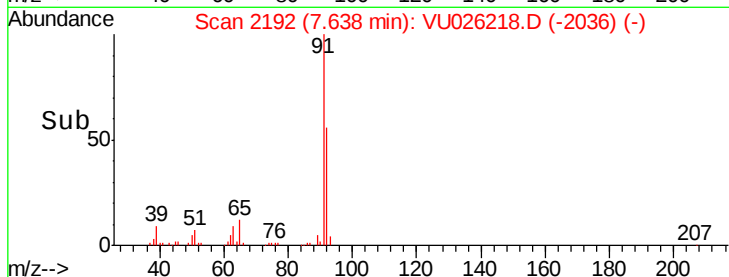
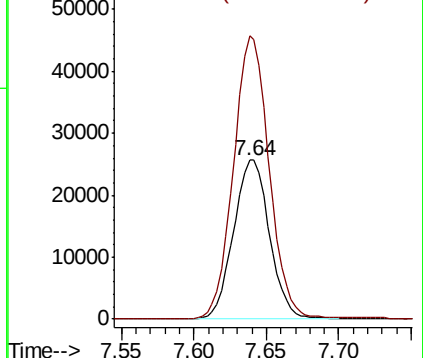
MMDadoda

8/21/2018 11:38:53 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 1.97 ug/l

RT: 7.89 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VU026218.D

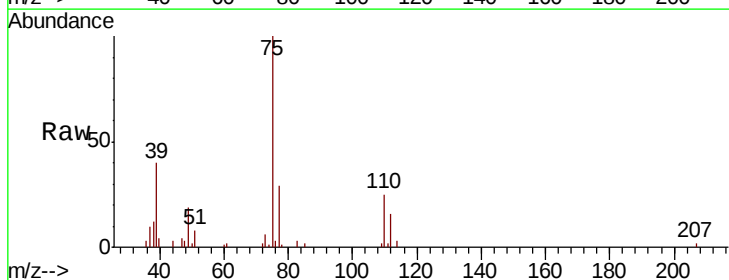
Acq: 20 Aug 2018 19:34

Tgt Ion: 75 Resp: 22660

Ion Ratio Lower Upper

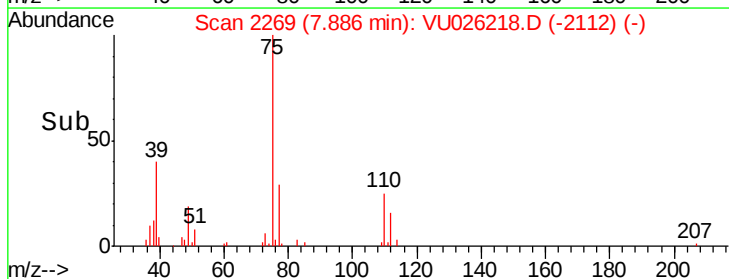
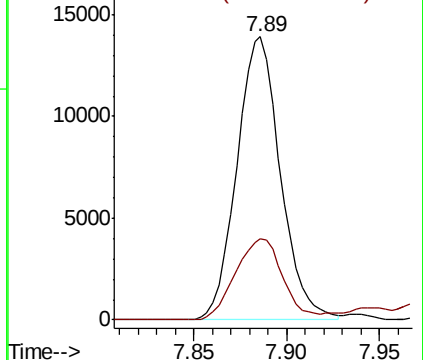
75 100

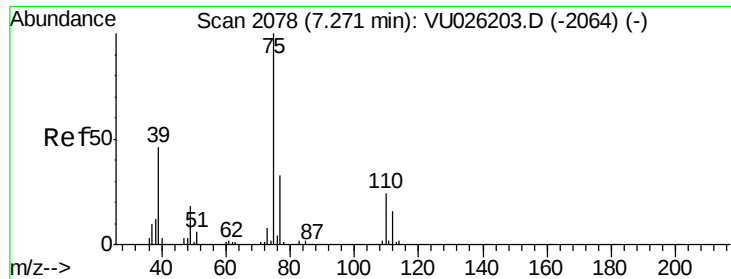
77 28.9 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51
 cis-1,3-Dichloropropene
 Concen: 2.04 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

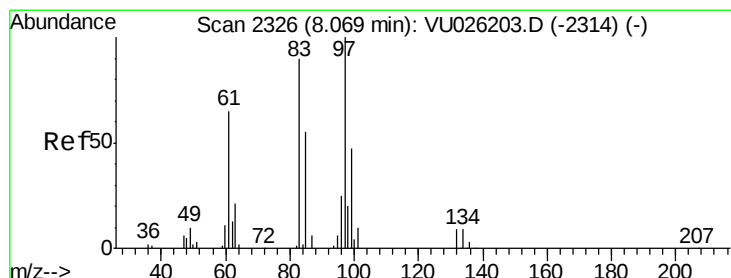
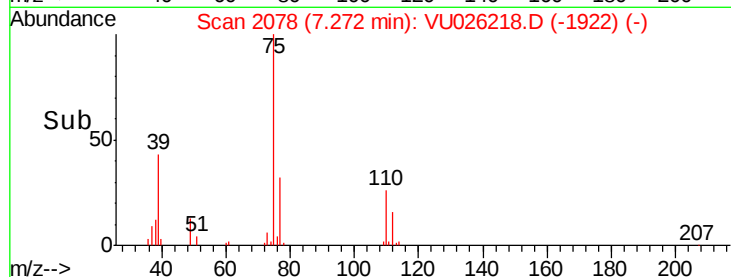
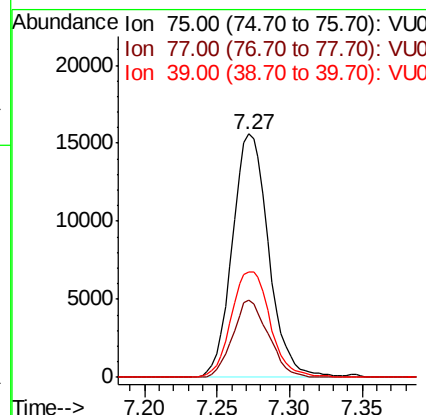
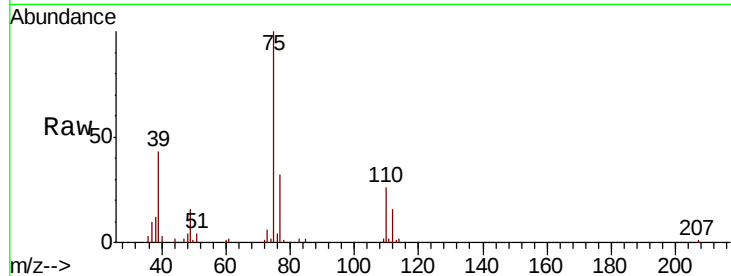
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion:	75	Resp:	27146
Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	43.4	36.4	54.6

Manual Integrations
 APPROVED

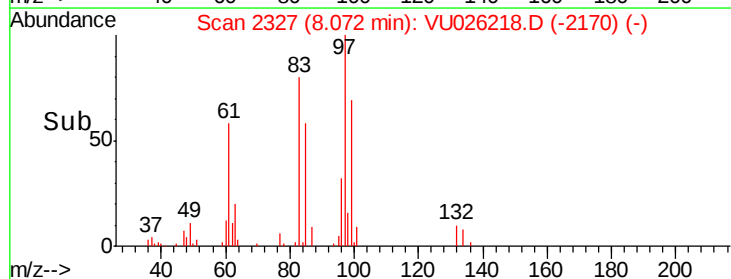
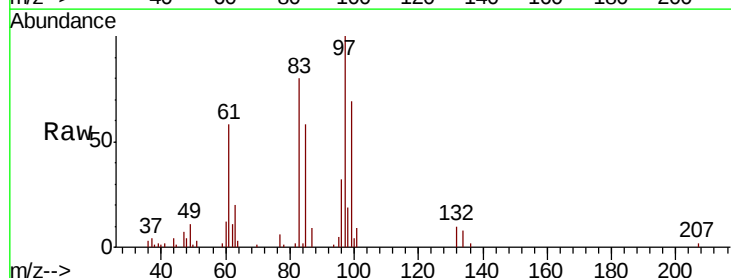
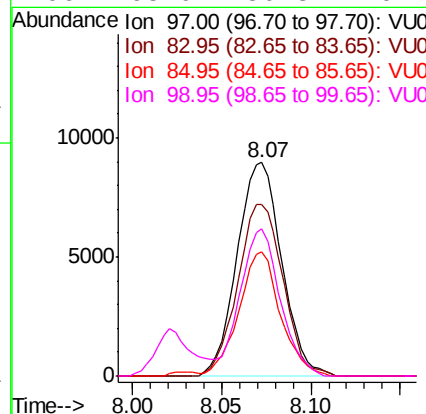
MMDadoda

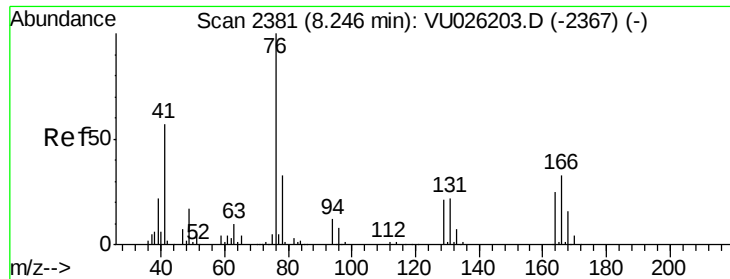
8/21/2018 11:38:53 AM



#52
 1,1,2-Trichloroethane
 Concen: 2.21 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:	97	Resp:	15633
Ion	Ratio	Lower	Upper
97	100		
83	80.4	72.6	109.0
85	58.3	47.2	70.8
99	68.9	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 2.01 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

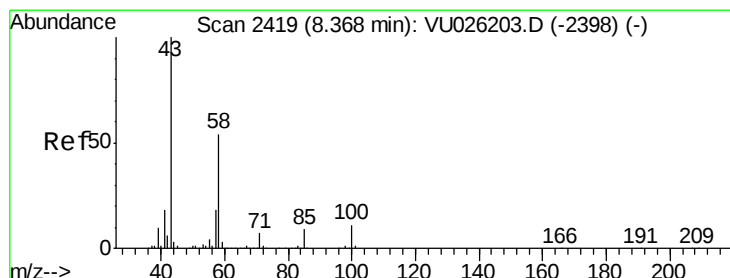
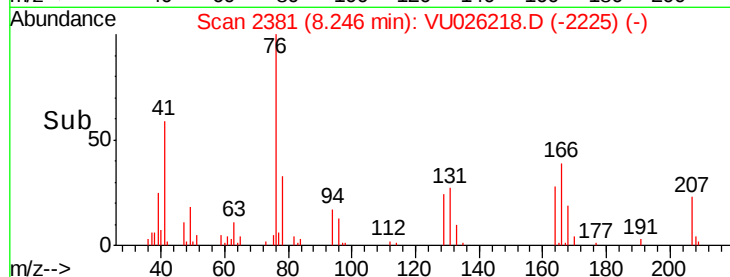
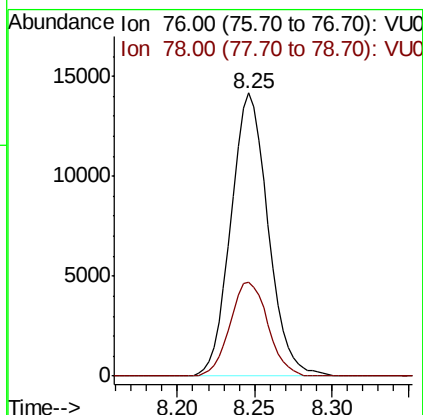
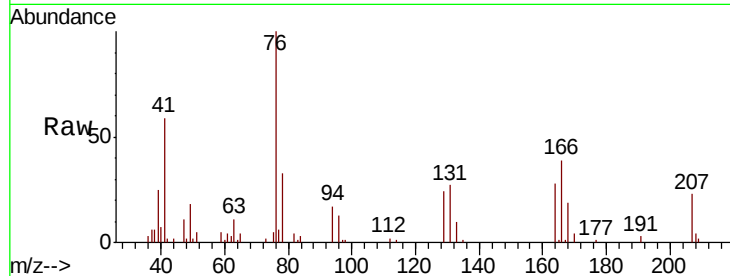
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion: 76 Resp: 23629
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.7 38.5

Manual Integrations
 APPROVED

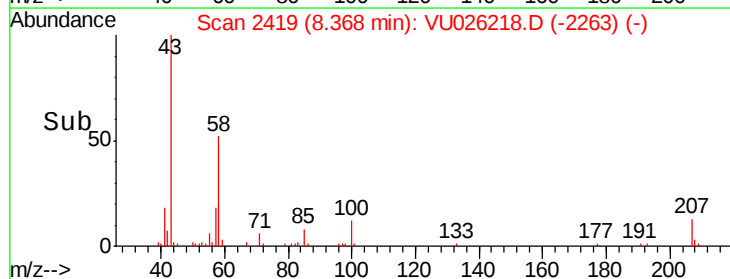
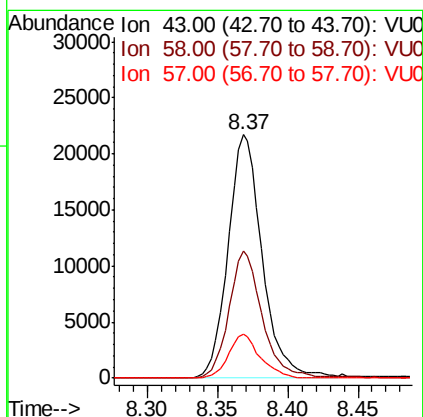
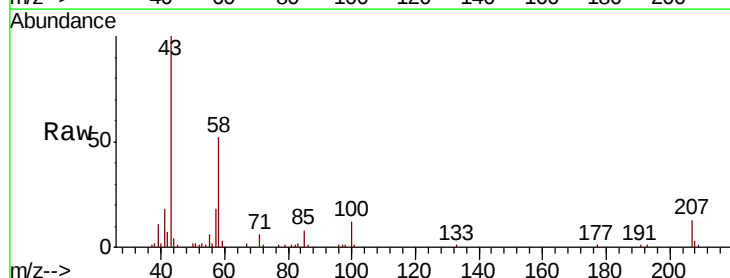
MMMadoda

