

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026205.D
 Acq On : 20 Aug 2018 13:36
 Operator : MD/SY
 Sample : VSTDICV010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Manual Integrations
 APPROVED

MMDadoda
 8/21/2018 11:34:27 AM

Quant Time: Aug 21 08:12:05 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	36846	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14426	1.09	ug/l	0.00
Spiked Amount 1.000			Recovery	=	109.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15720	1.02	ug/l	0.00
Spiked Amount 1.000			Recovery	=	102.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.20	85	103102	7.19	ug/l	96
3) Chloromethane	1.33	50	106778	8.73	ug/l	98
4) Vinyl Chloride	1.40	62	112302	9.18	ug/l	99
5) Bromomethane	1.63	94	69299	10.30	ug/l	99
6) Chloroethane	1.70	64	65451	8.93	ug/l	99
7) Trichlorofluoromethane	1.89	101	168605	9.33	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	93063	9.29	ug/l	99
9) 1,1-Dichloroethene	2.29	96	85564	10.00	ug/l	99
10) Iodomethane	2.41	142	146154	10.87	ug/l	93
11) Allyl Chloride	2.60	41	144094	10.01	ug/l	87
12) Acrylonitrile	2.94	53	93087	47.98	ug/l	98
13) Acetone	2.32	43	139404	95.08	ug/l	98
14) Carbon Disulfide	2.48	76	290130	9.81	ug/l	100
15) Methylene Chloride	2.70	84	93412	10.45	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	96283	9.72	ug/l	94
17) 1,1-Dichloroethane	3.45	63	176264	9.73	ug/l	98
18) 2-Butanone	4.28	43	201234	72.46	ug/l	99
19) Cyclohexane	5.00	56	146608	11.01	ug/l	86
20) Methylcyclohexane	6.42	83	176218	11.30	ug/l	95
21) 2,2-Dichloropropane	4.23	77	182350	9.79	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	118400	9.85	ug/l	92
23) Diethyl Ether	2.10	59	63270	9.66	ug/l	97
24) tert-Butyl Alcohol	2.83	59	30298	45.18	ug/l #	81
25) Methyl tert-Butyl Ether	3.01	73	221933	9.95	ug/l	97
26) Bromochloromethane	4.55	128	52083	9.69	ug/l	82
27) Chloroform	4.68	83	203495	9.71	ug/l	98
28) 1,1,1-Trichloroethane	4.92	97	189215	10.16	ug/l	98
29) 1,1-Dichloropropene	5.14	75	154618	10.53	ug/l	97
30) Carbon Tetrachloride	5.14	117	176868	10.07	ug/l	96
31) Isopropyl Ether	3.58	45	317858	10.65	ug/l #	1
34) Propionitrile	4.34	54	81276	102.76	ug/l #	92
35) Benzene	5.39	78	438868	10.34	ug/l	99
36) 1,2-Dichloroethane	5.41	62	130730	9.93	ug/l	98
37) Trichloroethene	6.19	130	119973	10.04	ug/l	99
38) 1,2-Dichloropropane	6.44	63	112172	10.20	ug/l	97
39) Methacrylonitrile	4.55	41	35067	10.50	ug/l	90
40) Methyl acrylate	4.43	55	53869	10.64	ug/l #	91
41) Tetrahydrofuran	4.65	42	89077	47.97	ug/l	93
42) 1-Chlorobutane	5.07	56	212685	10.70	ug/l	97
43) Dibromomethane	6.56	93	57625	9.86	ug/l	97
44) Bromodichloromethane	6.76	83	151605	10.05	ug/l	97

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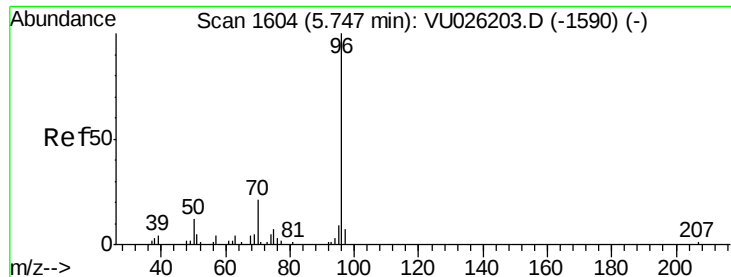
Manual Integrations
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.47	43	407696	68.84	ug/l	97
46) t-1,4-Dichloro-2-butene	10.51	75	31105m	10.64	ug/l	
47) Methyl methacrylate	6.63	69	49846	11.17	ug/l	96
48) Ethyl methacrylate	8.02	69	95443	11.68	ug/l	99
49) Toluene	7.64	92	278061	11.47	ug/l	99
50) t-1,3-Dichloropropene	7.88	75	145450	11.30	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	162987	10.92	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	81973	10.34	ug/l	95
53) 1,3-Dichloropropane	8.25	76	138031	10.49	ug/l	100
54) 2-Hexanone	8.37	43	310011	73.53	ug/l	97
55) Dibromochloromethane	8.48	129	107390	10.14	ug/l	100
56) 1,2-Dibromoethane	8.59	107	80583	10.45	ug/l	99
58) Tetrachloroethene	8.23	164	115411	10.22	ug/l	99
59) Chlorobenzene	9.12	112	308550	10.99	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	115730	10.33	ug/l	98
61) Pentachloroethane	11.10	117	96338	10.08	ug/l	95
62) Hexachloroethane	12.15	117	98741	10.36	ug/l	98
63) Ethyl Benzene	9.25	91	529573	11.88	ug/l	99
64) m/p-Xylenes	9.38	106	434323	24.42	ug/l	96
65) o-Xylene	9.78	106	198436	11.70	ug/l	100
66) Styrene	9.79	104	344064	11.85	ug/l	99
67) Bromoform	9.96	173	65037	10.42	ug/l	99
69) Isopropylbenzene	10.17	105	554561	12.37	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	101183	10.18	ug/l	98
71) 1,2,3-Trichloropropane	10.50	75	75834m	10.66	ug/l	
72) Bromobenzene	10.45	156	139288	11.10	ug/l	95
73) n-propylbenzene	10.59	120	158093	12.06	ug/l	93
74) 2-Chlorotoluene	10.66	126	133400	11.28	ug/l	91
75) 1,3,5-Trimethylbenzene	10.77	105	483294	12.13	ug/l	99
76) 4-Chlorotoluene	10.77	126	147116	12.10	ug/l	93
77) tert-Butylbenzene	11.10	119	463966	11.69	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	499762	12.12	ug/l	100
79) sec-Butylbenzene	11.33	105	595829	11.46	ug/l	98
80) Nitrobenzene	12.86	77	5810	13.38	ug/l #	95
81) p-Isopropyltoluene	11.48	119	537000	12.21	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	285457	10.80	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	284610	10.79	ug/l	98
84) n-Butylbenzene	11.89	91	513015	12.05	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	258363	10.65	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	18511	10.58	ug/l	98
87) 1,2,4-Trichlorobenzene	13.50	180	206834	12.12	ug/l	99
88) Hexachlorobutadiene	13.69	225	115500	11.06	ug/l	98
89) Naphthalene	13.74	128	339490	12.63	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	183693	11.43	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: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

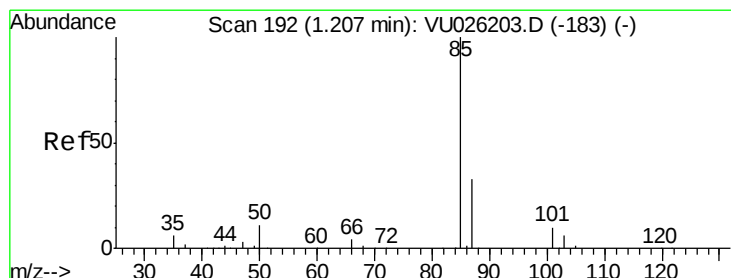
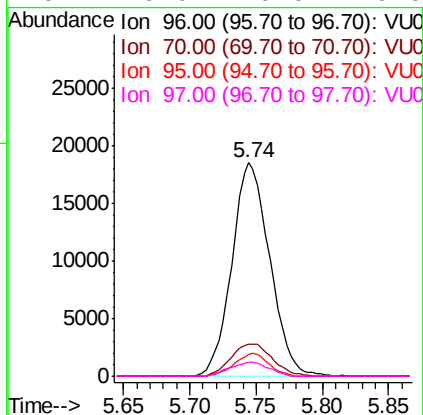
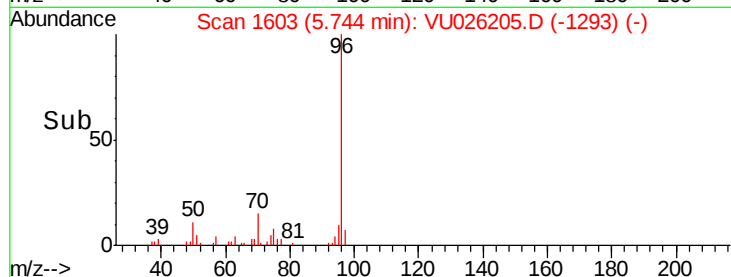
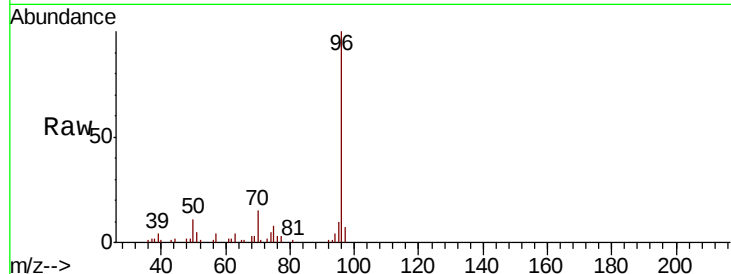
ClientSampleId :

ICVVU082018

Tot Ion:	96	Resp:	36846
Ion	Ratio	Lower	Upper
96	100		
70	16.7	16.2	24.4
95	9.6	6.9	10.3
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 7.19 ug/l

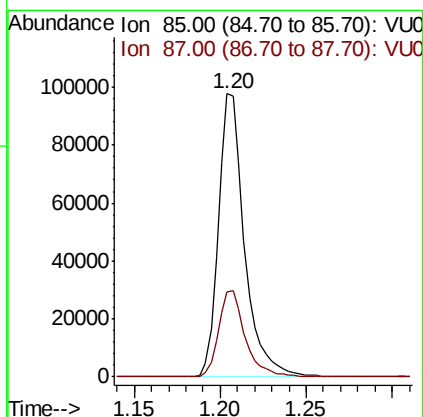
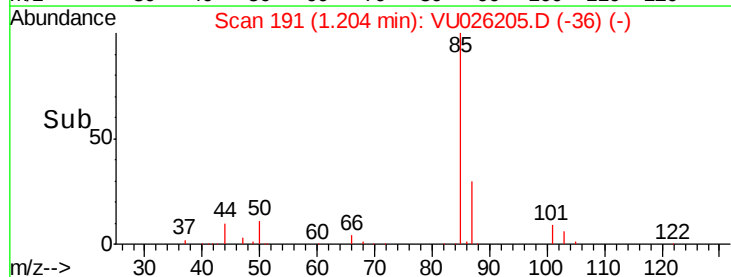
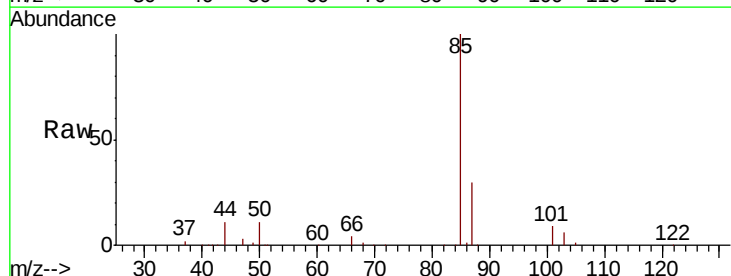
RT: 1.20 min Scan# 191

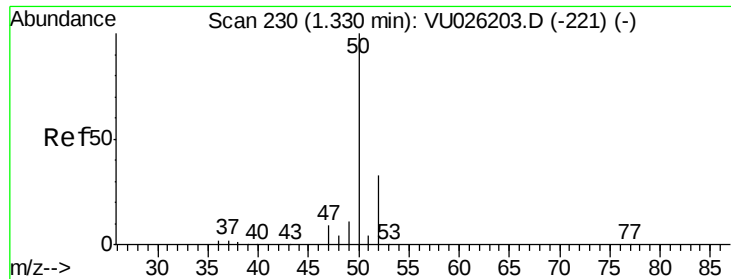
Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	85	Resp:	103102
Ion	Ratio	Lower	Upper
85	100		
87	30.2	16.2	48.5