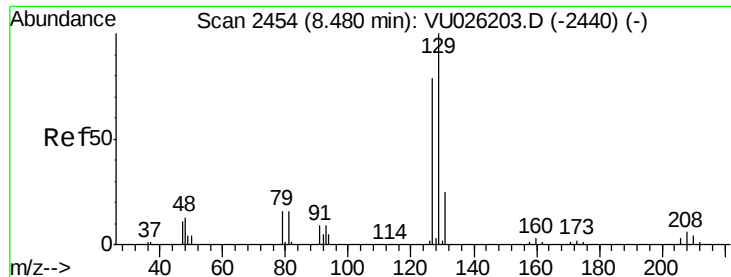
8/21/2018 11:38:53 AM



#54
 2-Hexanone
 Concen: 9.77 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion: 43 Resp: 36751
 Ion Ratio Lower Upper
 43 100
 58 50.6 32.5 72.5
 57 16.5 0.0 37.9





#55
 Dibromochloromethane
 Concen: 2.10 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

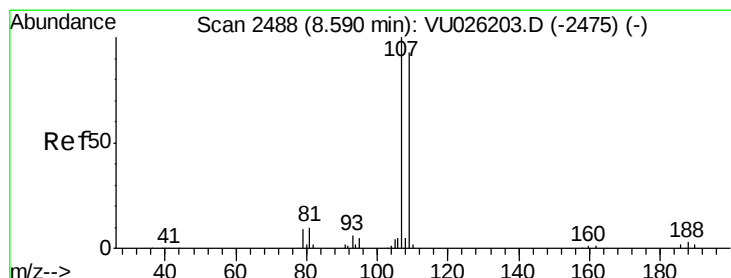
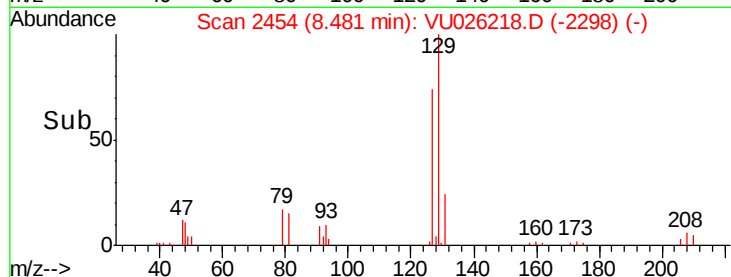
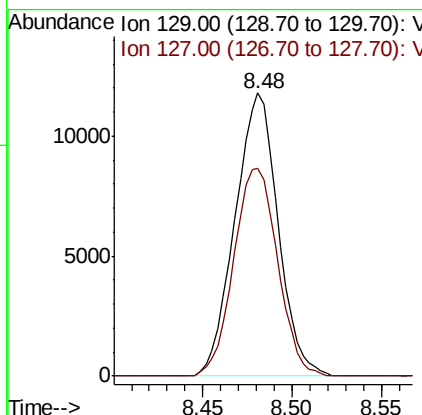
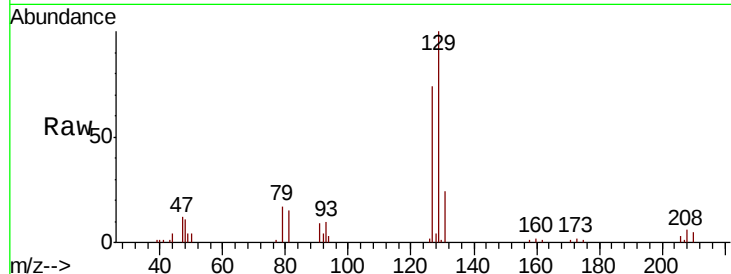
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		19838		
127	74.9	61.1	91.7		

Manual Integrations
 APPROVED

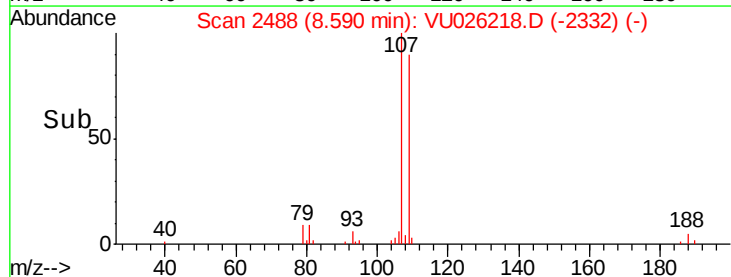
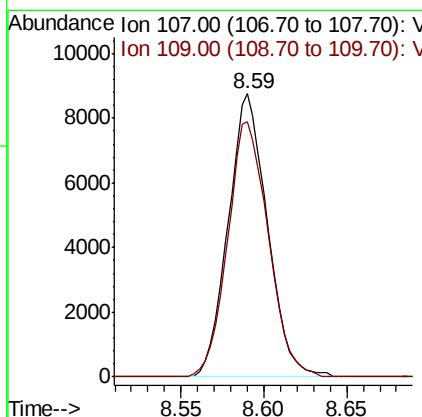
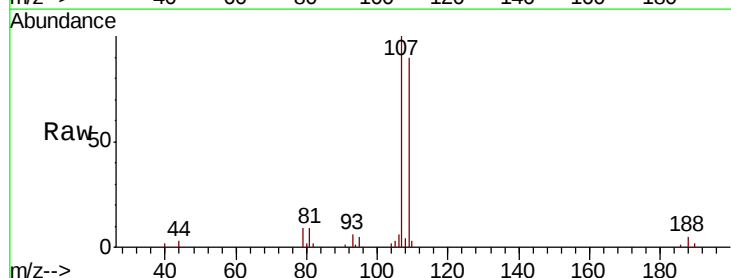
MMMadoda

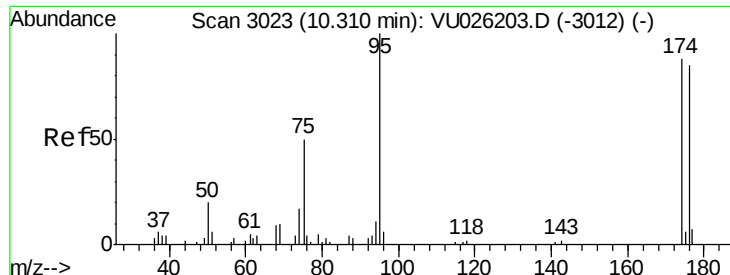
8/21/2018 11:38:53 AM



#56
 1,2-Dibromoethane
 Concen: 2.09 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		14364		
109	93.4	0.0	189.0		





#57

4-Bromofluorobenzene

Concen: 2.09 ug/l

RT: 10.31 min Scan# 3023

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

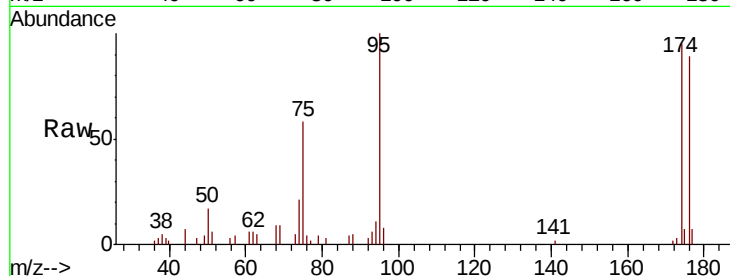
VU0820WBS02

Tot Ion:	95	Resp:	11446
Ion Ratio	Lower	Upper	
95	100		
174	93.0	65.6	98.4
176	87.0	62.0	93.0

Manual Integrations
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8/21/2018 11:38:53 AM

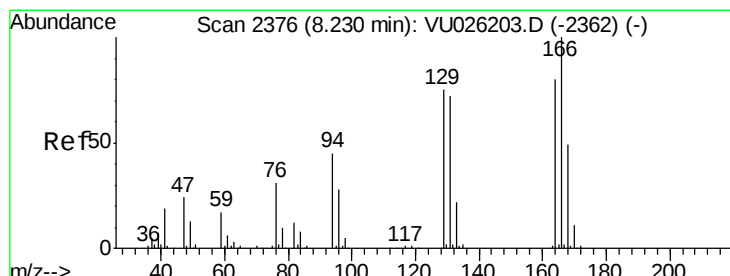
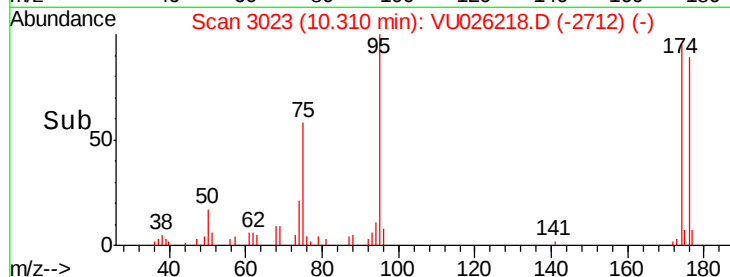
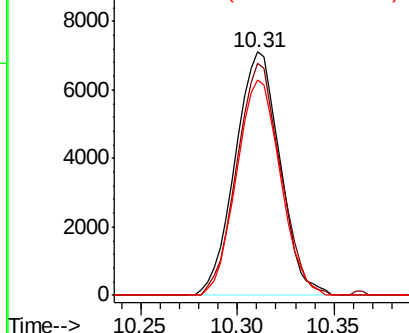


Abundance

Ion 95.00 (94.70 to 95.70): VU026218.D (-2220) (-)

Ion 174.00 (173.70 to 174.70): VU026218.D (-2220) (-)

Ion 176.00 (175.70 to 176.70): VU026218.D (-2220) (-)



#58

Tetrachloroethene

Concen: 2.15 ug/l

RT: 8.23 min Scan# 2376

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tgt Ion:	164	Resp:	21625
Ion Ratio	Lower	Upper	
164	100		
166	120.2	104.1	156.1
129	86.2	76.8	115.2
131	86.7	72.6	108.8

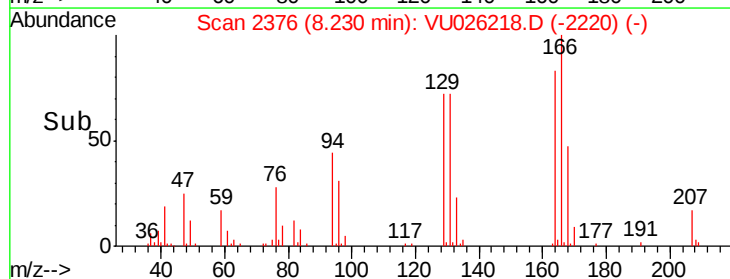
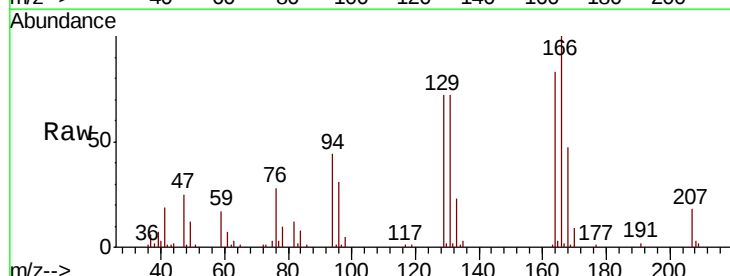
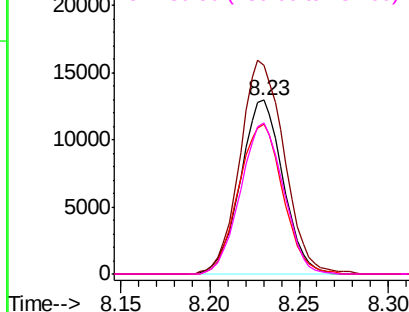
Abundance

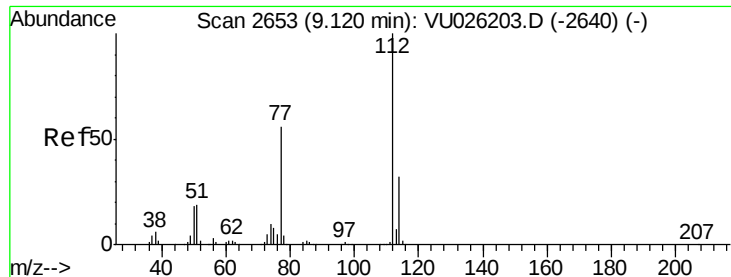
Ion 163.85 (163.55 to 164.55): VU026218.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026218.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026218.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026218.D (-2220) (-)





#59
Chlorobenzene
Concen: 2.06 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

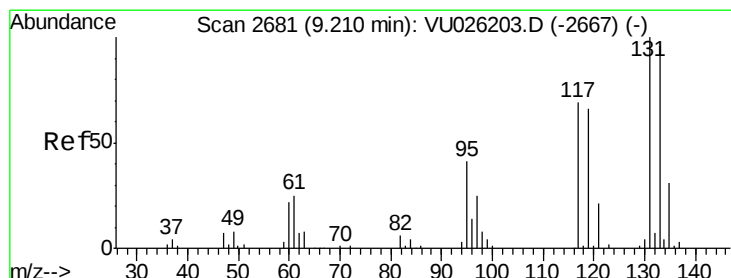
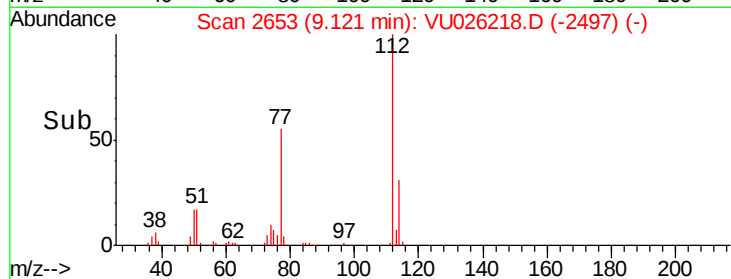
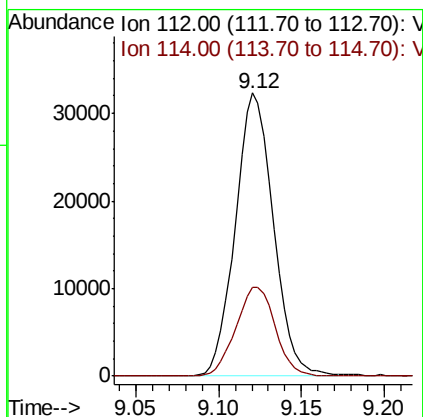
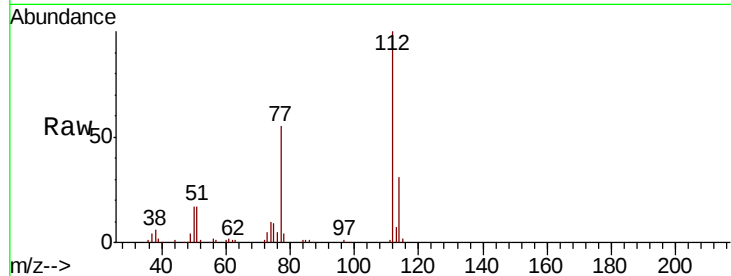
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.4	38.2