#3

Chloromethane

Concen: 8.73 ug/l

RT: 1.33 min Scan# 230

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 50 Resp: 106778

Ion Ratio Lower Upper

50 100

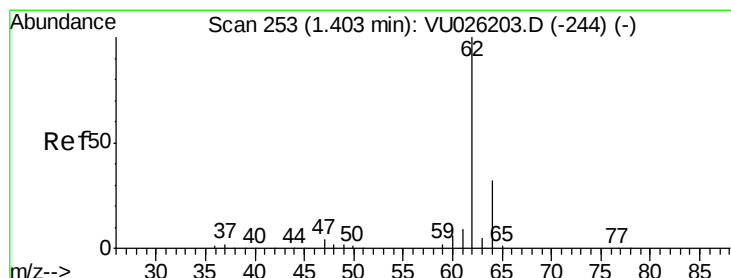
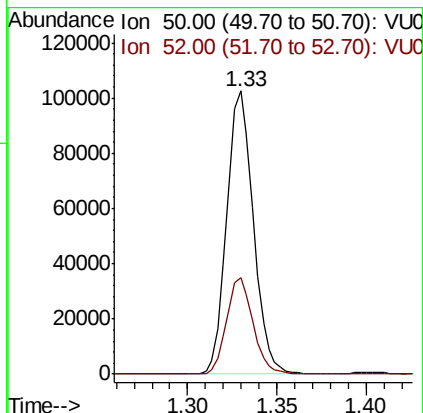
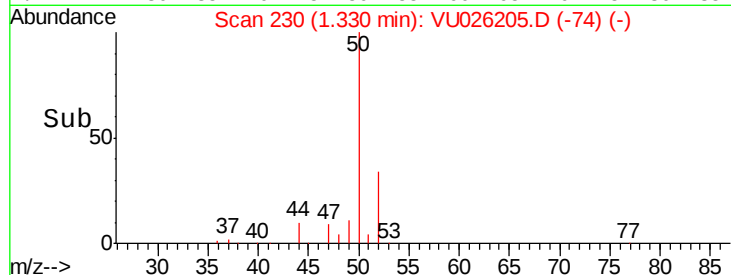
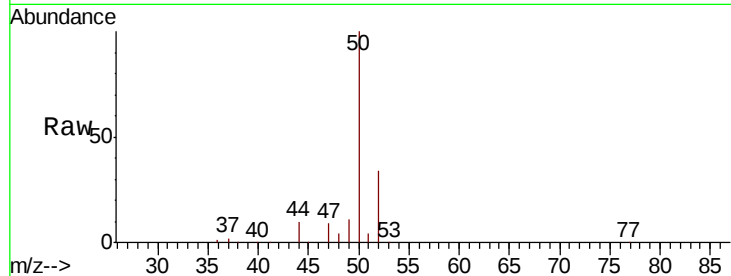
52 33.9 26.0 39.0

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#4

Vinyl Chloride

Concen: 9.18 ug/l

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU026205.D

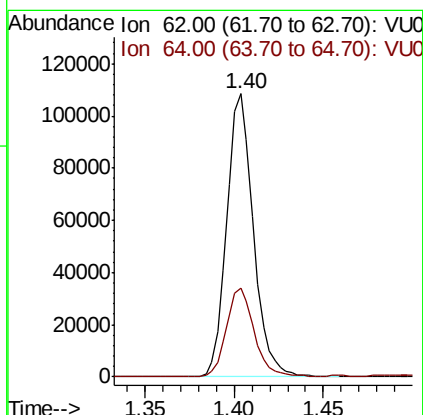
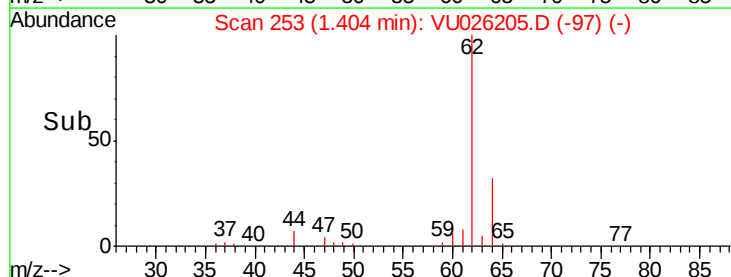
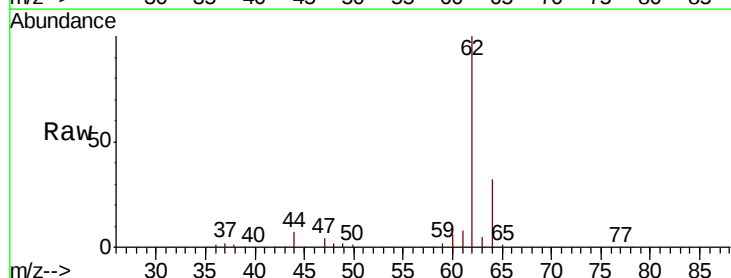
Acq: 20 Aug 2018 13:36

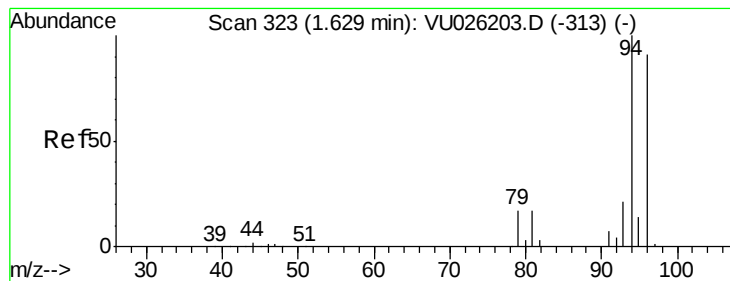
Tgt Ion: 62 Resp: 112302

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.8





#5

Bromomethane

Concen: 10.30 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 94 Resp: 69299

Ion Ratio Lower Upper

94 100

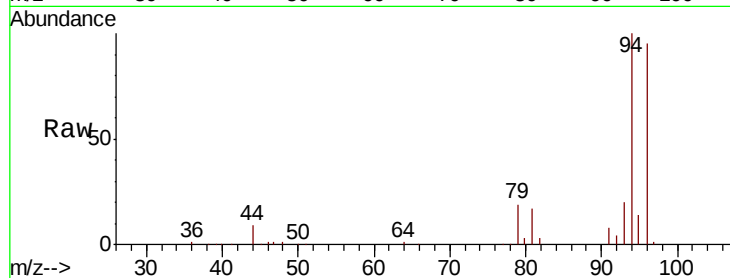
96 94.9 75.1 112.7

Manual Integrations

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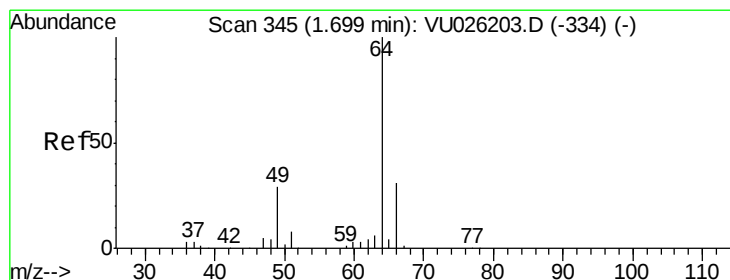
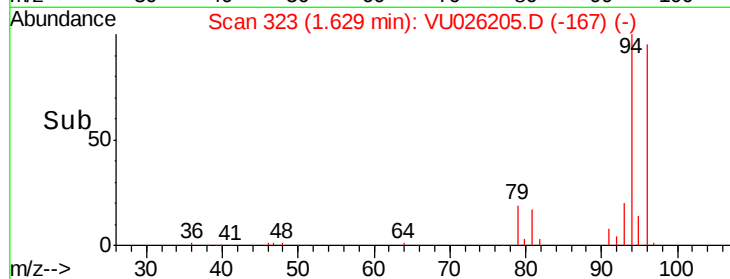
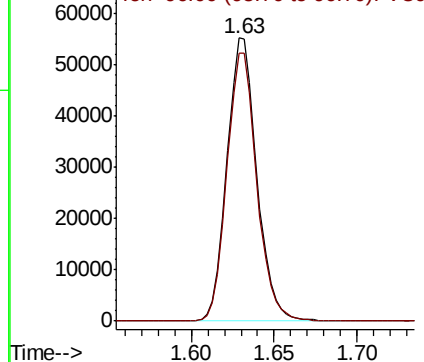
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 8.93 ug/l

RT: 1.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VU026205.D

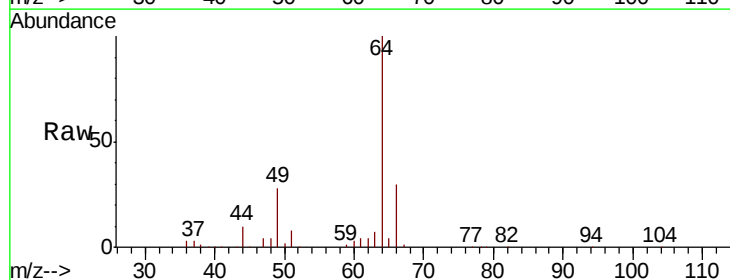
Acq: 20 Aug 2018 13:36

Tgt Ion: 64 Resp: 65451

Ion Ratio Lower Upper

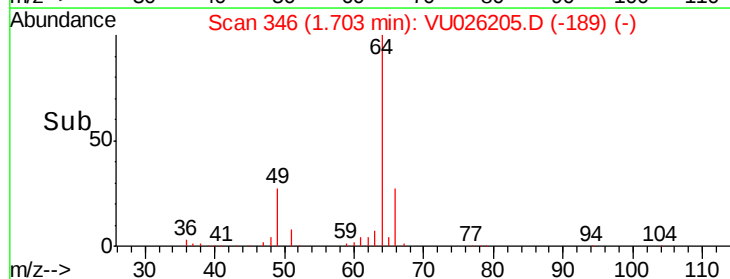
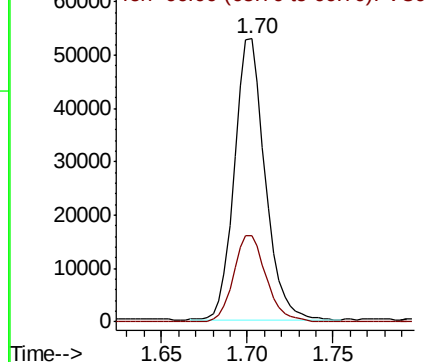
64 100

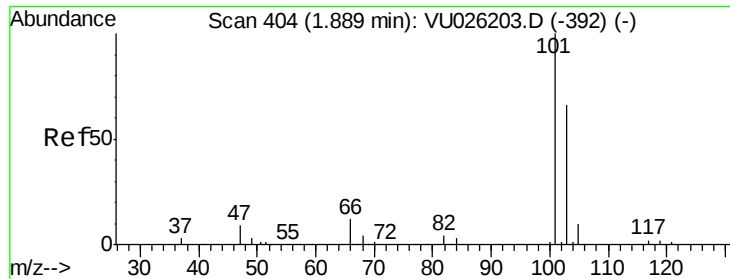
66 30.7 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane

Concen: 9.33 ug/l

RT: 1.89 min Scan# 404

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion:101 Resp: 168605

Ion Ratio Lower Upper

101 100

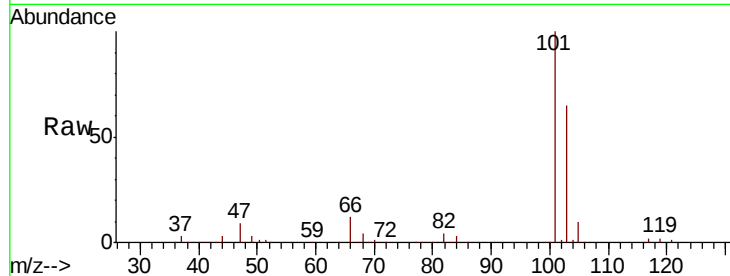
103 64.7 51.4 77.0

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

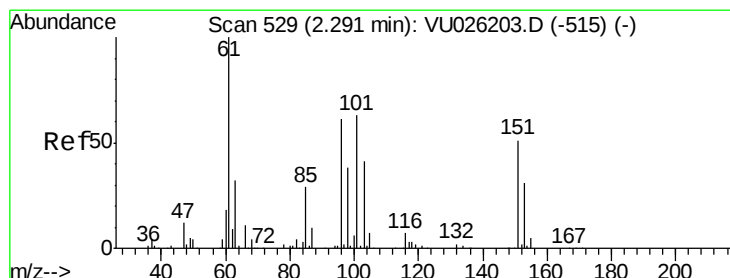
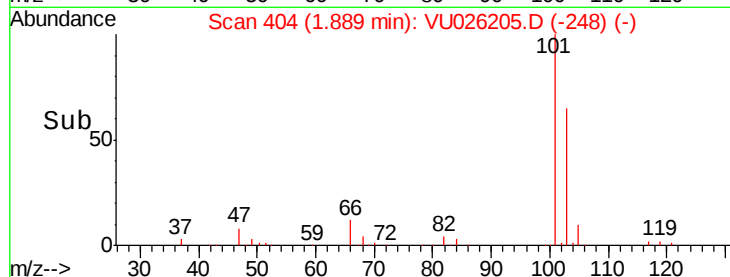
1.89

100000

50000

0

Time--> 1.80 1.85 1.90 1.95



#8

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

Concen: 9.29 ug/l

RT: 2.29 min Scan# 529

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

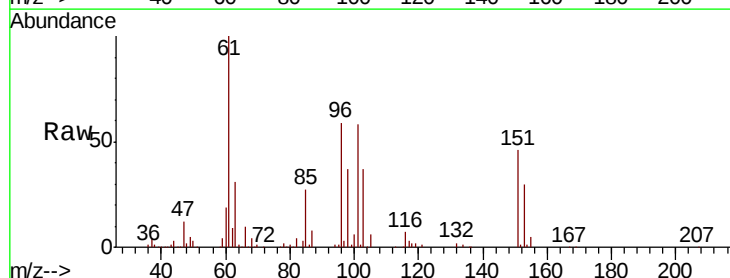
Tgt Ion:101 Resp: 93063

Ion Ratio Lower Upper

101 100

85 45.6 35.2 52.8

151 80.0 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

2.29

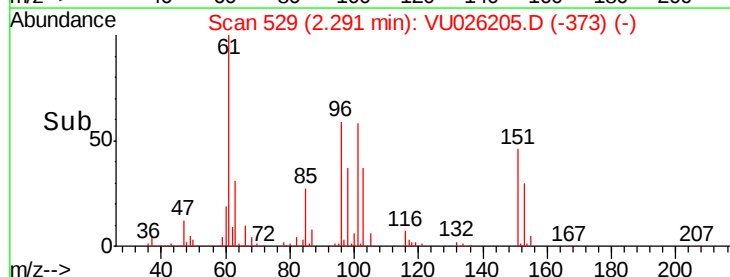
60000

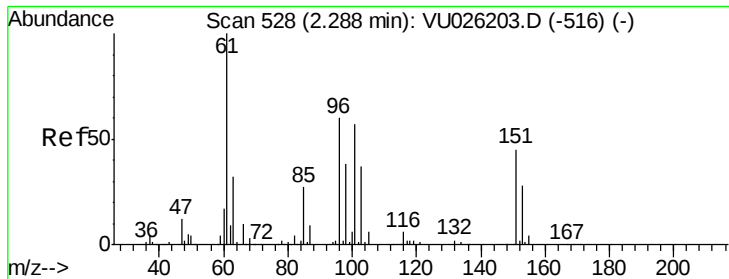
40000

20000

0

Time--> 2.20 2.25 2.30 2.35





#9

1,1-Dichloroethene

Concen: 10.00 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

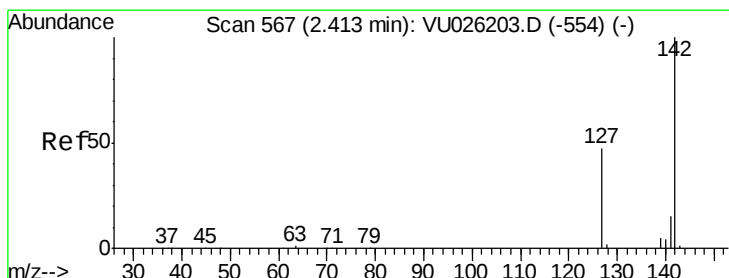
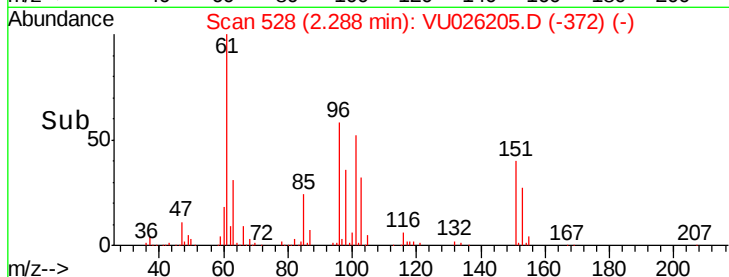
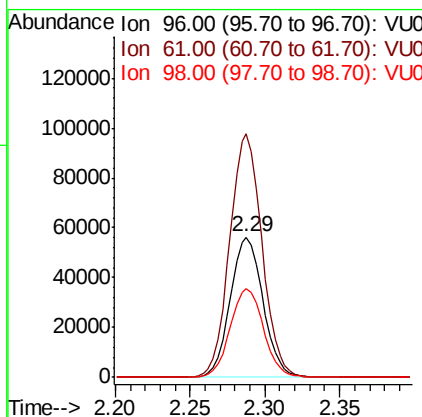
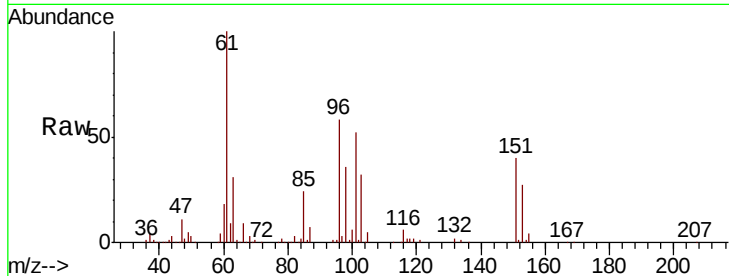
ClientSampleId :

ICVVU082018

Tot Ion:	96	Resp:	85564
Ion	Ratio	Lower	Upper
96	100		
61	173.8	0.0	526.5
98	63.1	0.0	123.4

Manual Integrations
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#10

Iodomethane

Concen: 10.87 ug/l

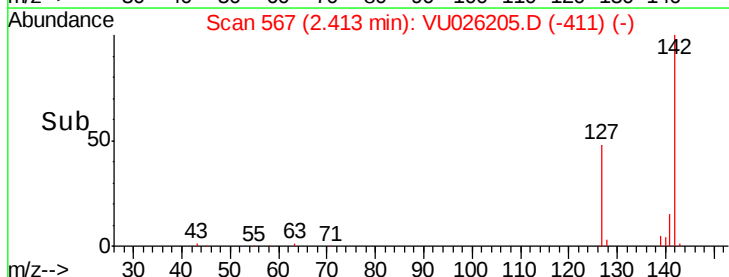
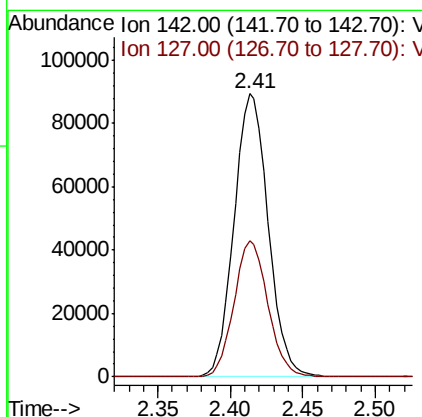
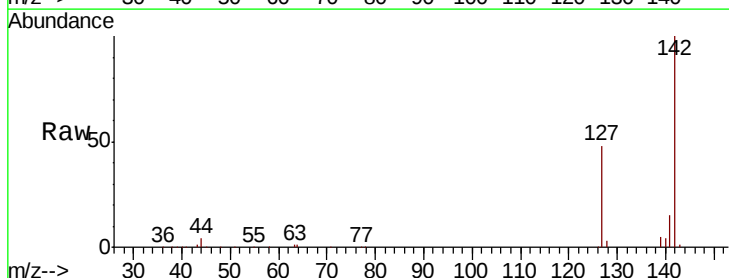
RT: 2.41 min Scan# 567

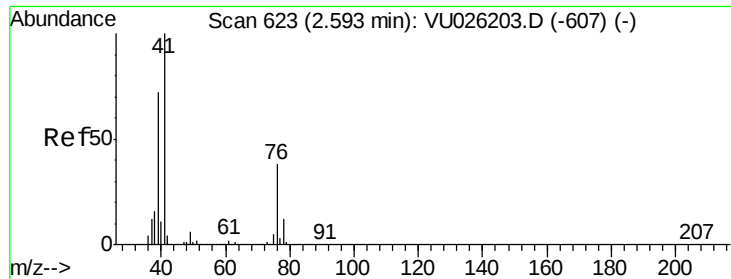
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	142	Resp:	146154
Ion	Ratio	Lower	Upper
142	100		
127	47.8	34.5	51.7





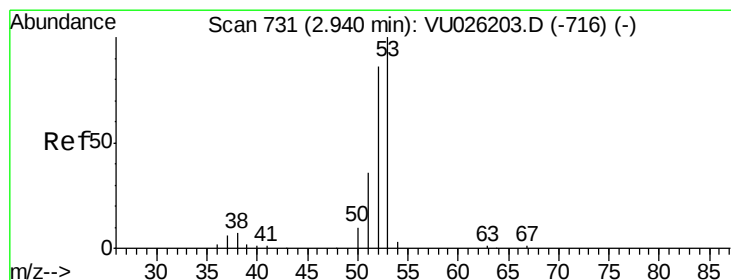
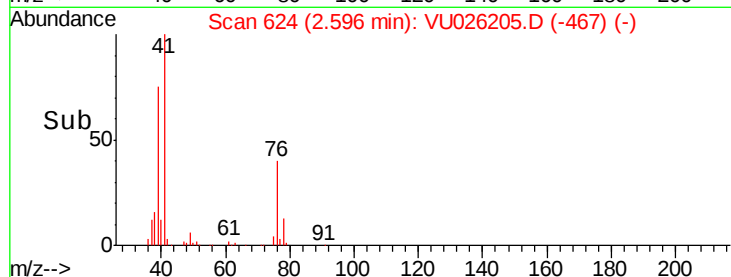
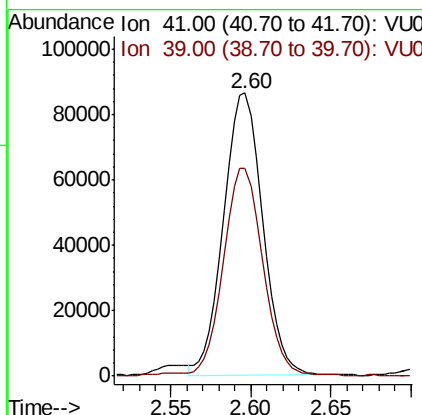
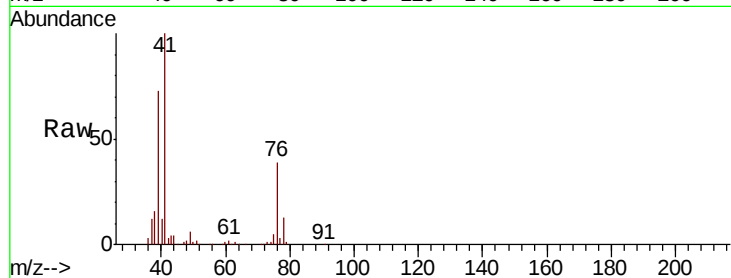
#11
Allvl Chloride
Concen: 10.01 ug/l
RT: 2.60 min Scan# 624
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion: 41 Resp: 144094
Ion Ratio Lower Upper
41 100
39 74.4 51.4 77.2

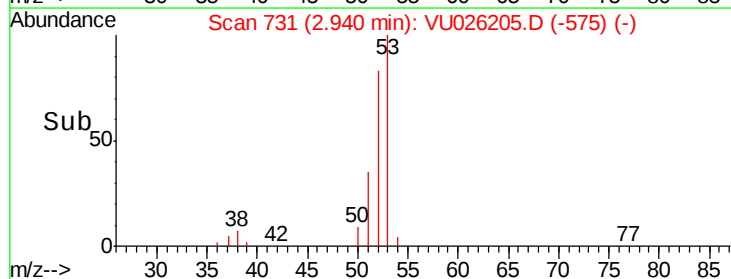
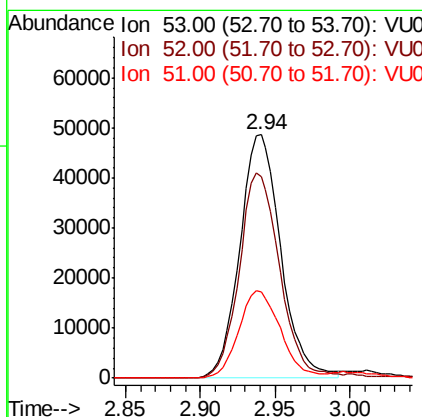
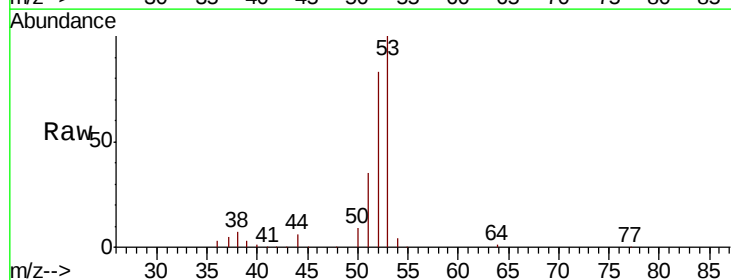
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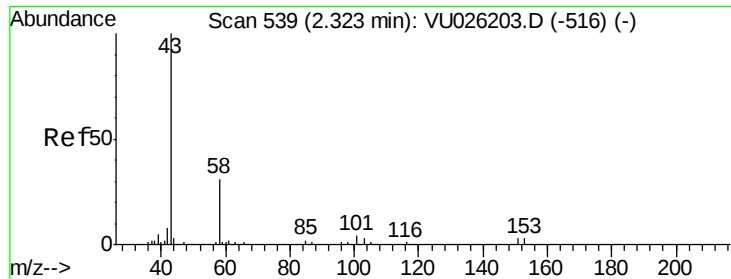
MMDadoda
8/21/2018 11:34:27 AM



#12
Acrylonitrile
Concen: 47.98 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 53 Resp: 93087
Ion Ratio Lower Upper
53 100
52 83.2 65.1 97.7
51 36.4 30.2 45.4