Manual Integrations
APPROVED

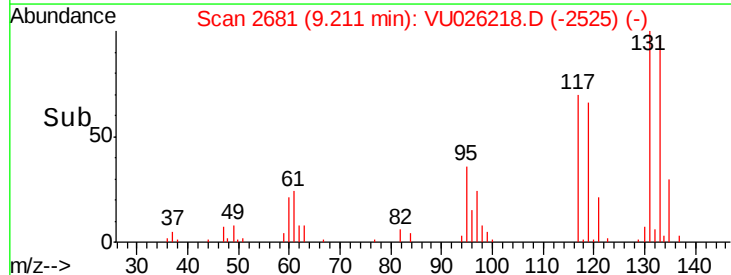
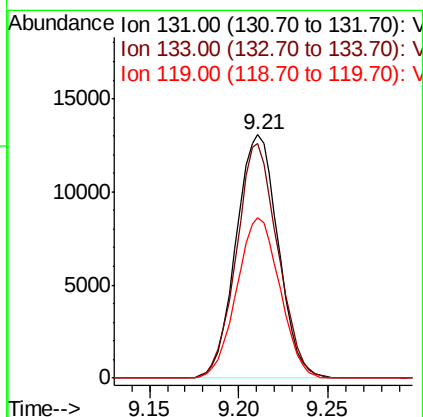
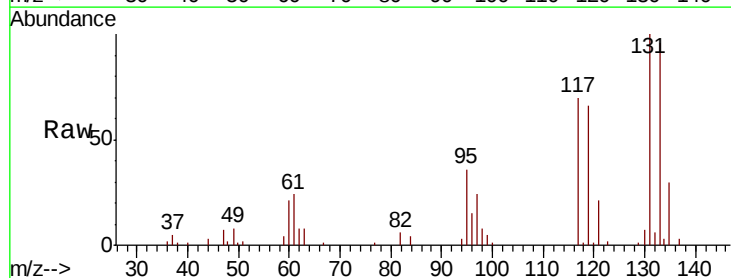
MM Dadoda

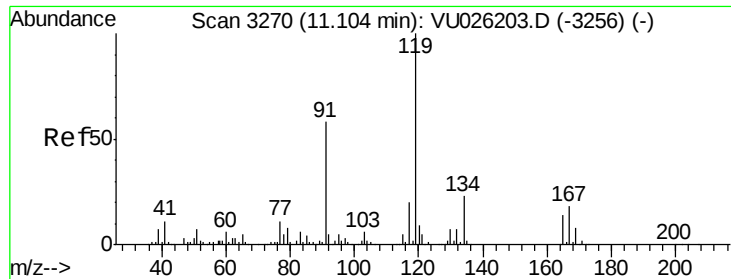
8/21/2018 11:38:53 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 2.16 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.7	75.8	113.8
119	67.4	53.0	79.6





#61
 Pentachloroethane
 Concen: 2.00 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

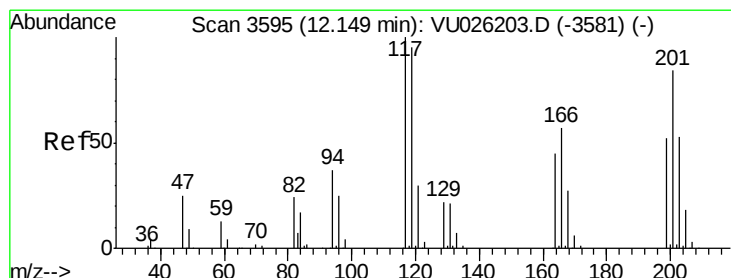
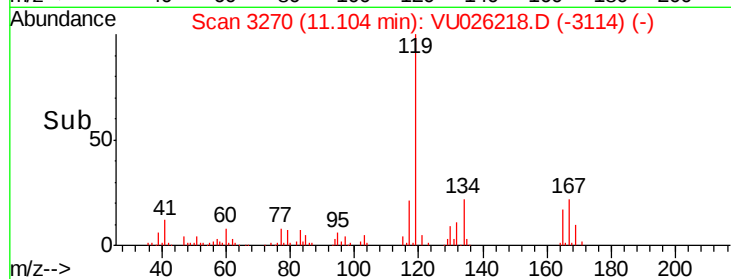
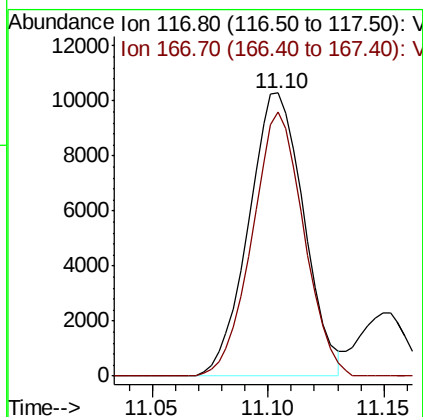
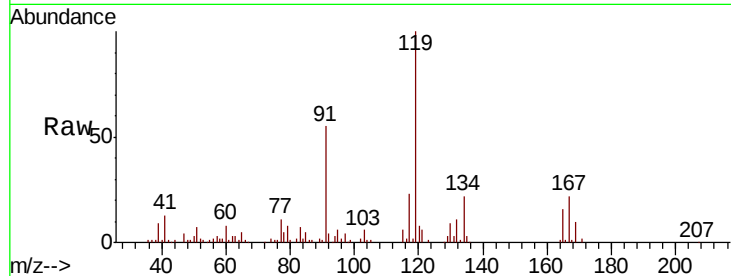
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion:117 Resp: 17078
 Ion Ratio Lower Upper
 117 100
 167 86.9 69.2 103.8

Manual Integrations
 APPROVED

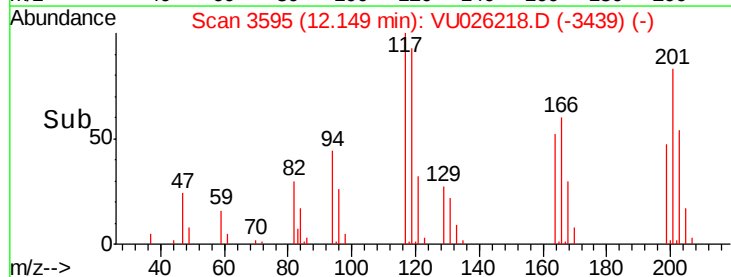
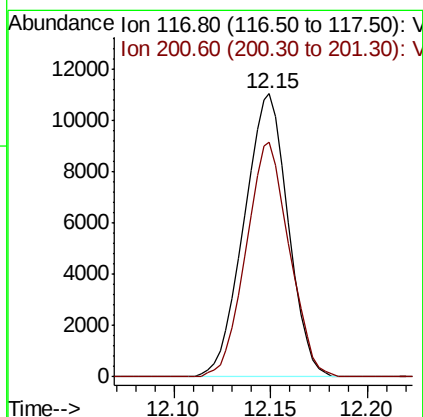
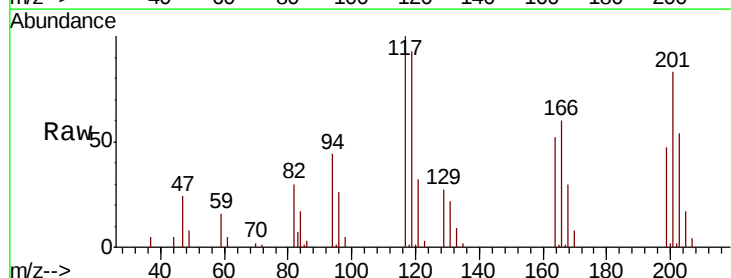
MMMadoda

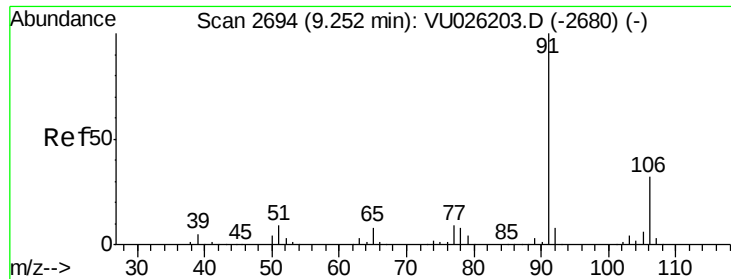
8/21/2018 11:38:53 AM



#62
 Hexachloroethane
 Concen: 2.06 ug/l
 RT: 12.15 min Scan# 3595
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion:117 Resp: 17475
 Ion Ratio Lower Upper
 117 100
 201 81.5 68.7 103.1





#63
Ethyl Benzene
Concen: 1.94 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

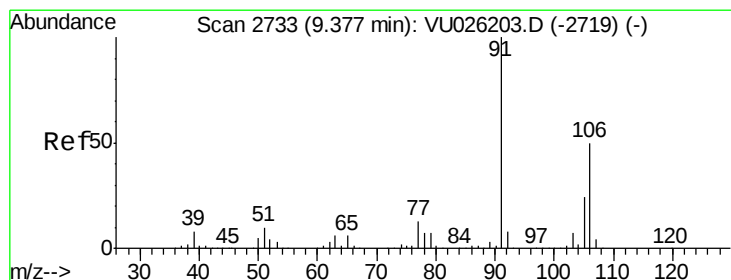
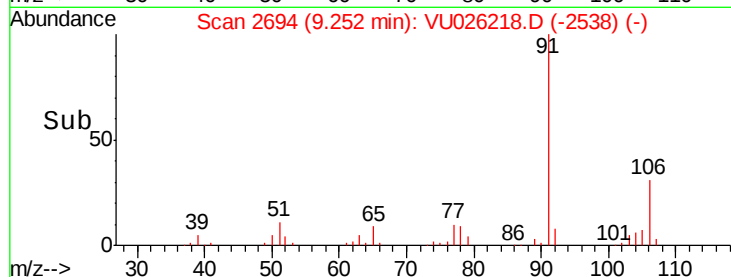
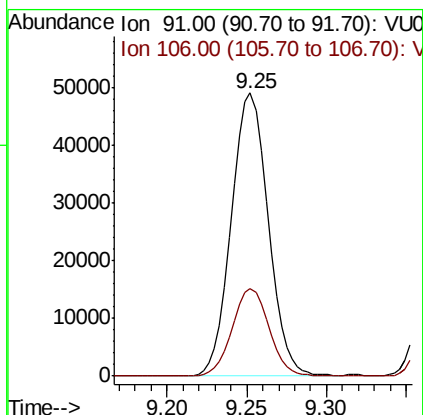
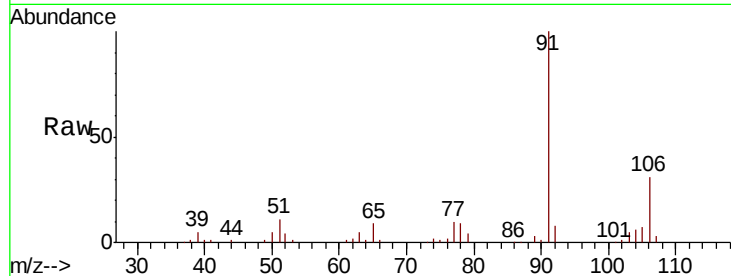
Instrument :
MSVOA_U
ClientSampled :
VU0820WBS02

Tot Ion: 91 Resp: 77280
Ion Ratio Lower Upper
91 100
106 31.0 24.7 37.1

Manual Integrations
APPROVED

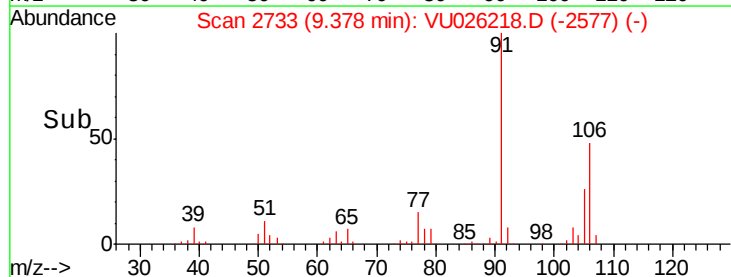
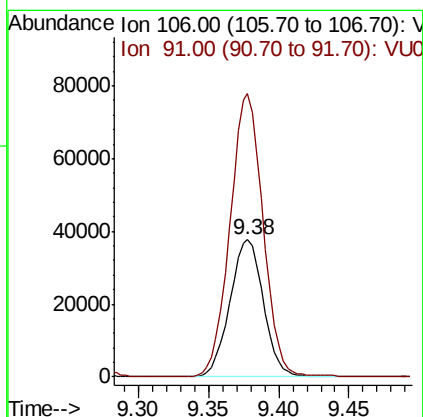
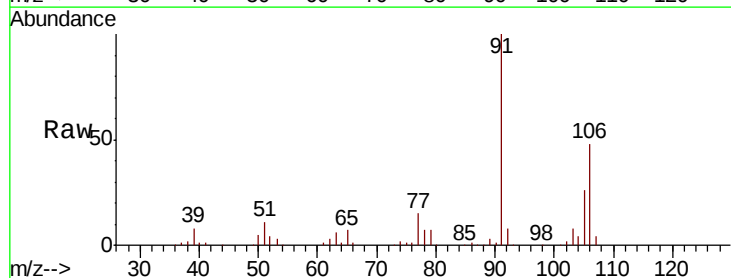
MM Dadoda