#13

Acetone

Concen: 95.08 ug/l

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 43 Resp: 139404

Ion Ratio Lower Upper

43 100

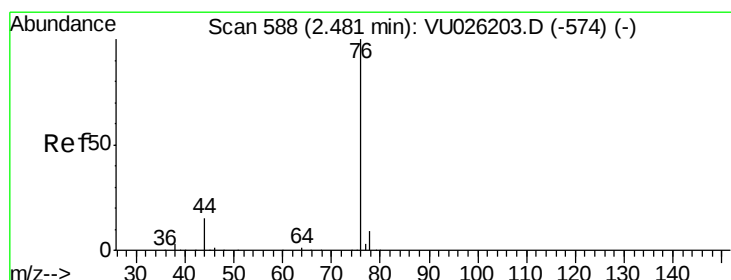
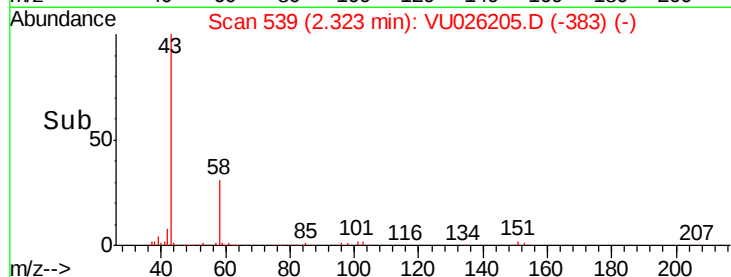
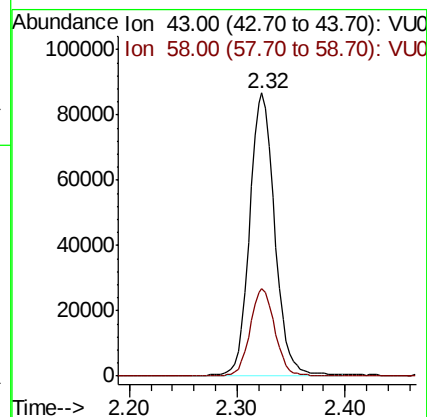
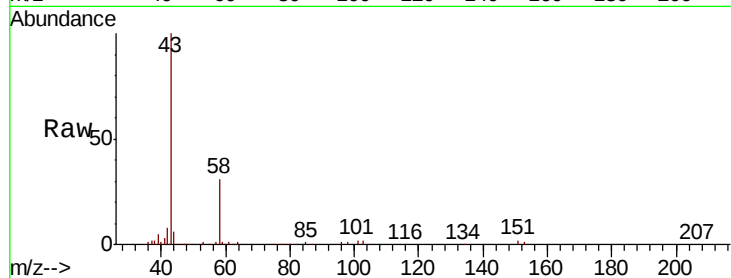
58 31.1 26.0 39.0

Manual Integrations

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8/21/2018 11:34:27 AM



#14

Carbon Disulfide

Concen: 9.81 ug/l

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU026205.D

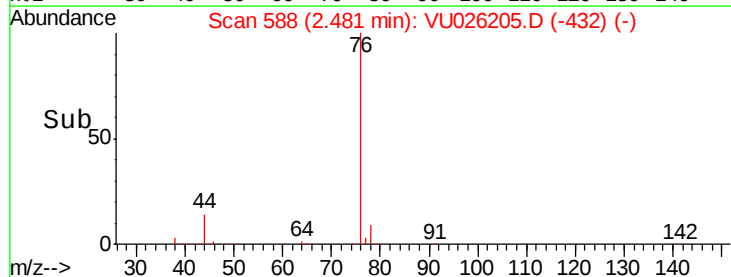
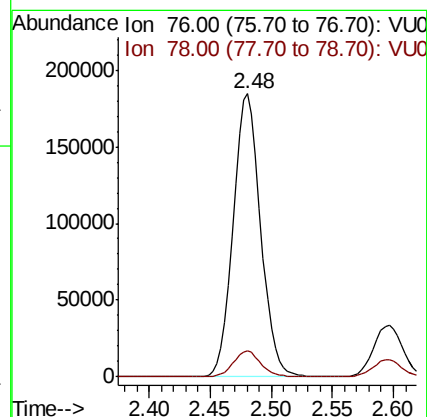
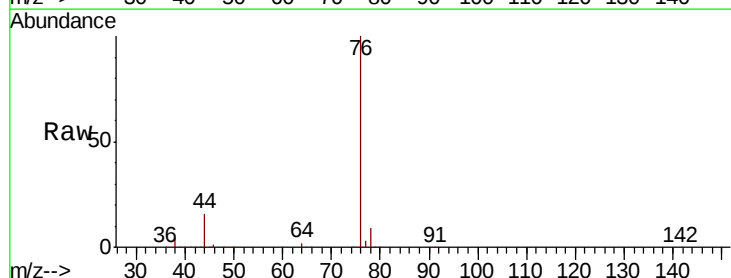
Acq: 20 Aug 2018 13:36

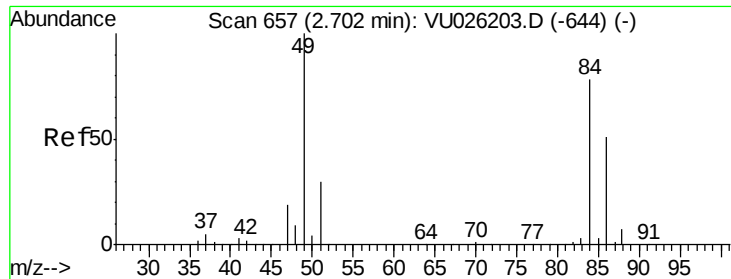
Tgt Ion: 76 Resp: 290130

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





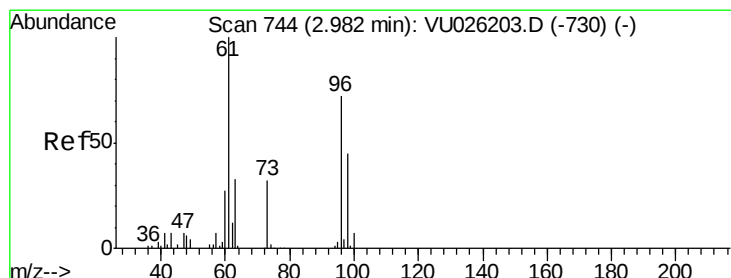
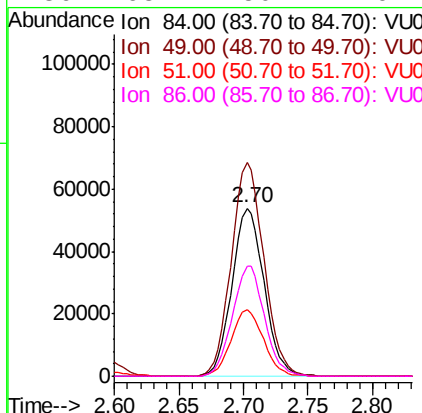
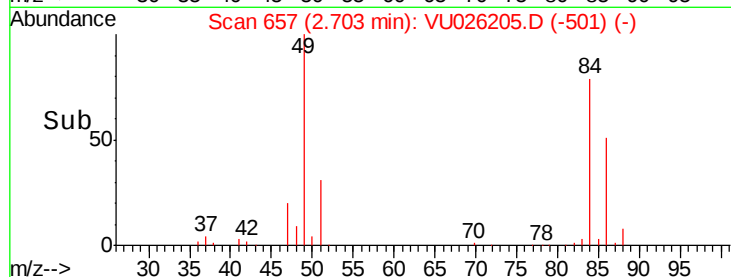
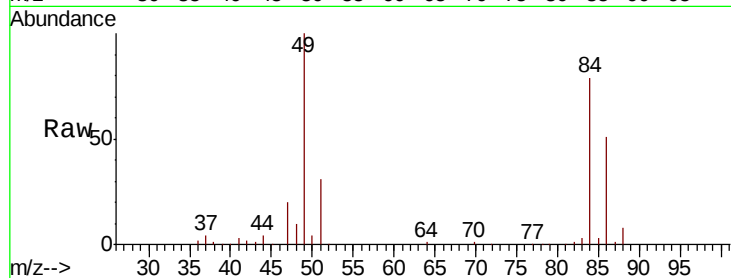
#15
Methvlene Chloride
Concen: 10.45 ug/l
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion:	84	Resp:	93412
Ion	Ratio	Lower	Upper
84	100		
49	127.0	108.7	163.1
51	39.3	0.0	82.4
86	65.2	50.7	76.1

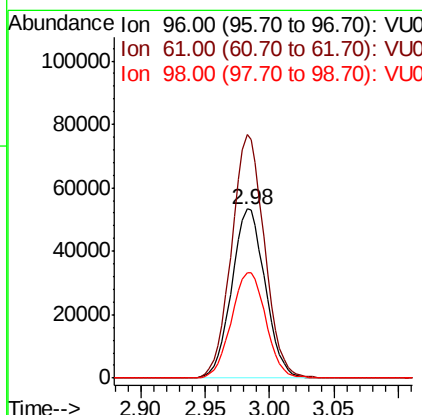
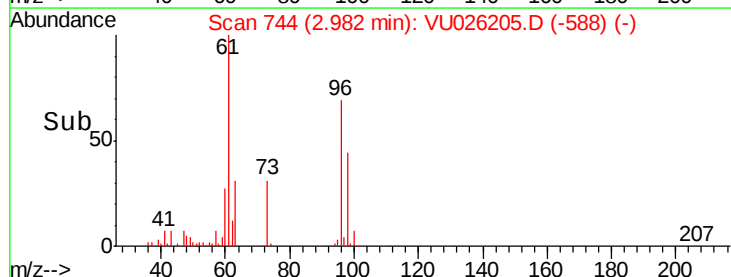
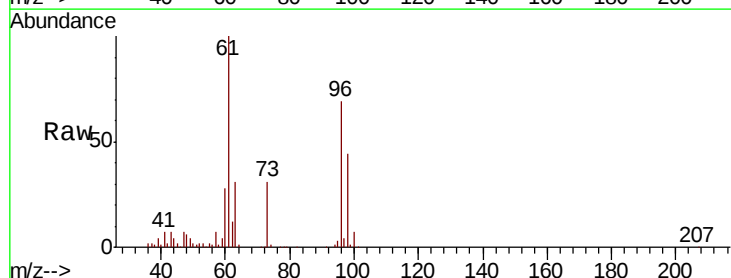
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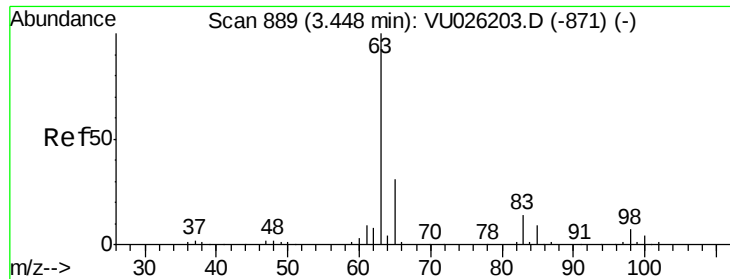
MMDadoda
8/21/2018 11:34:27 AM



#16
trans-1,2-Dichloroethene
Concen: 9.72 ug/l
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion:	96	Resp:	96283
Ion	Ratio	Lower	Upper
96	100		
61	144.3	123.9	185.9
98	62.8	50.6	76.0





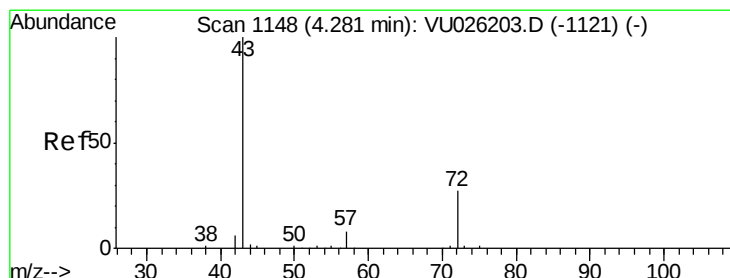
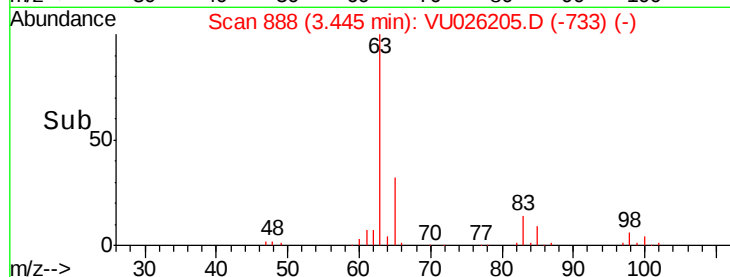
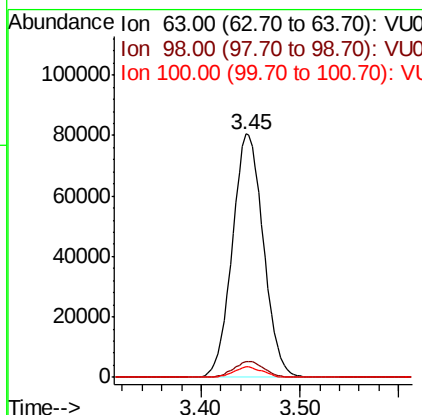
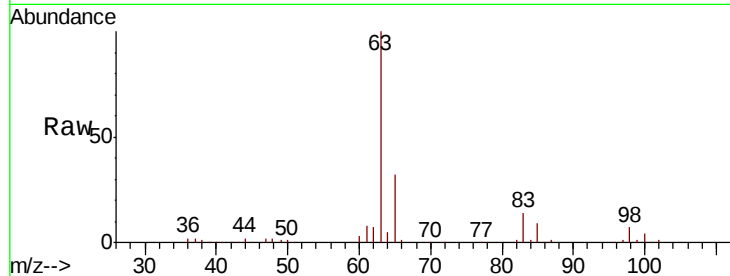
#17
 1,1-Dichloroethane
 Concen: 9.73 ug/l
 RT: 3.45 min Scan# 888
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion:	63	Resp:	176264
Ion Ratio	Lower	Upper	
63	100		
98	6.7	2.9	8.8
100	4.3	2.0	5.8

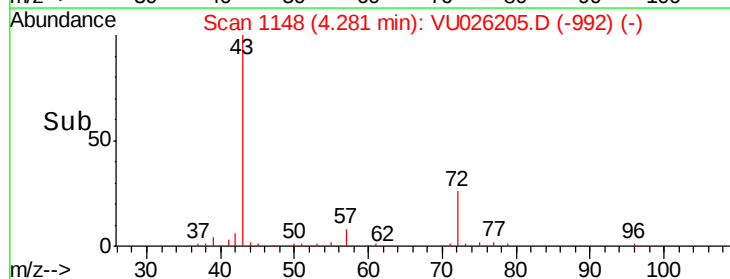
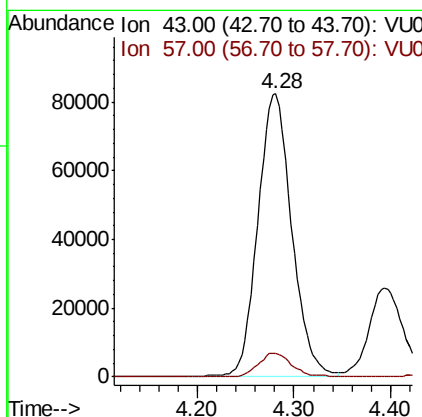
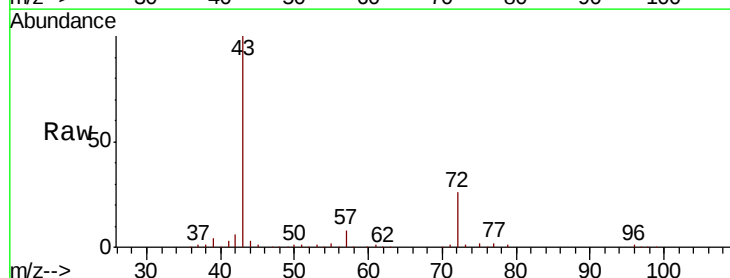
Manual Integrations
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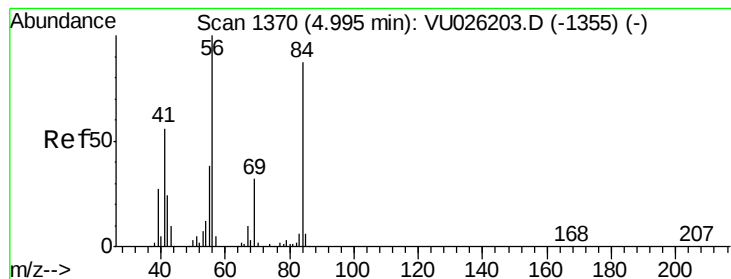
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#18
 2-Butanone
 Concen: 72.46 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion:	43	Resp:	201234
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	15.8





#19

Cyclohexane

Concen: 11.01 ug/l

RT: 5.00 min Scan# 1371

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

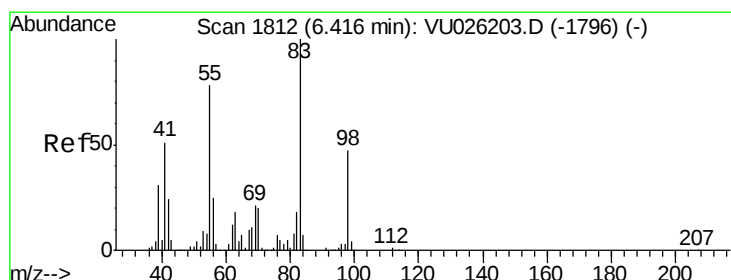
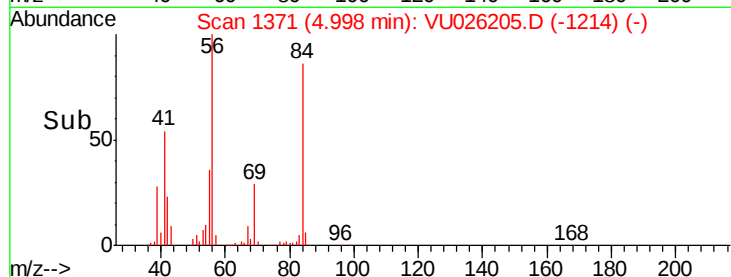
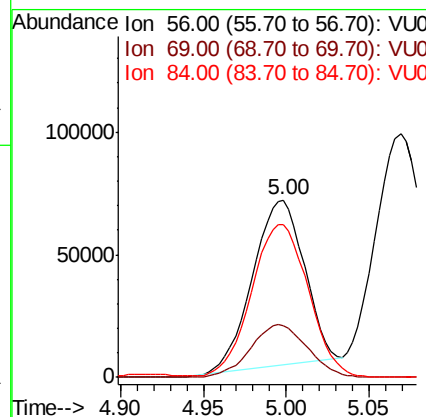
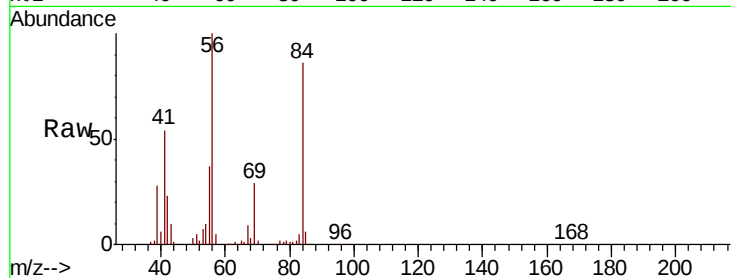
ClientSampleId :

ICVVU082018

Tot Ion:	56	Resp:	146608
Ion Ratio	Lower	Upper	
56	100		
69	35.1	26.0	39.0
84	101.0	68.3	102.5

Manual Integrations
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MMDadoda
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#20

Methylcyclohexane

Concen: 11.30 ug/l

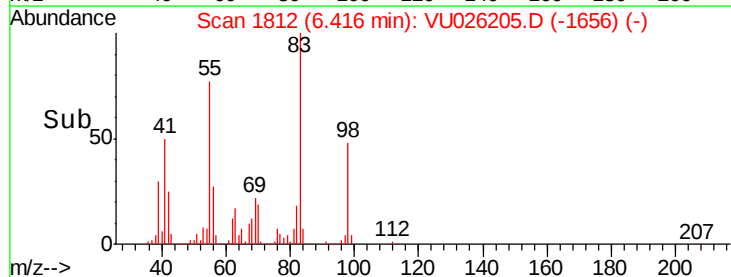
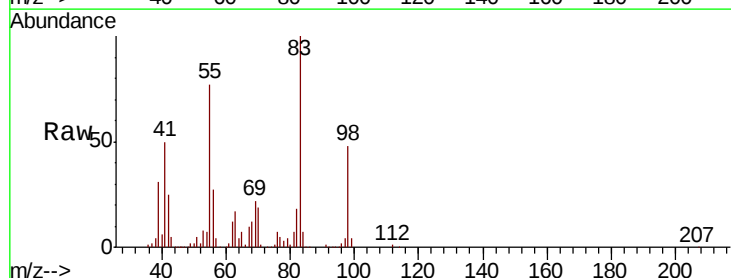
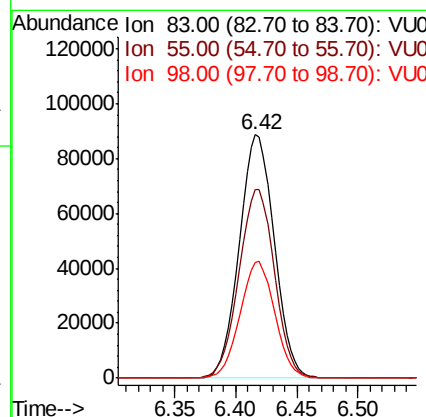
RT: 6.42 min Scan# 1812

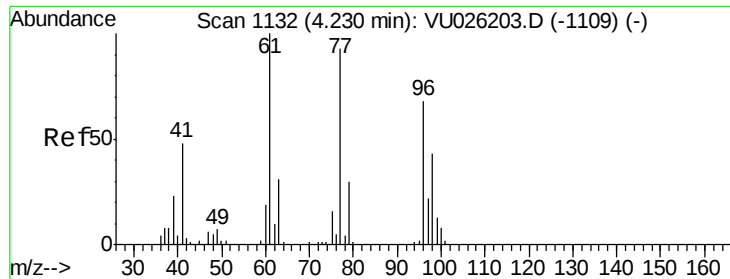
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	83	Resp:	176218
Ion Ratio	Lower	Upper	
83	100		
55	78.2	66.4	99.6
98	47.4	35.4	53.2





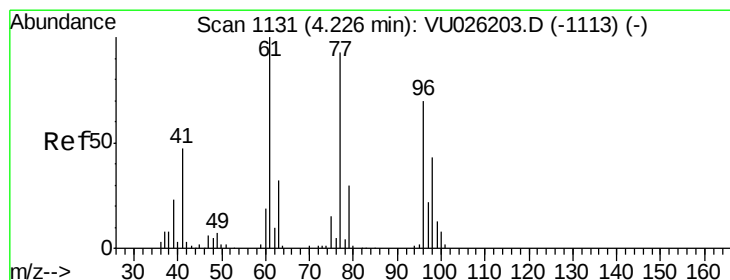
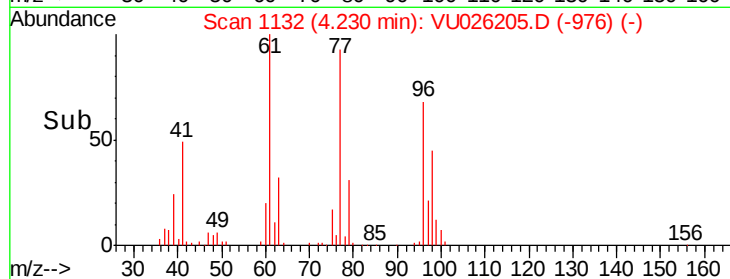
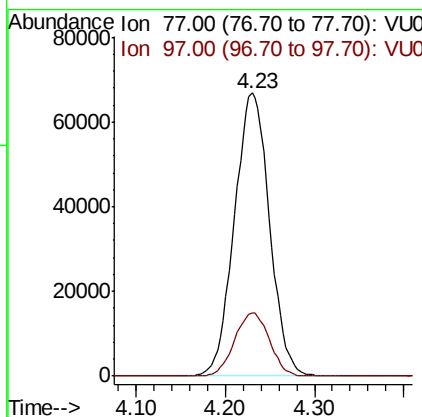
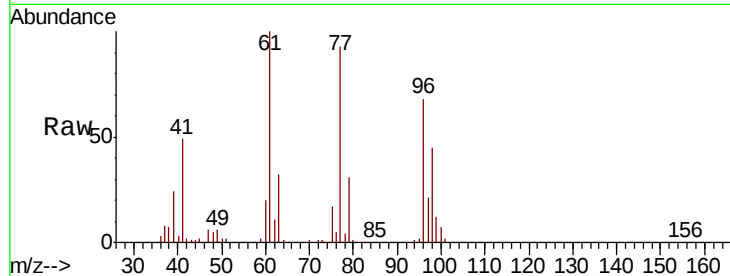
#21
 2,2-Dichloropropane
 Concen: 9.79 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ratio	Lower	Upper
77	100		
97	22.3	17.9	26.9

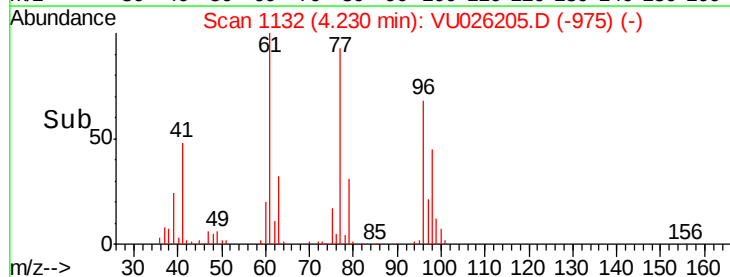
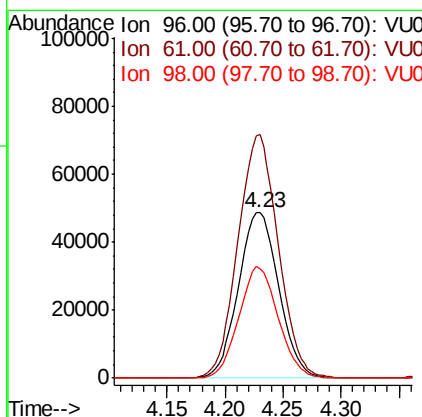
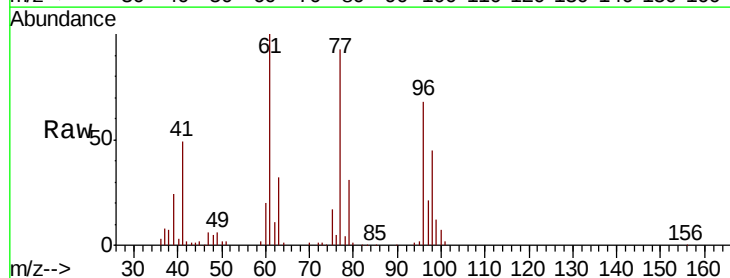
Manual Integrations
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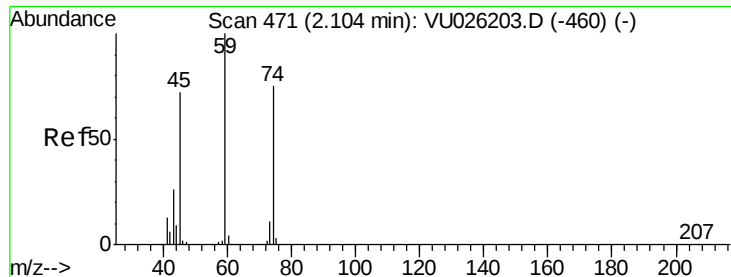
MMDadoda
 8/21/2018 11:34:27 AM



#22
 cis-1,2-Dichloroethene
 Concen: 9.85 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.9	0.0	400.5
98	65.4	32.2	96.6