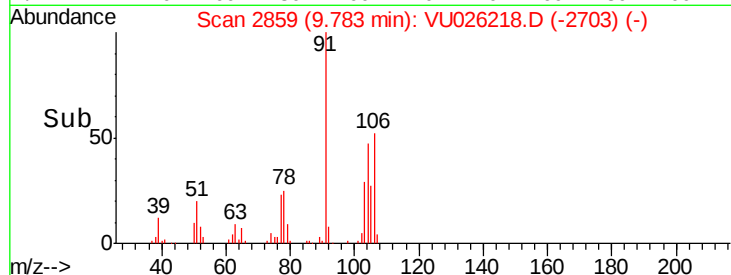
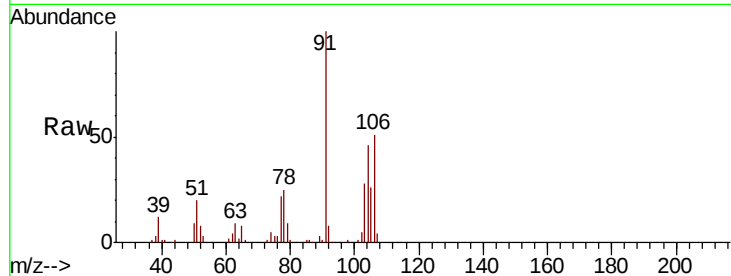
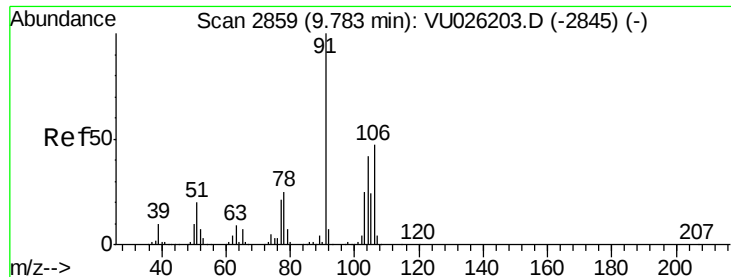
8/21/2018 11:38:53 AM



#64
m/p-Xylenes
Concen: 3.95 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 106 Resp: 62612
Ion Ratio Lower Upper
106 100
91 203.2 164.1 246.1





#65
o-Xylene
Concen: 2.06 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

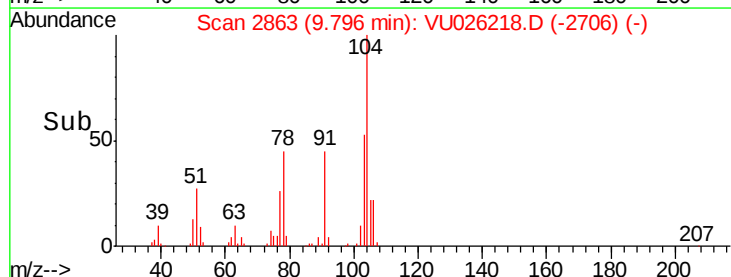
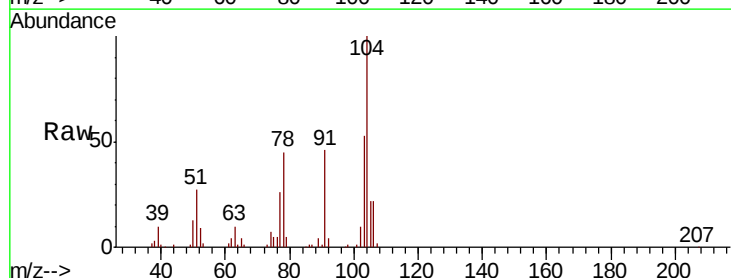
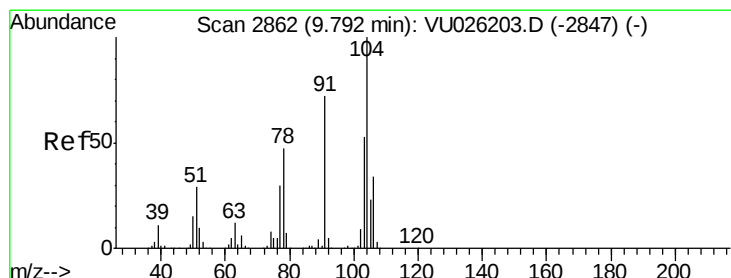
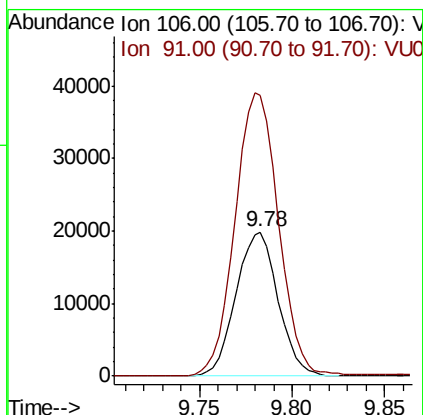
Tot Ion: 106 Resp: 31221
Ion Ratio Lower Upper
106 100
91 203.9 107.9 323.7

Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Manual Integrations
APPROVED

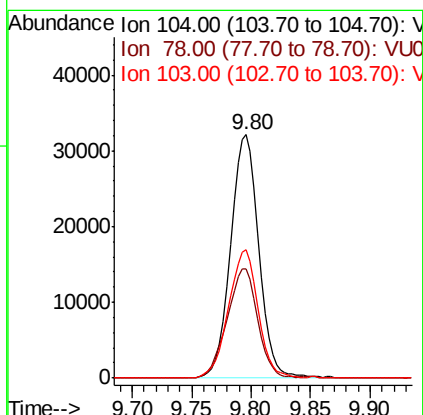
MM Dadoda

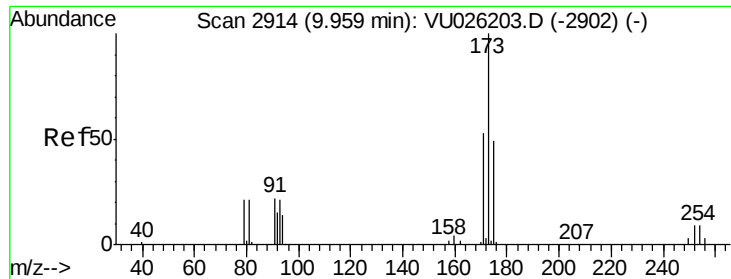
8/21/2018 11:38:53 AM



#66
Styrene
Concen: 2.04 ug/l
RT: 9.80 min Scan# 2863
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion: 104 Resp: 52925
Ion Ratio Lower Upper
104 100
78 48.6 40.2 60.2
103 55.2 44.2 66.4





#67
Bromoform
Concen: 2.12 ug/l
RT: 9.96 min Scan# 2915
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

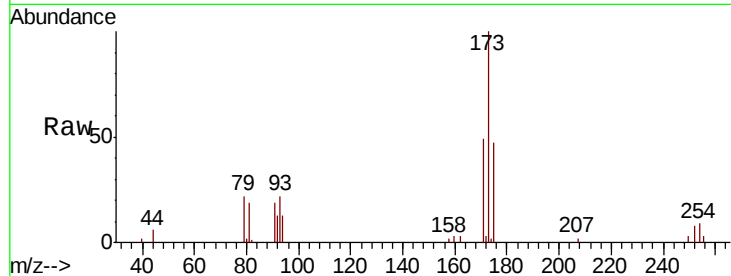
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	38.6	57.8
254	7.7	8.8	13.2

Manual Integrations
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MMMadoda

8/21/2018 11:38:53 AM

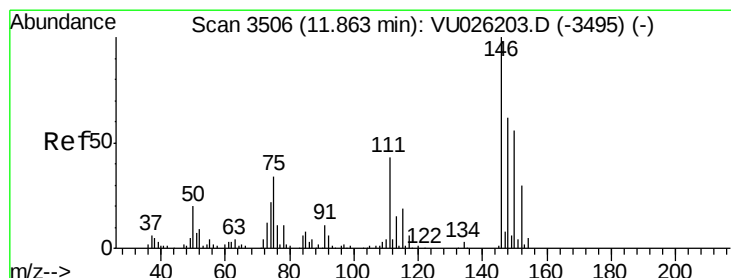
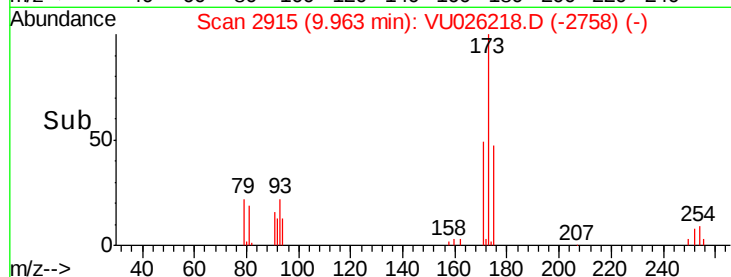
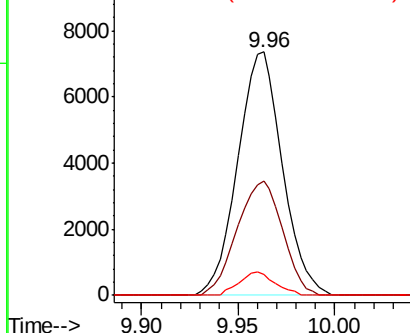


Abundance

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: 2.12 ug/l
RT: 11.86 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

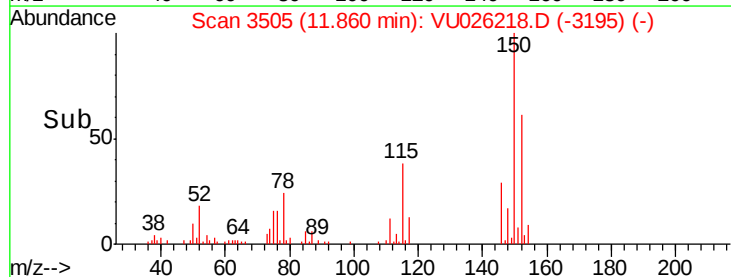
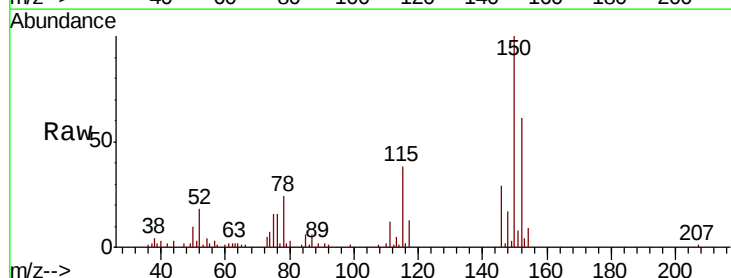
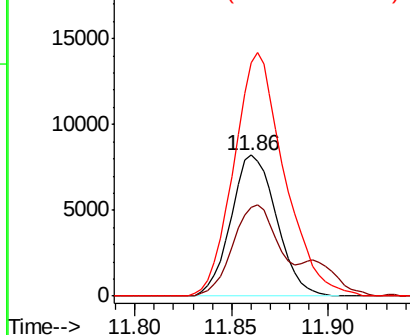
Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	0.0	118.8
150	191.6	0.0	0.0

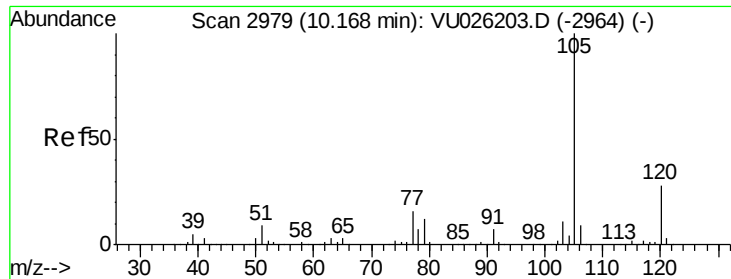
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 1.98 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Tot Ion: 105 Resp: 78988

Ion Ratio Lower Upper

105 100

120 27.1 13.1 39.3

Instrument :

MSVOA_U

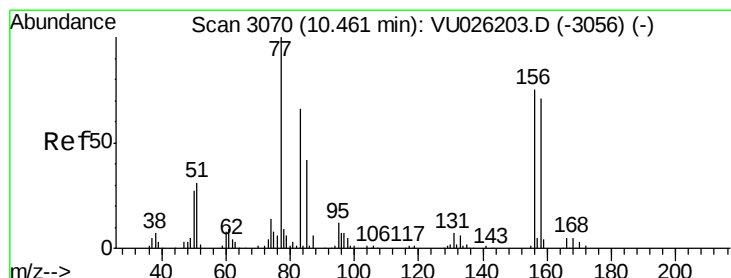
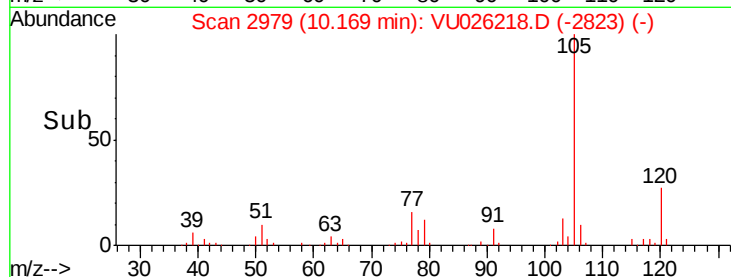
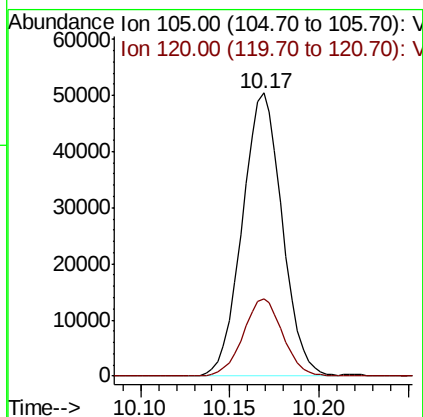
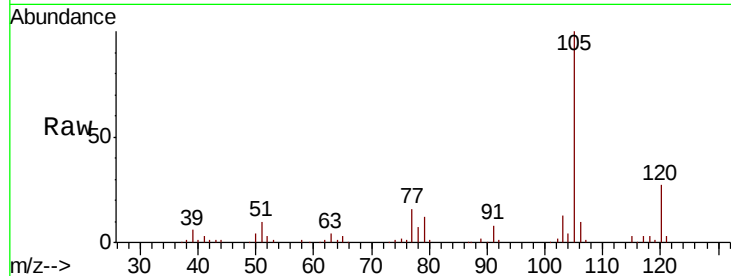
ClientSampleId :