#23

Diethyl Ether

Concen: 9.66 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

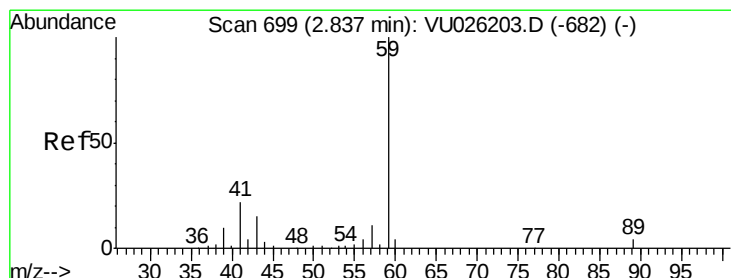
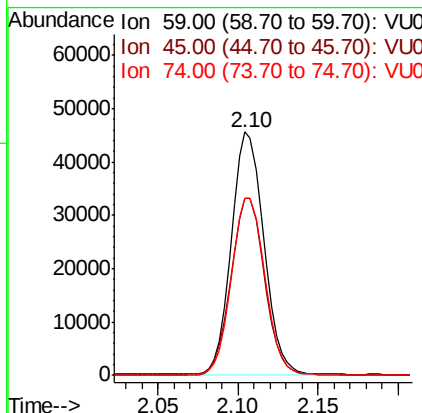
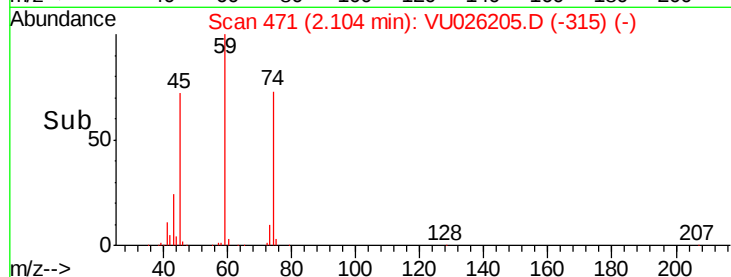
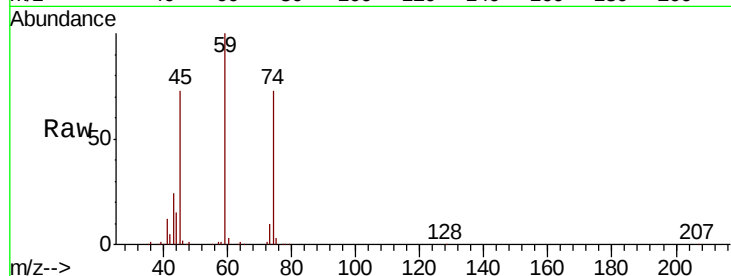
ClientSampleId :

ICVVU082018

Tot Ion:	59	Resp:	63270
Ion	Ratio	Lower	Upper
59	100		
45	73.6	60.0	90.0
74	74.9	56.5	84.7

Manual Integrations
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#24

tert-Butyl Alcohol

Concen: 45.18 ug/l

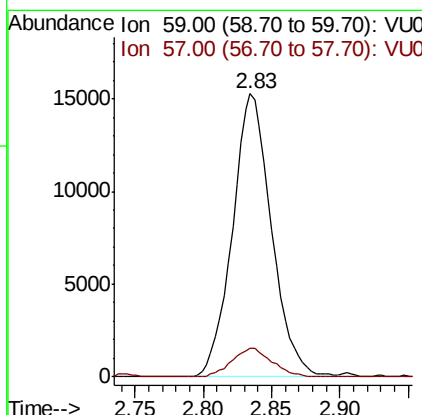
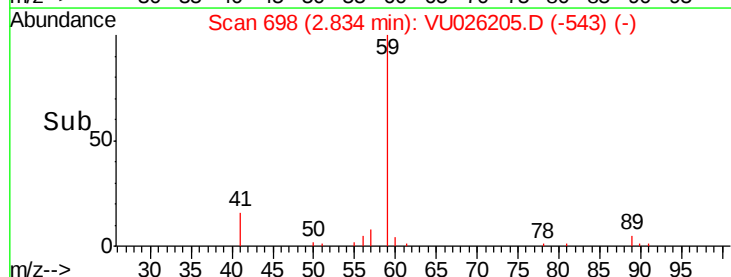
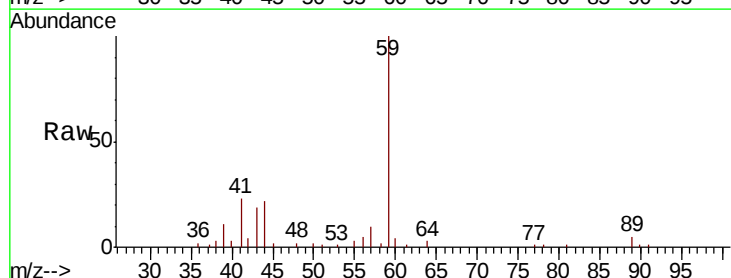
RT: 2.83 min Scan# 698

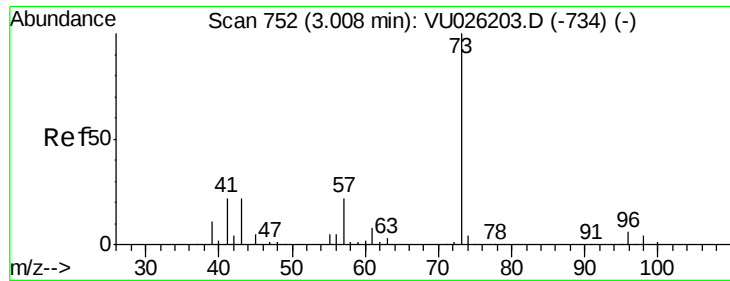
Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	59	Resp:	30298
Ion	Ratio	Lower	Upper
59	100		
57	10.4	3.4	5.2#





#25

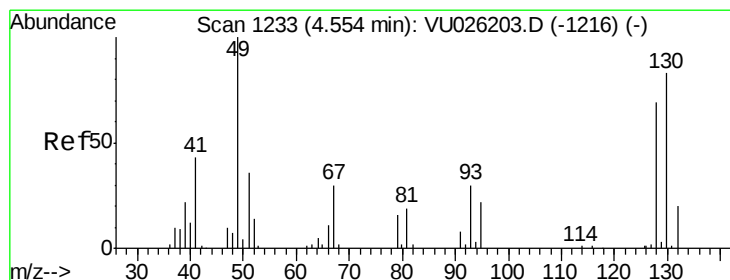
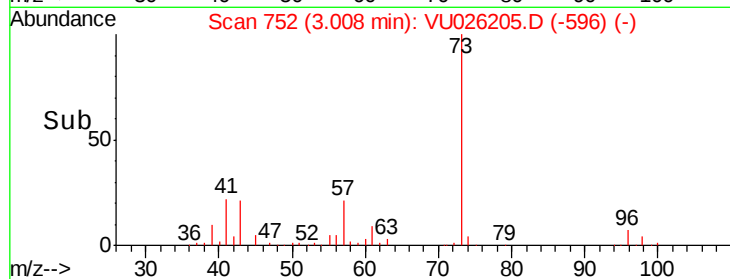
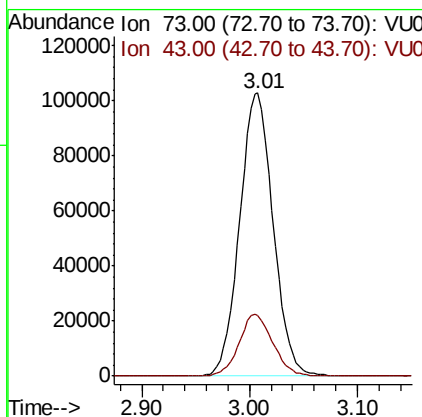
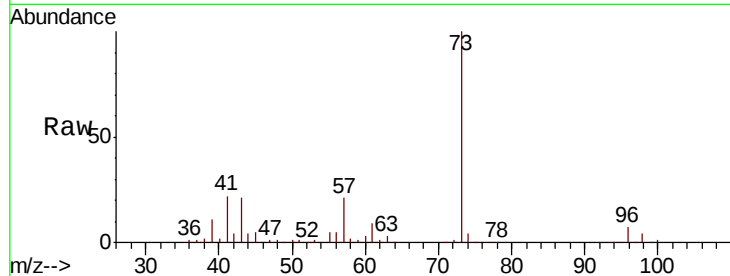
Methyl tert-Butyl Ether
 Concen: 9.95 ug/l
 RT: 3.01 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ratio	Lower	Upper
73	100		
43	21.4	16.2	24.2

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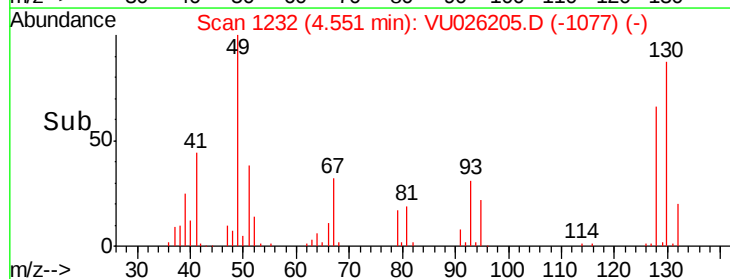
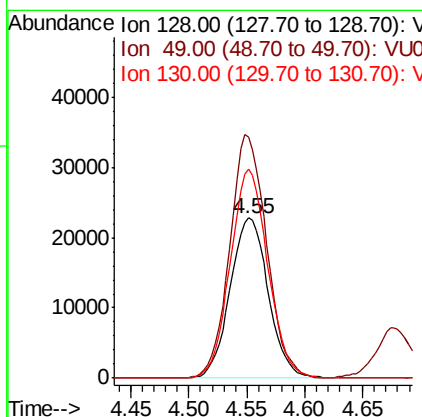
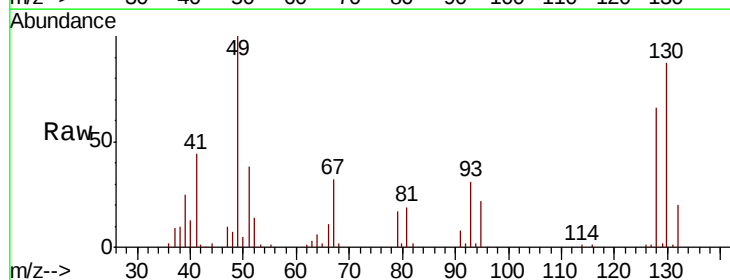
MMDadoda
 8/21/2018 11:34:27 AM

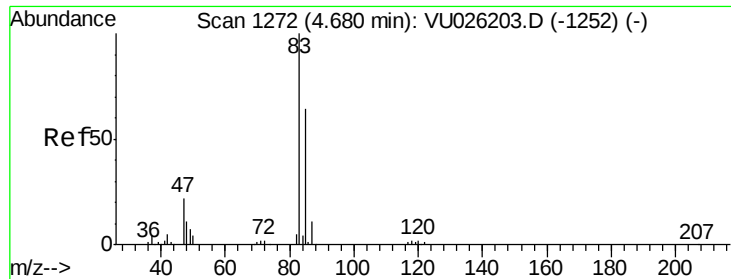


#26

Bromochloromethane
 Concen: 9.69 ug/l
 RT: 4.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
128	100		
49	147.1	0.0	375.2
130	128.4	105.8	158.6





#27

Chloroform

Concen: 9.71 ug/l

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 83 Resp: 203495

Ion Ratio Lower Upper

83 100

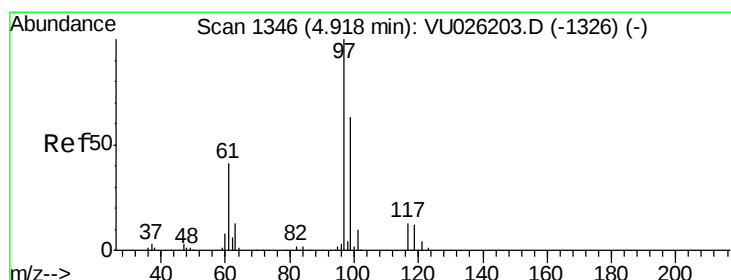
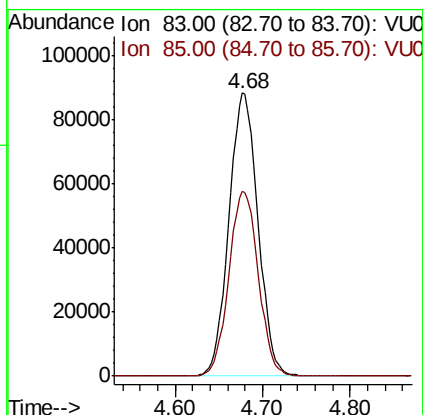
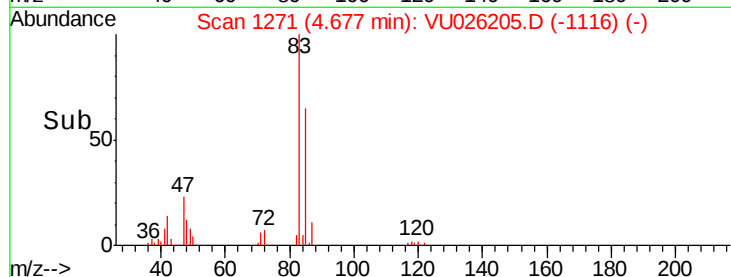
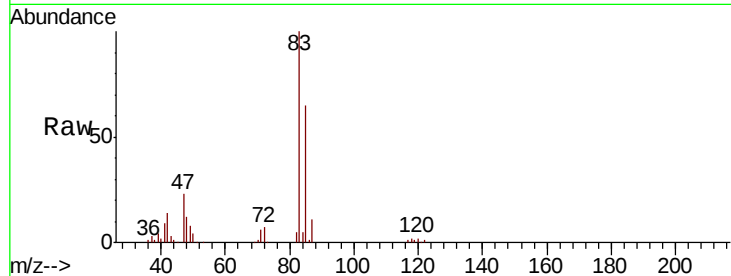
85 65.4 0.0 128.4

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#28

1,1,1-Trichloroethane

Concen: 10.16 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

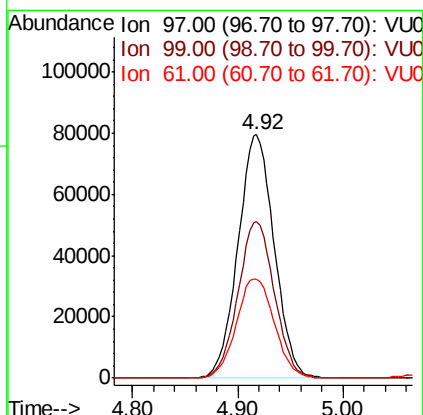
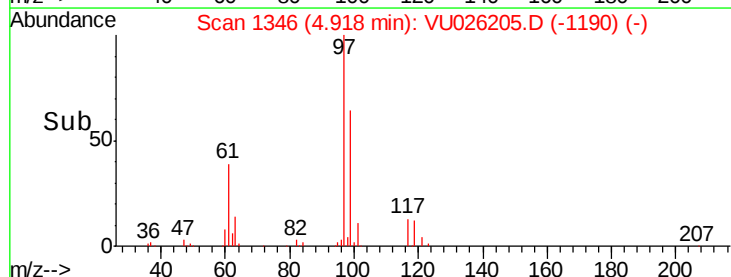
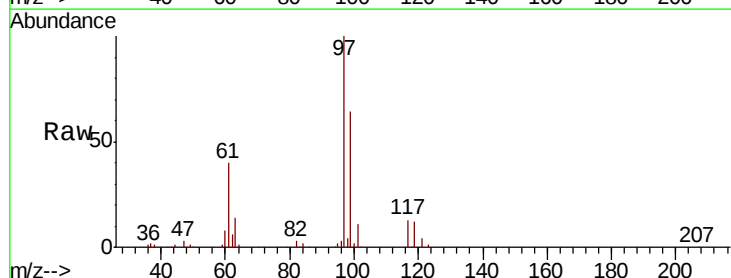
Tgt Ion: 97 Resp: 189215

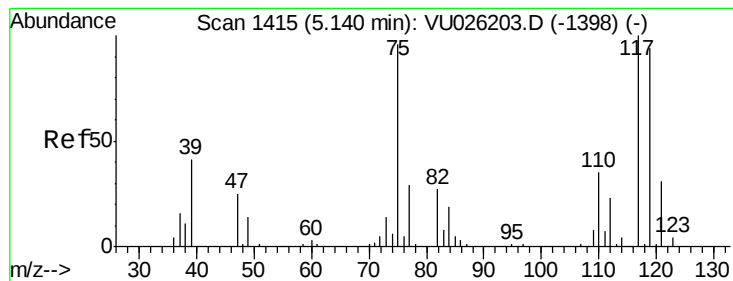
Ion Ratio Lower Upper

97 100

99 64.7 32.3 96.9

61 42.9 23.2 69.5





#29

1,1-Dichloropropene

Concen: 10.53 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 75 Resp: 154618
Ion Ratio Lower Upper

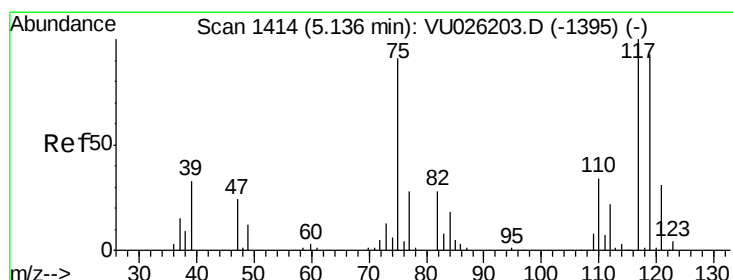
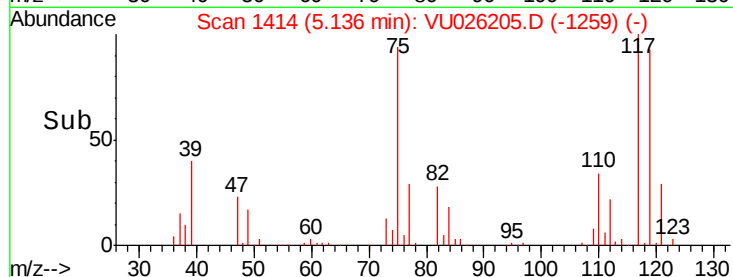
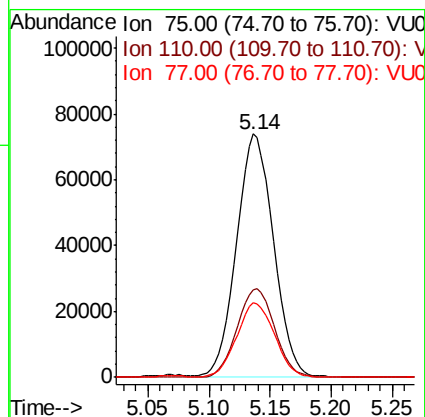
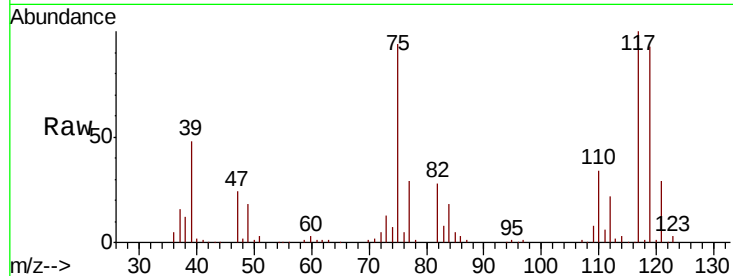
75 100

110 37.0 16.9 50.7

77 31.5 24.8 37.2

Manual Integrations
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#30

Carbon Tetrachloride

Concen: 10.07 ug/l

RT: 5.14 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VU026205.D

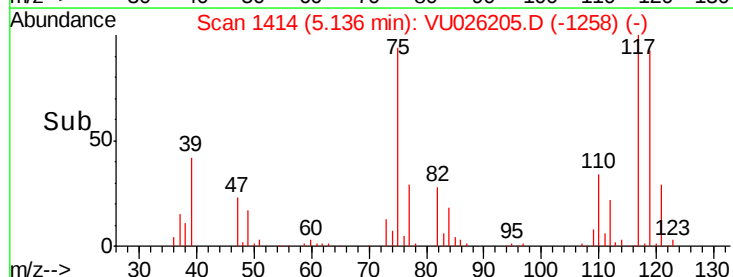
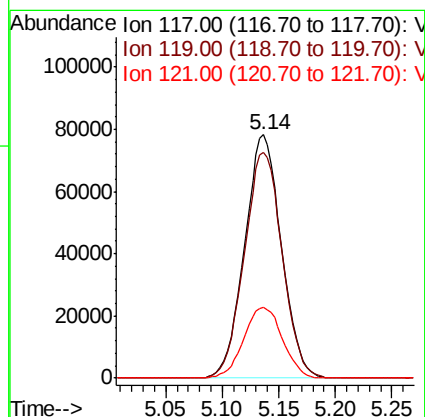
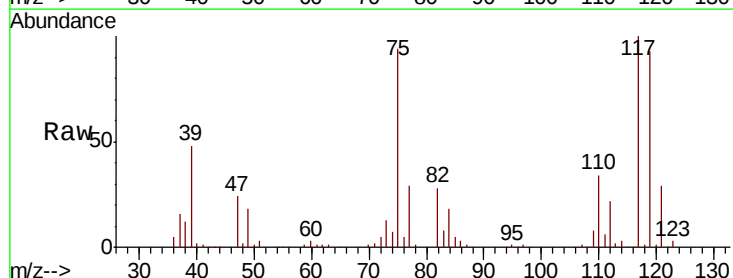
Acq: 20 Aug 2018 13:36

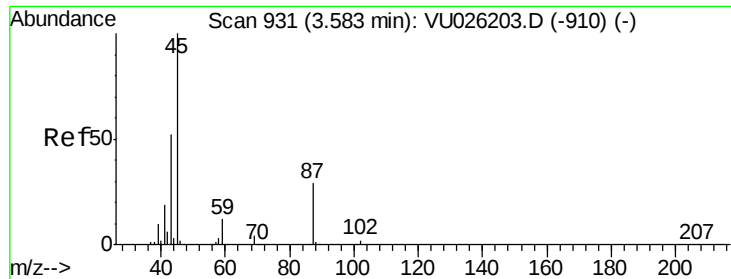
Tgt Ion: 117 Resp: 176868
Ion Ratio Lower Upper

117 100

119 92.9 77.3 115.9

121 28.9 24.5 36.7





#31

Isopropyl Ether

Concen: 10.65 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 45 Resp: 317858

Ion Ratio Lower Upper

45 100

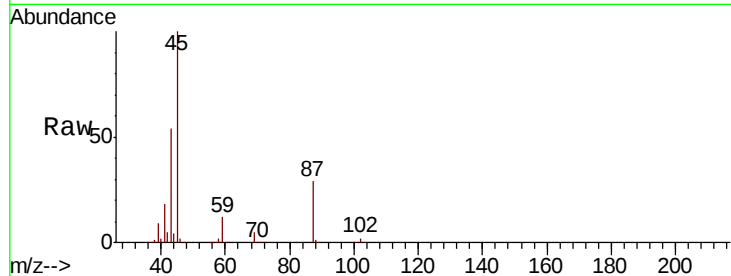
43 232.1 24.0 72.0#

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Abundance Ion 45.00 (44.70 to 45.70): VU026203.D (-910) (-)

Ion 43.00 (42.70 to 43.70): VU026203.D (-910) (-)

400000

300000

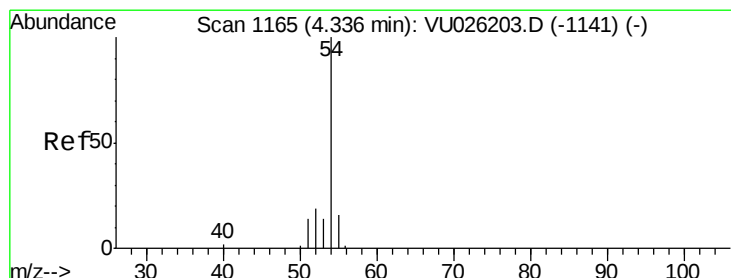
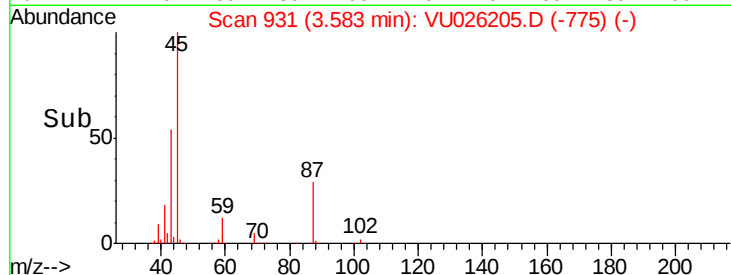
200000

100000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#34

Propionitrile

Concen: 102.76 ug/l

RT: 4.34 min Scan# 1165

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion: 54 Resp: 81276

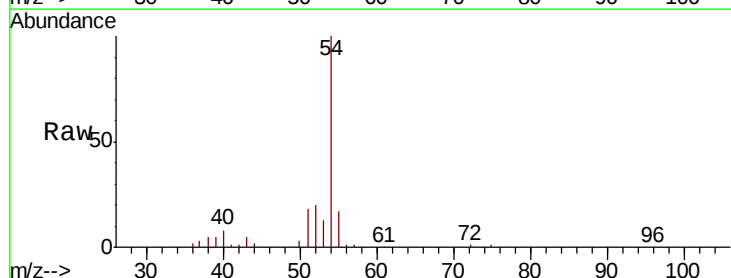
Ion Ratio Lower Upper

54 100

52 20.2 13.7 20.5

55 16.1 10.2 15.2#

40 7.0 3.5 5.3#



Abundance Ion 54.00 (53.70 to 54.70): VU026203.D (-1141) (-)

Ion 52.00 (51.70 to 52.70): VU026203.D (-1141) (-)

Ion 55.00 (54.70 to 55.70): VU026203.D (-1141) (-)

Ion 40.00 (39.70 to 40.70): VU026203.D (-1141) (-)

50000

40000

30000

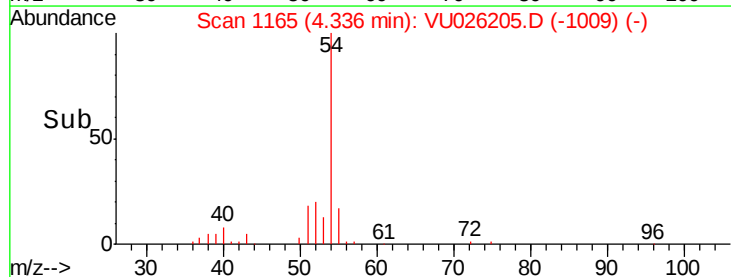
20000

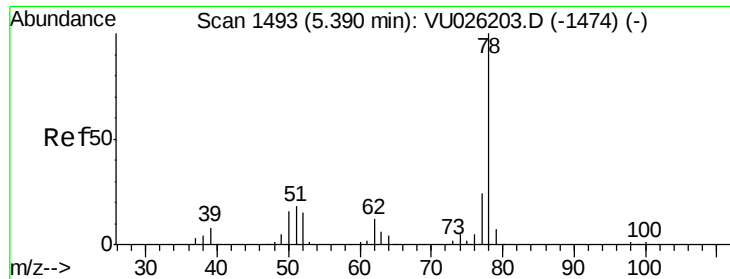
10000

0

4.20 4.25 4.30 4.35 4.40 4.45

Time-->





#35

Benzene

Concen: 10.34 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 78 Resp: 438868