VU0820WBS02

Manual Integrations
APPROVED

MMDadoda

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#70

1,1,2,2-Tetrachloroethane

Concen: 2.12 ug/l

RT: 10.46 min Scan# 3069

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

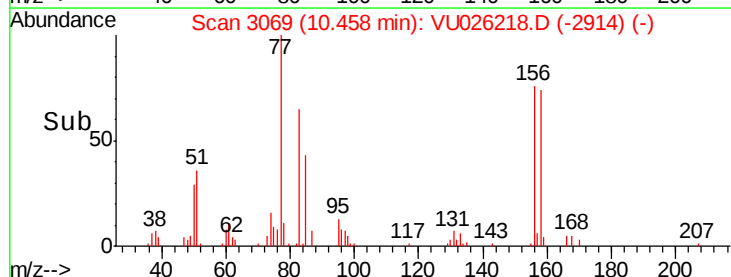
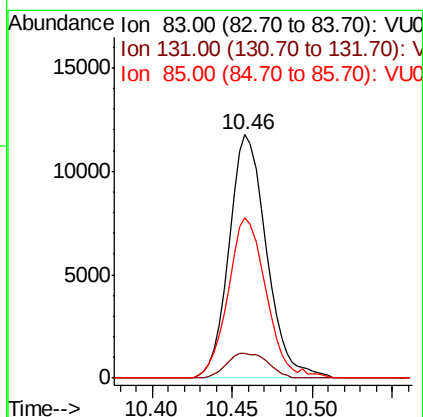
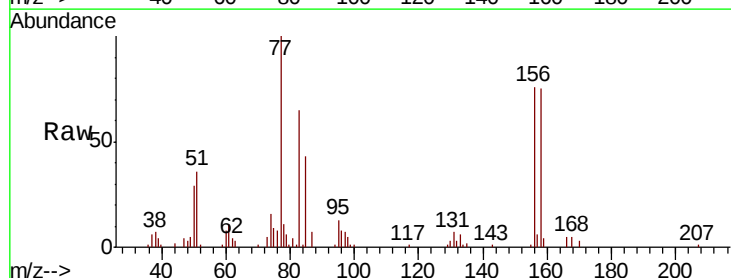
Tgt Ion: 83 Resp: 18763

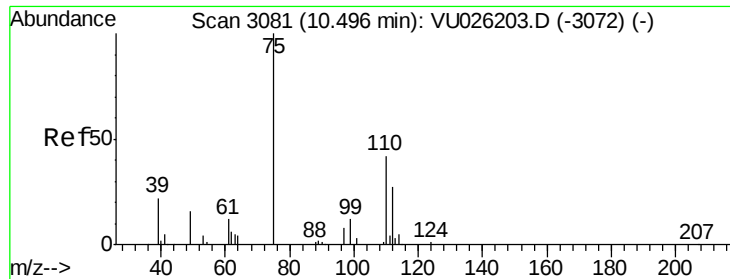
Ion Ratio Lower Upper

83 100

131 11.2 7.9 11.9

85 67.2 51.8 77.6





#71
 1,2,3-Trichloropropane
 Concen: 2.55 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

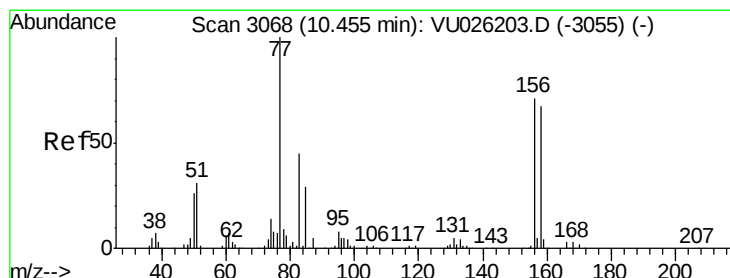
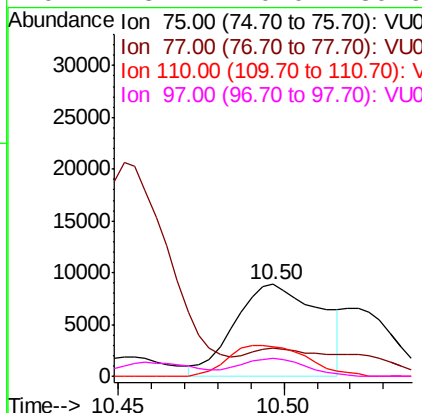
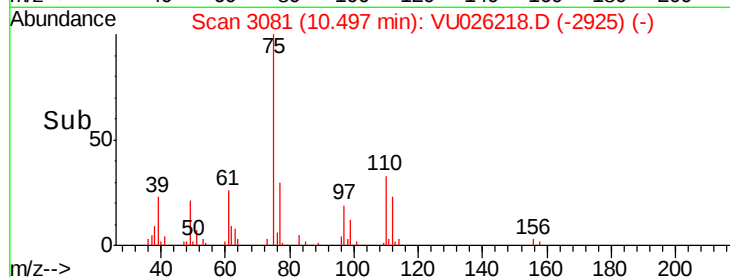
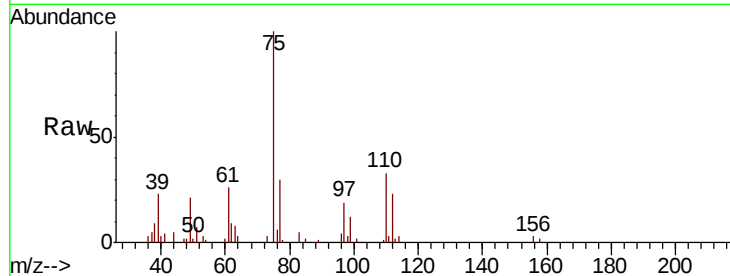
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ion	Ratio	Lower	Upper
75	100			
77	6.8	0.0	0.0	0.0
110	30.5	0.0	74.0	
97	15.4	0.0	39.6	

Manual Integrations
 APPROVED

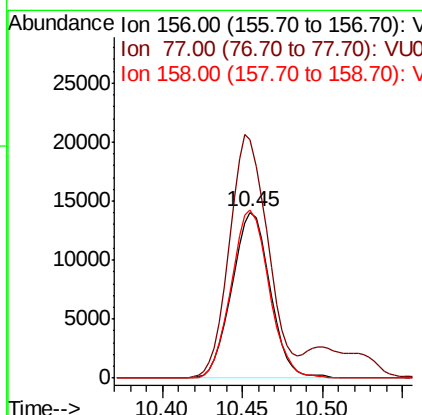
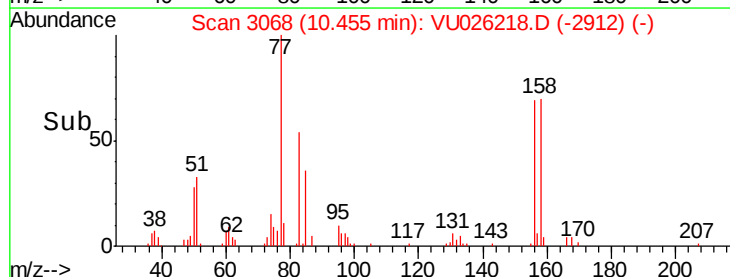
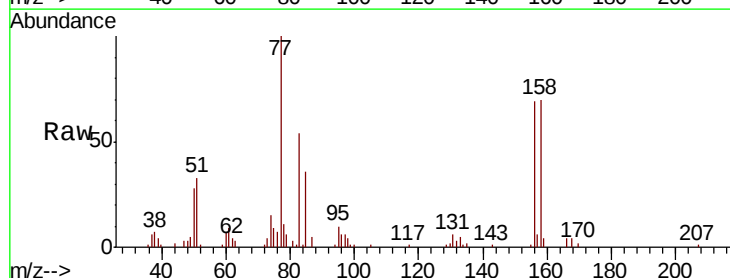
MM Dadoda

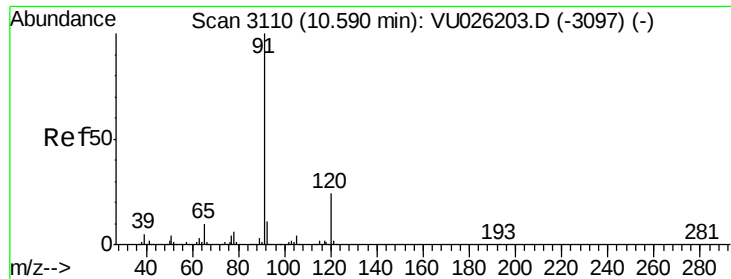
8/21/2018 11:38:53 AM



#72
 Bromobenzene
 Concen: 2.04 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ion	Ratio	Lower	Upper
156	100			
77	148.8	0.0	309.8	
158	100.8	0.0	193.0	





#73
n-propylbenzene
Concen: 1.97 ug/l
RT: 10.59 min Scan# 3110
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

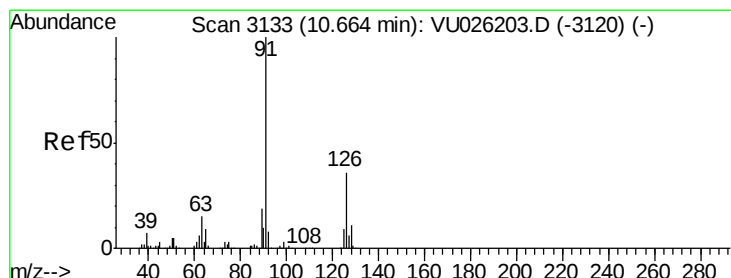
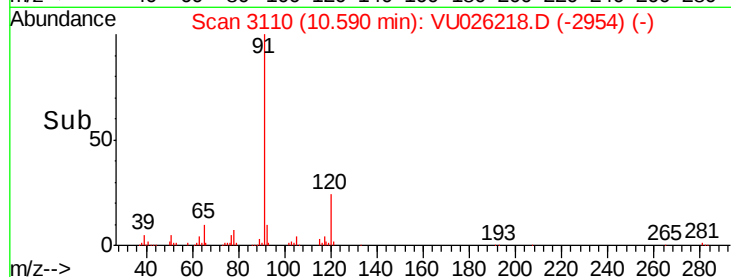
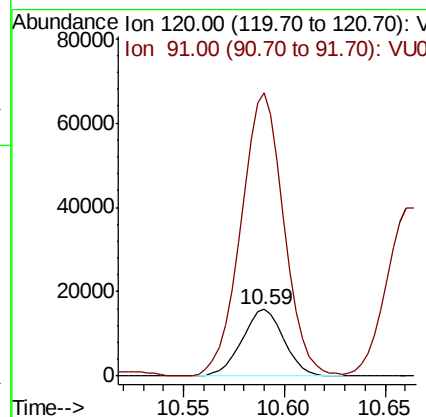
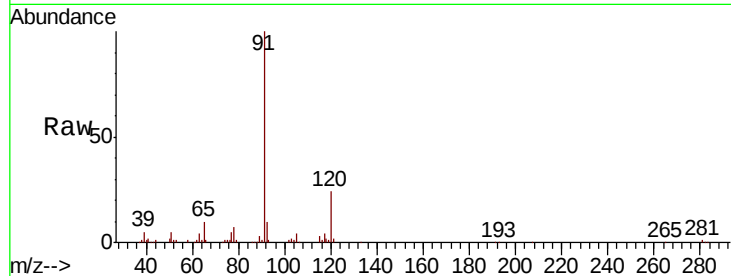
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
120	100		
91	431.8	352.2	528.4

Manual Integrations
APPROVED

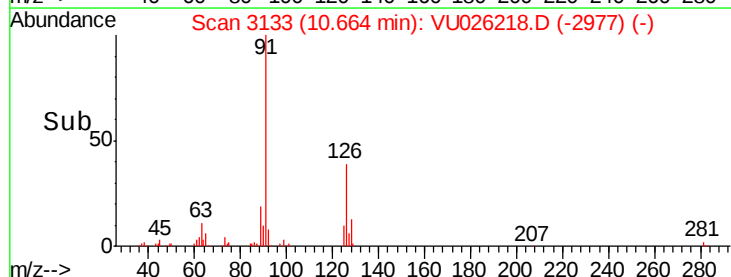
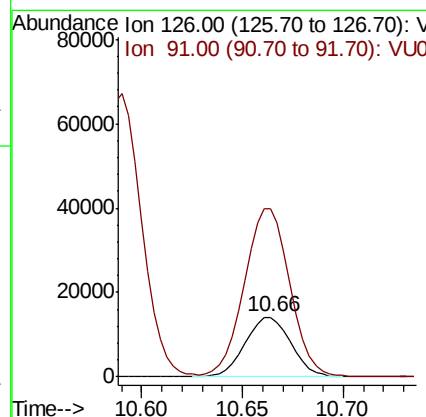
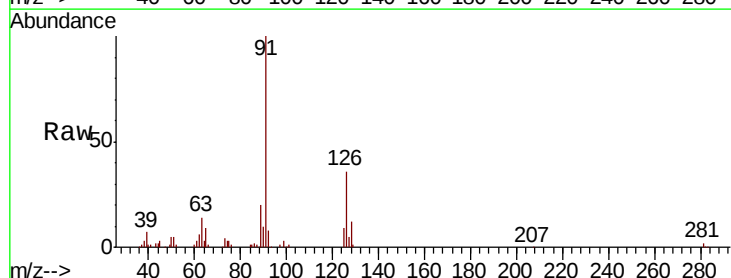
MMMadoda

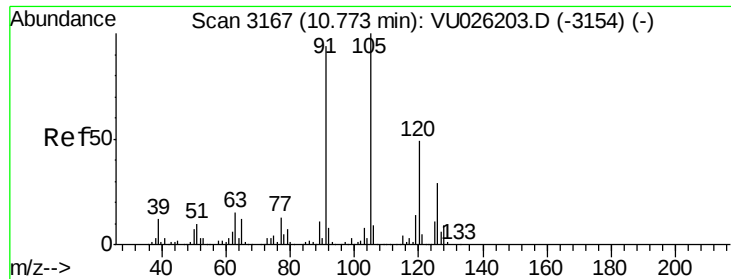
8/21/2018 11:38:53 AM



#74
2-Chlorotoluene
Concen: 2.14 ug/l
RT: 10.66 min Scan# 3133
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
126	100		
91	275.6	0.0	613.0





#75

1,3,5-Trimethylbenzene

Concen: 2.04 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

VU0820WBS02

Tot Ion:105 Resp: 72399

Ion Ratio Lower Upper

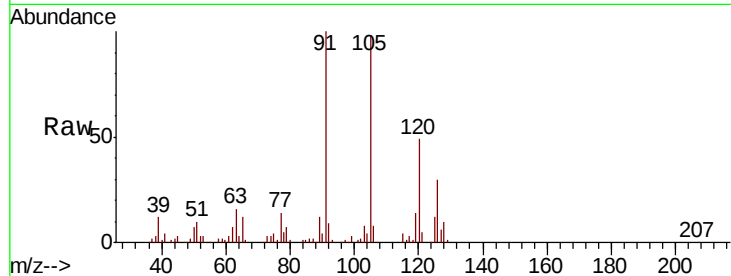
105 100

120 49.3 39.0 58.6

Manual Integrations
APPROVED

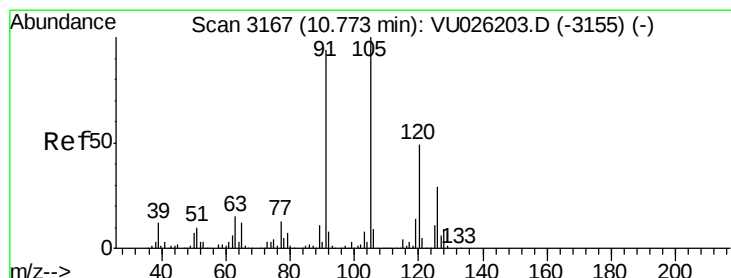
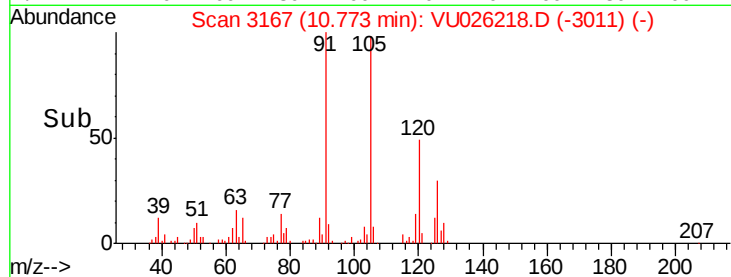
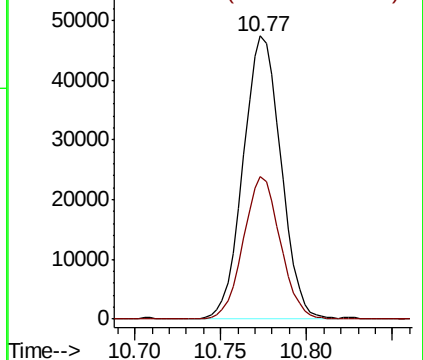
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#76

4-Chlorotoluene

Concen: 2.08 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026218.D

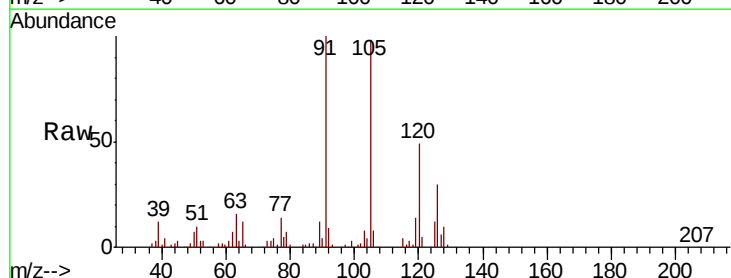
Acq: 20 Aug 2018 19:34

Tgt Ion:126 Resp: 22508

Ion Ratio Lower Upper

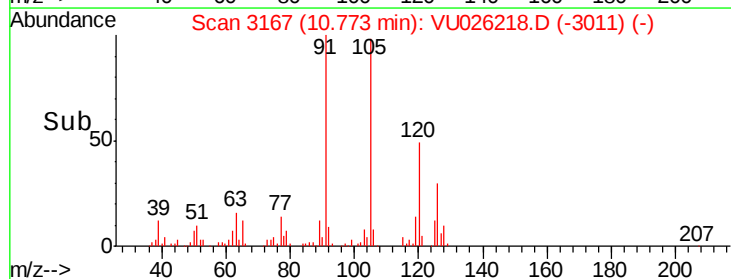
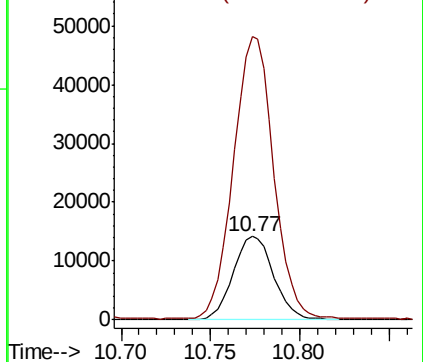
126 100

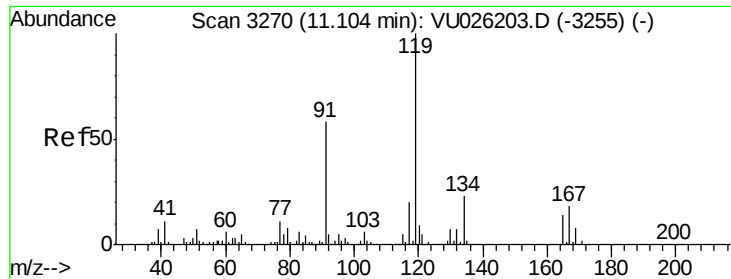
91 333.0 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0





#77

tert-Butylbenzene

Concen: 1.99 ug/l

RT: 11.10 min Scan# 3269

Delta R.T. -0.00 min

Lab File: VU026218.D

Acq: 20 Aug 2018 19:34

Instrument :

MSVOA_U

ClientSampleId :

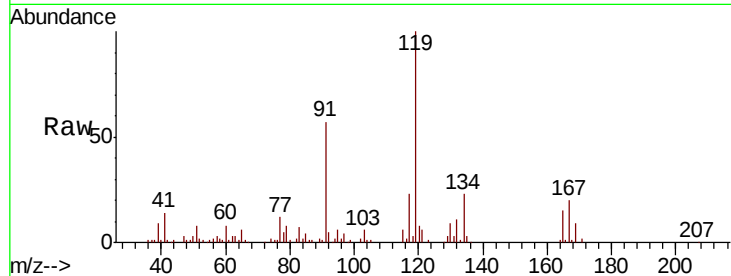
VU0820WBS02

Tot Ion:	119	Resp:	70519
Ion Ratio	Lower	Upper	
119	100		
91	56.7	29.6	88.8
134	22.4	19.1	28.7

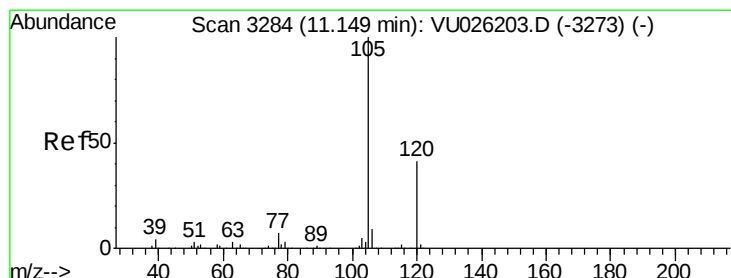
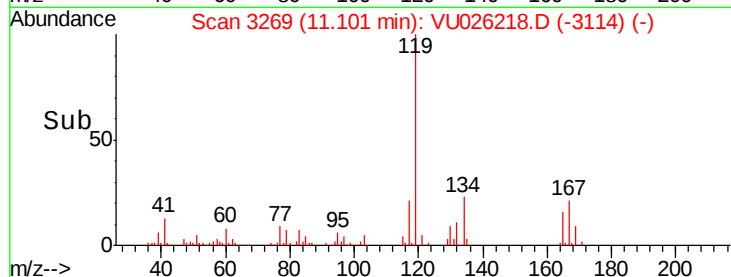
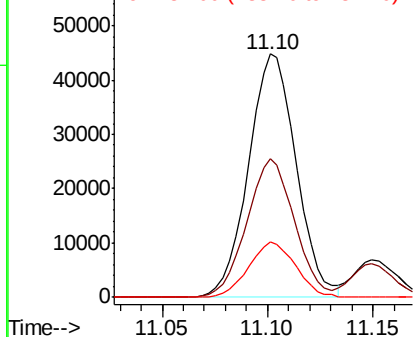
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 2.02 ug/l

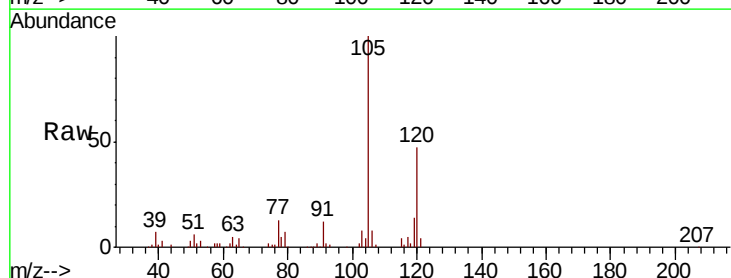
RT: 11.15 min Scan# 3284

Delta R.T. 0.00 min

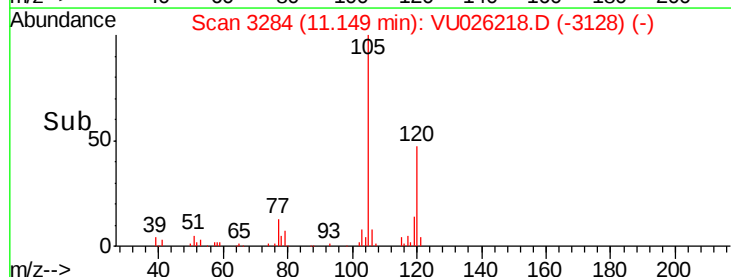
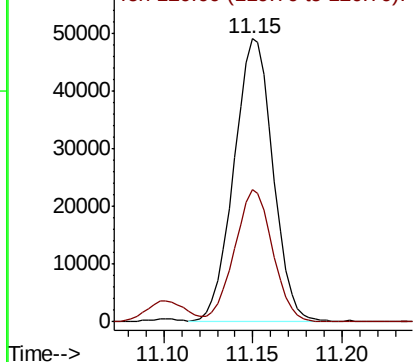
Lab File: VU026218.D

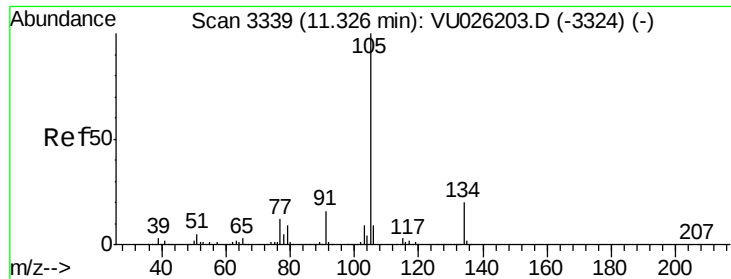
Acq: 20 Aug 2018 19:34

Tgt Ion:	105	Resp:	74330
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.1	69.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#79
 sec-Butylbenzene
 Concen: 2.04 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

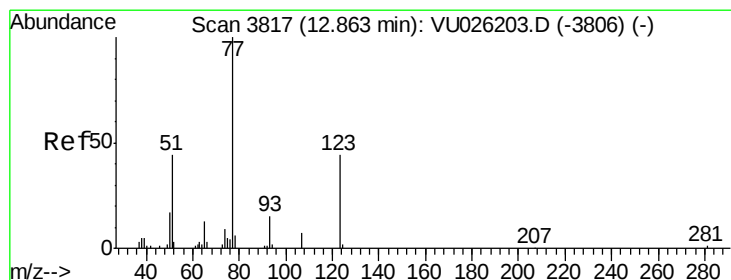
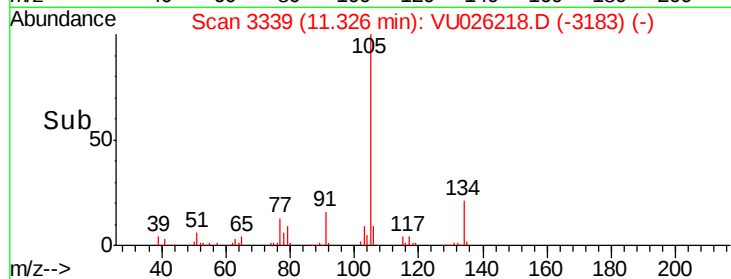
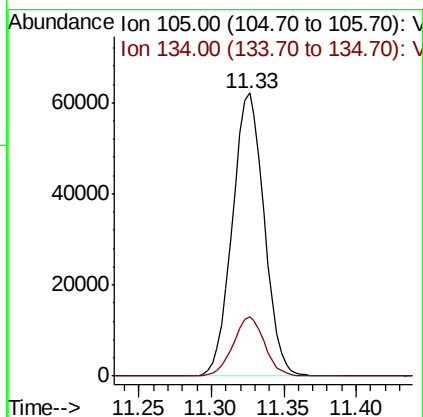
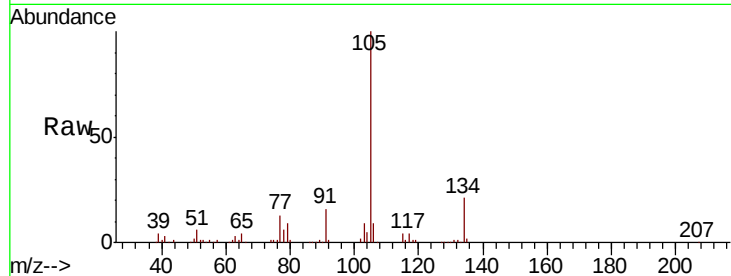
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	15.6	23.4

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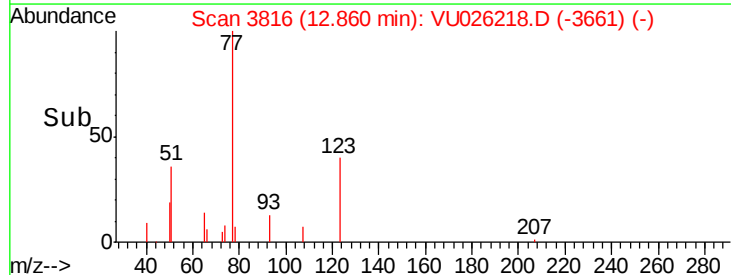
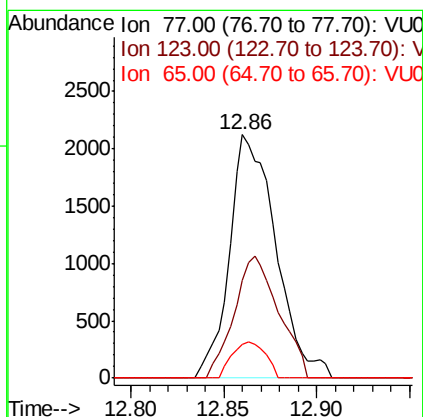
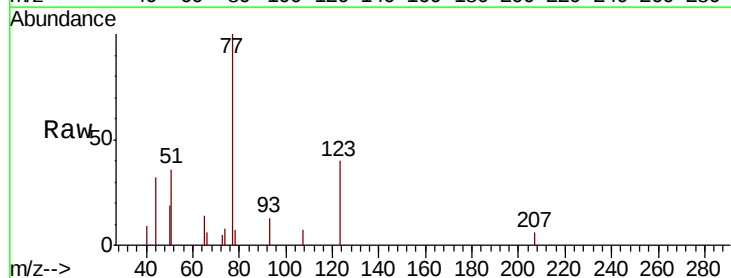
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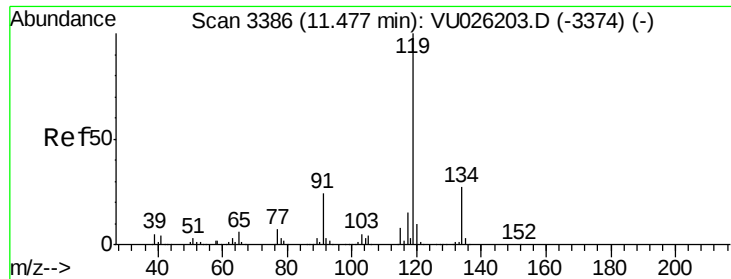
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#80
 Nitrobenzene
 Concen: 9.54 ug/l
 RT: 12.86 min Scan# 3816
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
77	100		
123	47.9	19.4	68.6
65	10.6	11.2	14.2#





#81
 p-Isopropyltoluene
 Concen: 2.00 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

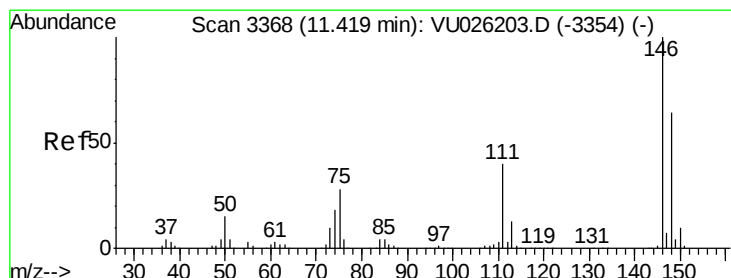
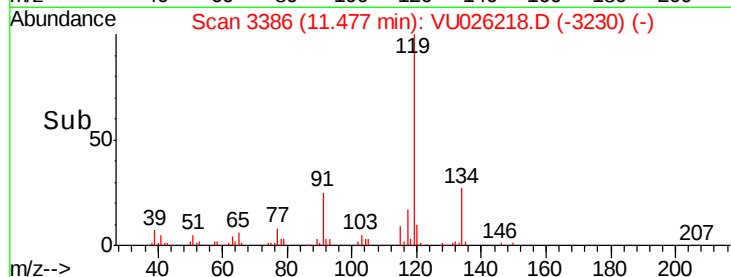
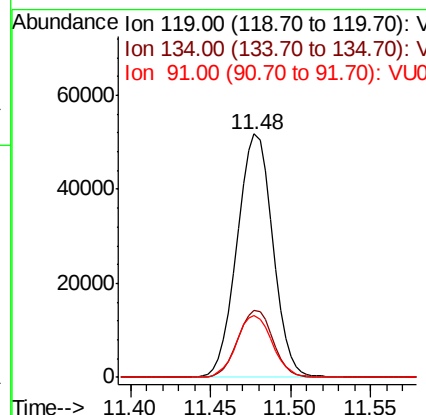
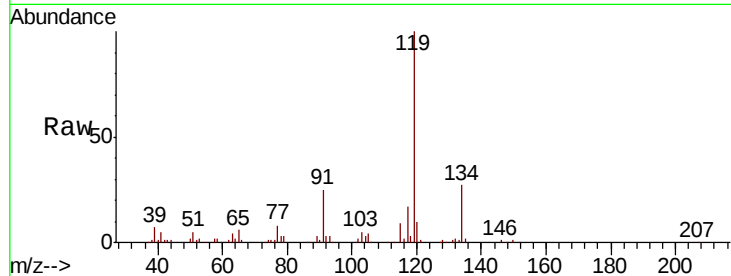
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.1	20.9	31.3
91	25.6	18.2	27.2

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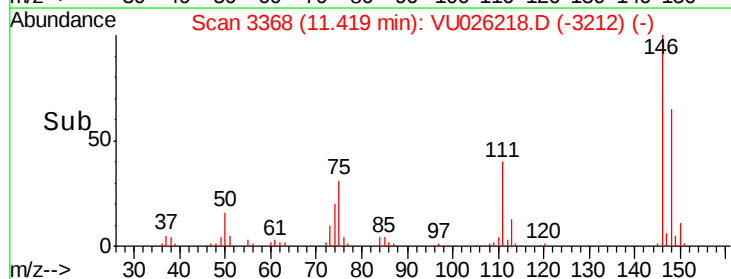
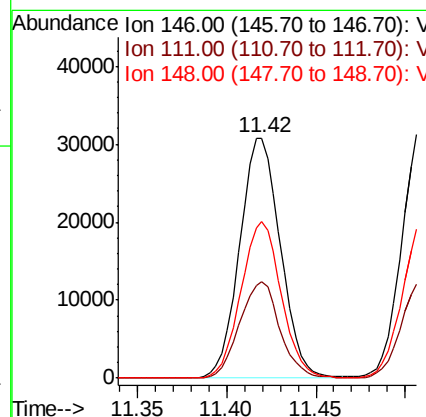
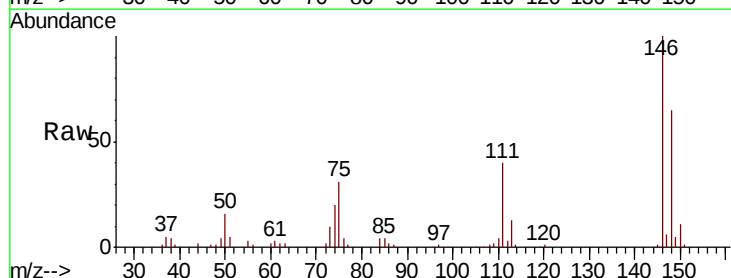
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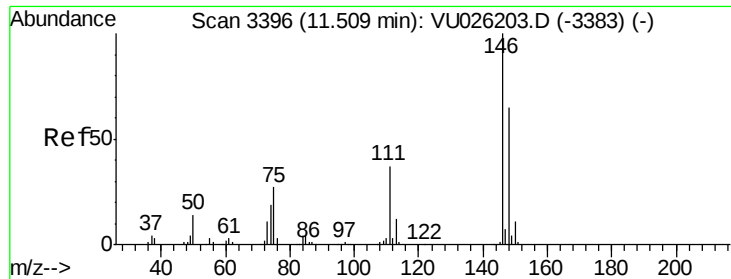
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#82
 1,3-Dichlorobenzene
 Concen: 2.09 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.8	47.6
148	64.5	51.0	76.4





#83
 1,4-Dichlorobenzene
 Concen: 2.17 ug/l
 RT: 11.51 min Scan# 3396
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

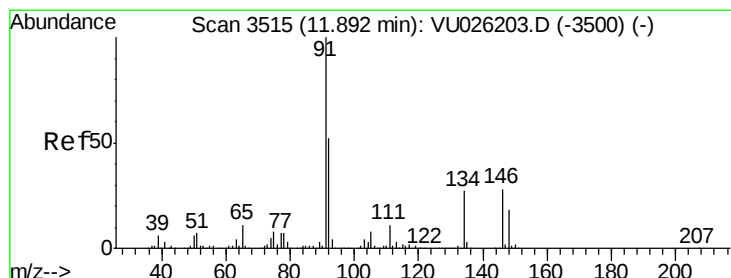
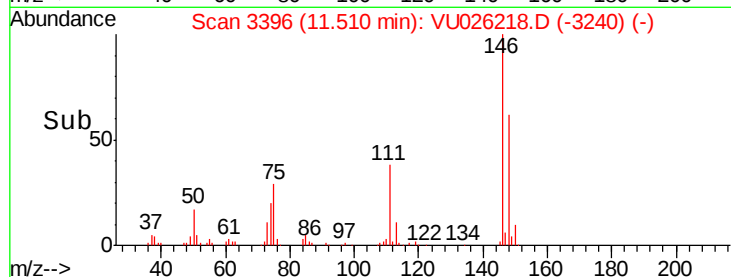
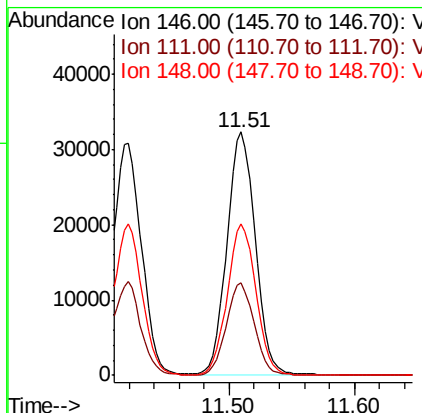
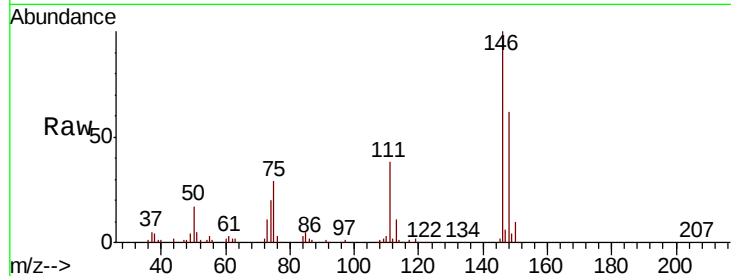
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	30.1	45.1
148	62.5	50.6	76.0

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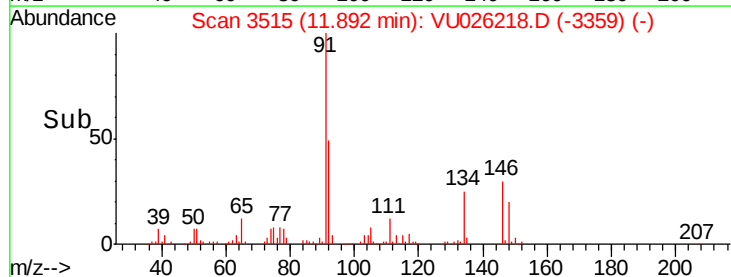
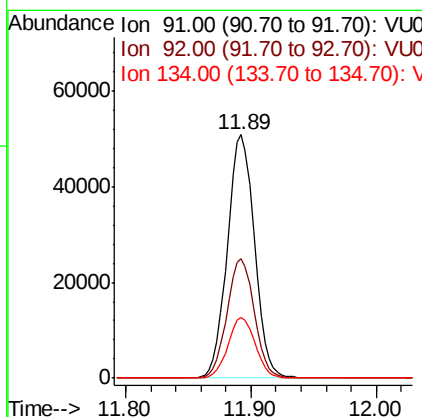
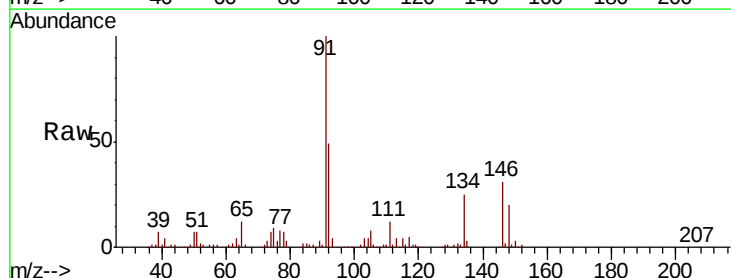
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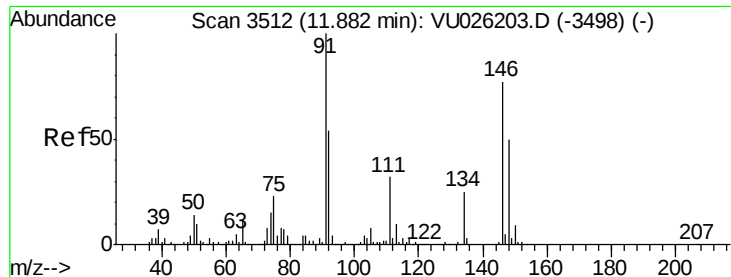
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#84
 n-Butylbenzene
 Concen: 2.01 ug/l
 RT: 11.89 min Scan# 3515
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.1	42.2	63.2
134	24.8	20.3	30.5





#85
 1,2-Dichlorobenzene
 Concen: 2.11 ug/l
 RT: 11.88 min Scan# 3511
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

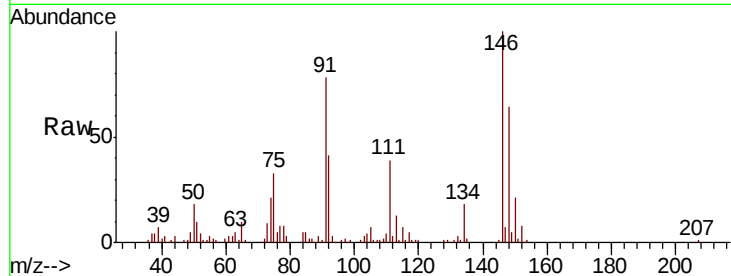
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.7	62.1
148	63.2	31.9	95.5

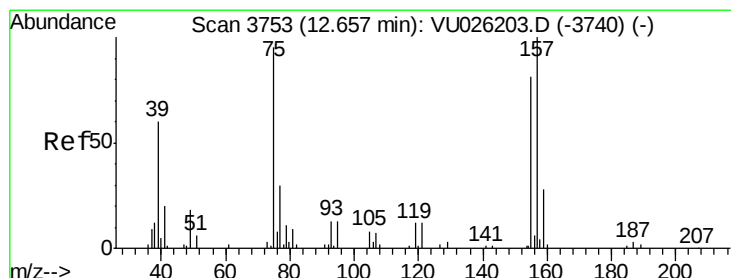
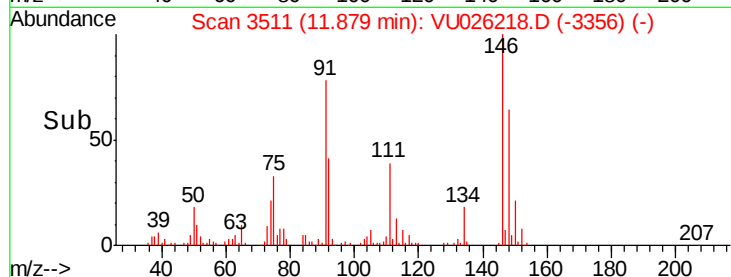
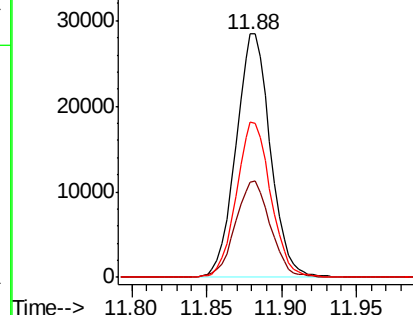
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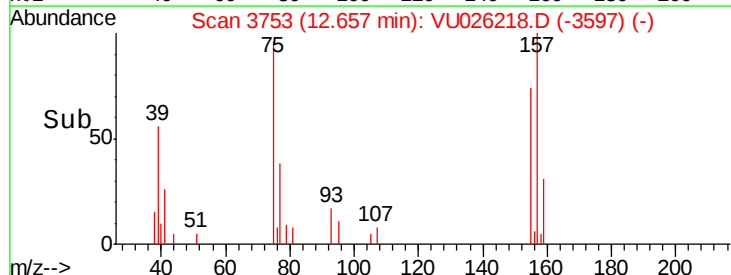
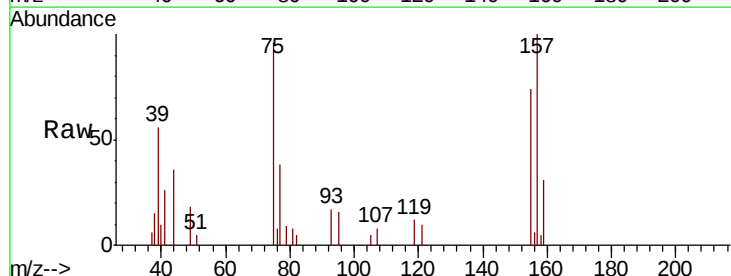
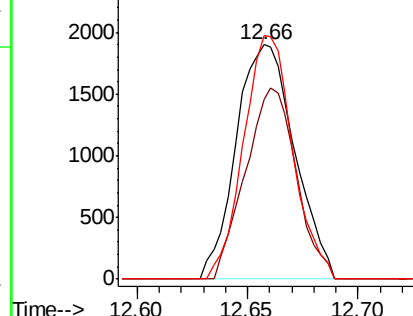
Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

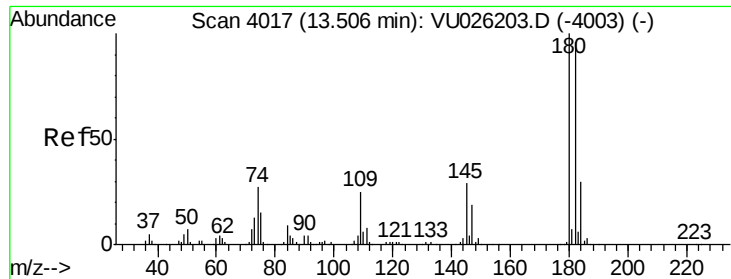


#86
 1,2-Dibromo-3-Chloropropane
 Concen: 2.24 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.8	65.8	98.6
157	87.4	83.5	125.3

Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 155.00 (154.70 to 155.70): V
 Ion 157.00 (156.70 to 157.70): V





#87
 1,2,4-Trichlorobenzene
 Concen: 1.91 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

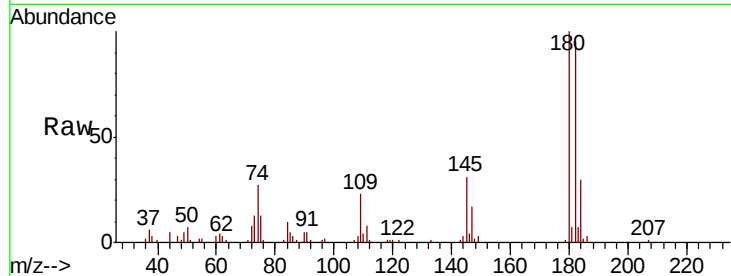
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0820WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.1	115.7
145	30.6	23.3	34.9

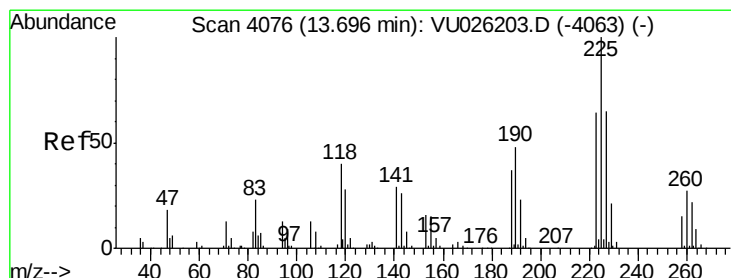
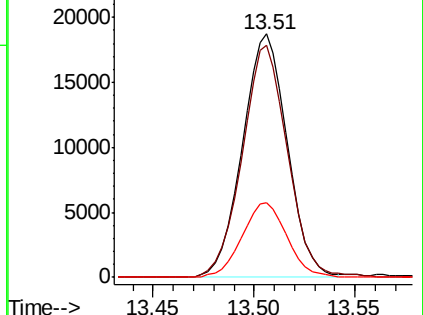
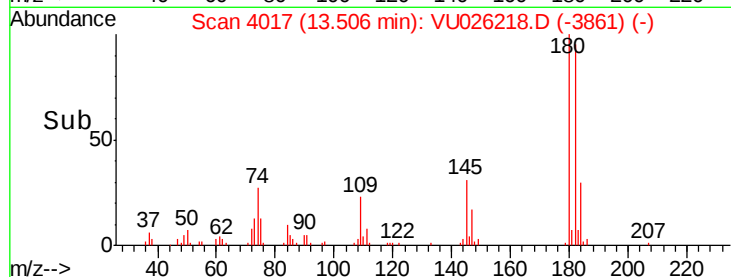
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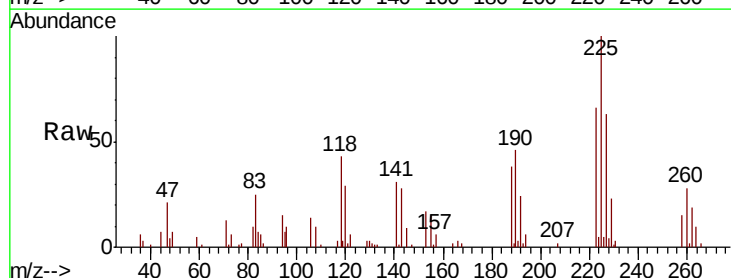


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

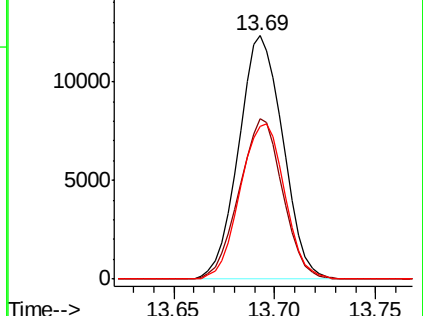
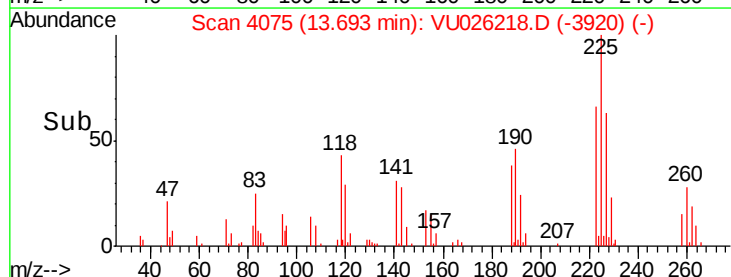


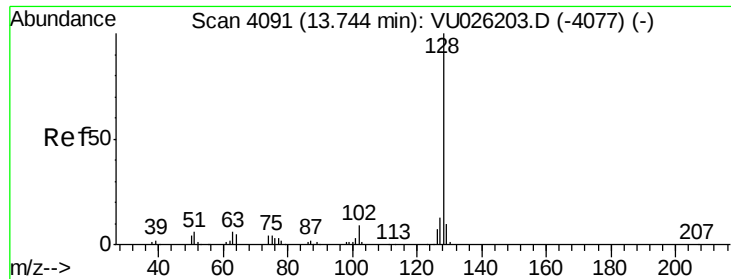
#88
 Hexachlorobutadiene
 Concen: 2.03 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026218.D
 Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.6	50.6	75.8
227	64.2	51.8	77.6



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





#89
Naphthalene
Concen: 1.79 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

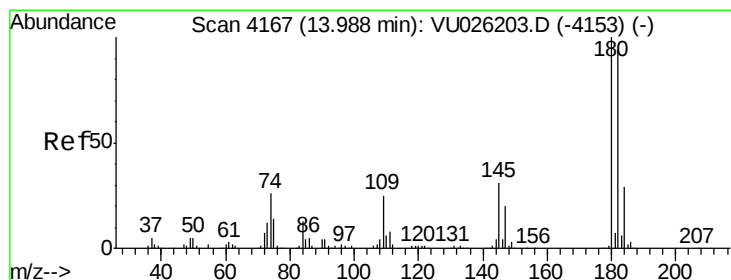
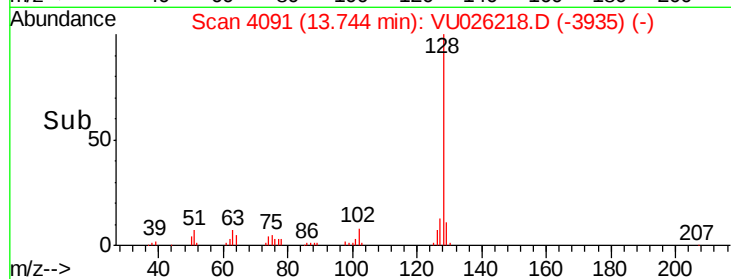
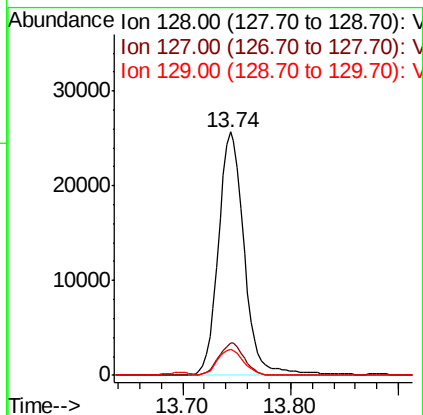
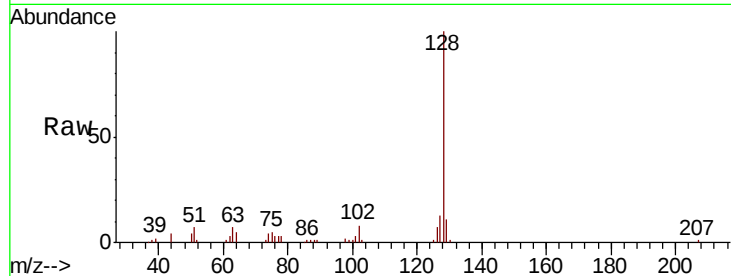
Instrument :
MSVOA_U
ClientSampleId :
VU0820WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.5	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 1.95 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026218.D
Acq: 20 Aug 2018 19:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	76.8	115.2
145	31.3	24.6	36.8