Ion Ratio Lower Upper

78 100

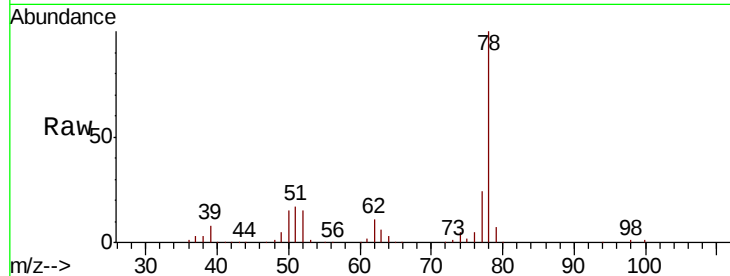
77 24.4 19.1 28.7

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Abundance Ion 78.10 (77.80 to 78.80): VU026205.D (-1337) (-)

Ion 77.00 (76.70 to 77.70): VU026205.D (-1337) (-)

250000

200000

150000

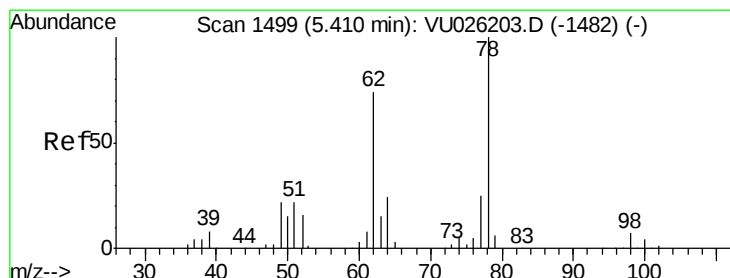
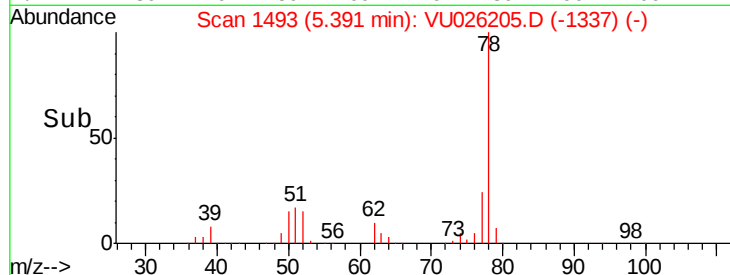
100000

50000

0

5.30 5.40 5.50

Time-->



#36

1,2-Dichloroethane

Concen: 9.93 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026205.D

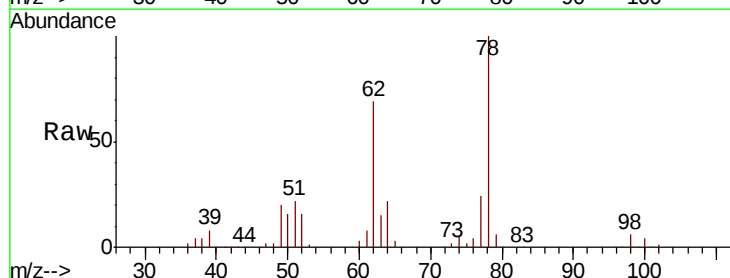
Acq: 20 Aug 2018 13:36

Tgt Ion: 62 Resp: 130730

Ion Ratio Lower Upper

62 100

98 8.3 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026205.D (-1343) (-)

Ion 98.00 (97.70 to 98.70): VU026205.D (-1343) (-)

60000

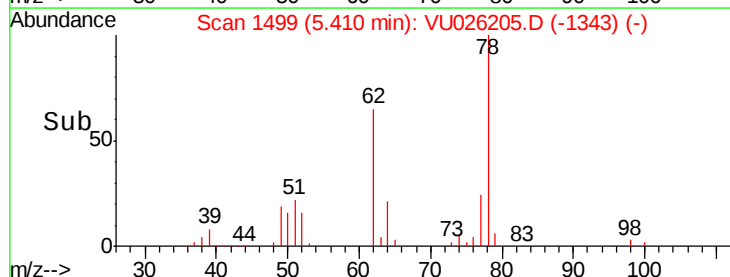
40000

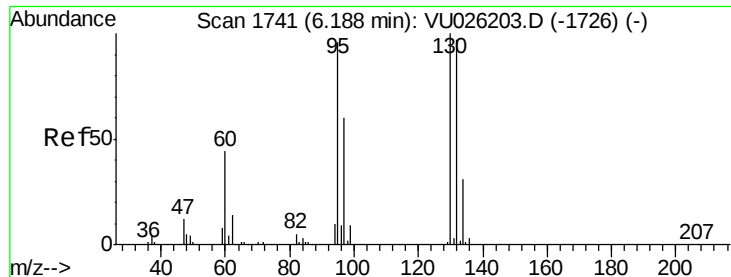
20000

0

5.30 5.35 5.40 5.45 5.50

Time-->





#37

Trichloroethene

Concen: 10.04 ug/l

RT: 6.19 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion:130 Resp: 119973

Ion Ratio Lower Upper

130 100

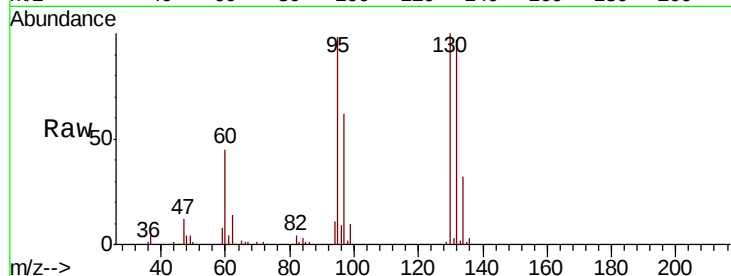
95 98.1 77.9 116.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): VU026205.D (-1585) (-)

Ion 94.90 (94.60 to 95.60): VU026205.D (-1585) (-)

6.19

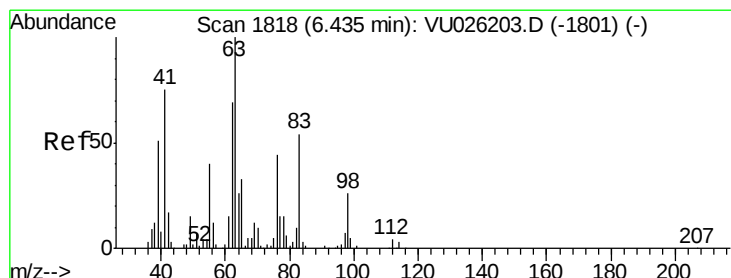
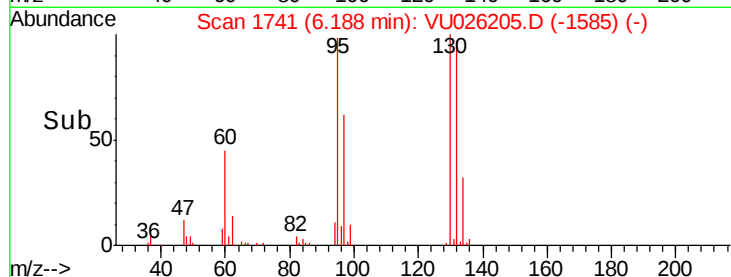
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 10.20 ug/l

RT: 6.44 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VU026205.D

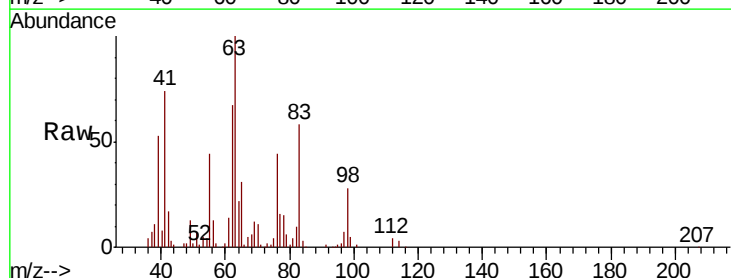
Acq: 20 Aug 2018 13:36

Tgt Ion: 63 Resp: 112172

Ion Ratio Lower Upper

63 100

65 30.8 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026205.D (-1662) (-)

Ion 65.00 (64.70 to 65.70): VU026205.D (-1662) (-)

6.44

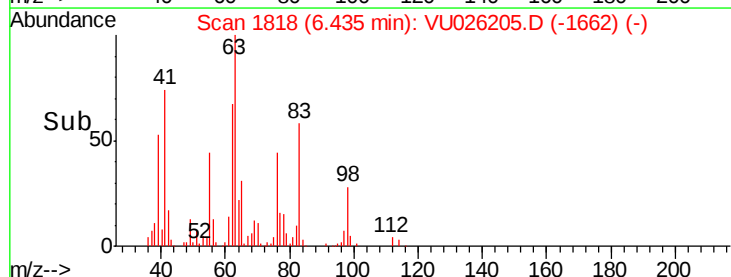
60000

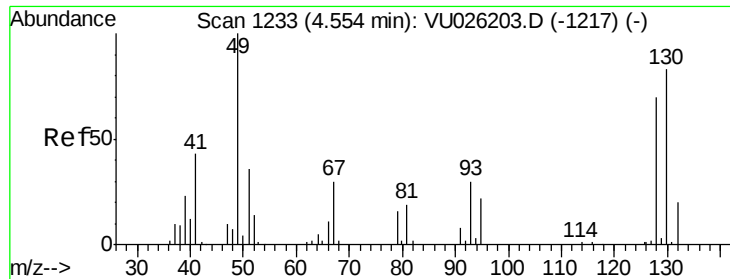
40000

20000

0

Time-->





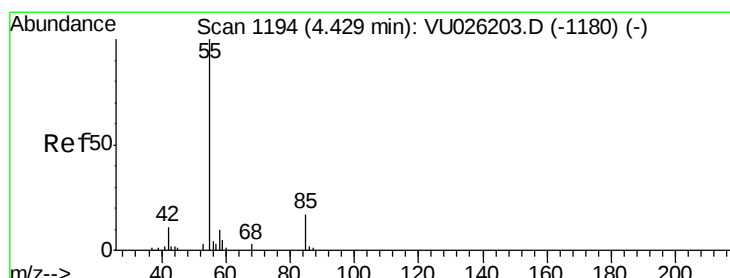
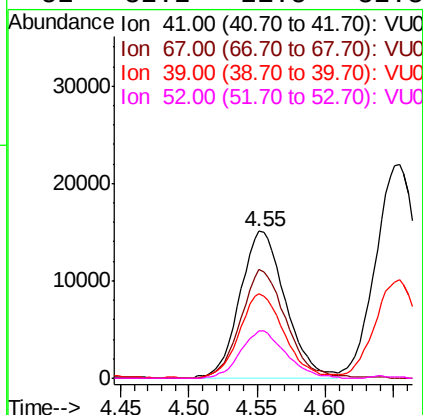
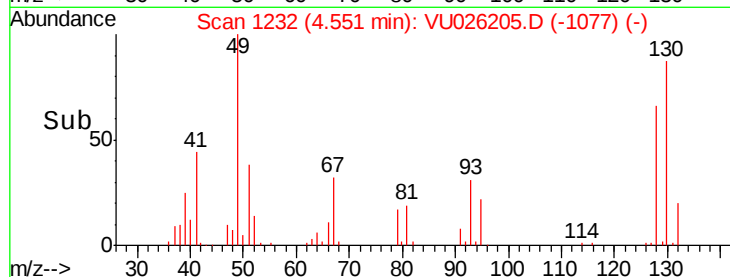
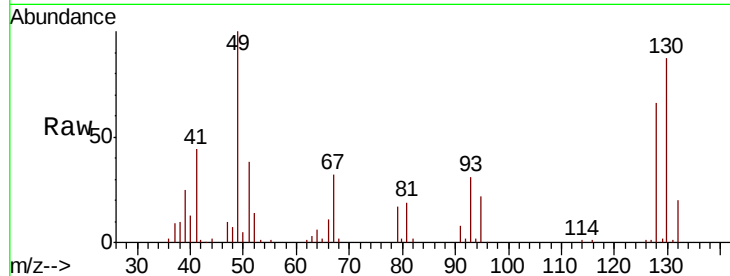
#39
Methacrylonitrile
Concen: 10.50 ug/l
RT: 4.55 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		35067		
67	73.3	51.3	76.9		
39	56.5	40.6	60.8		
52	32.2	21.5	32.3		

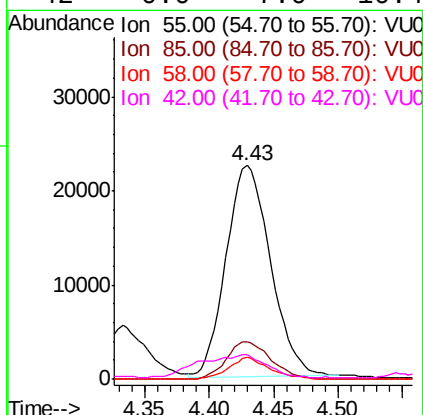
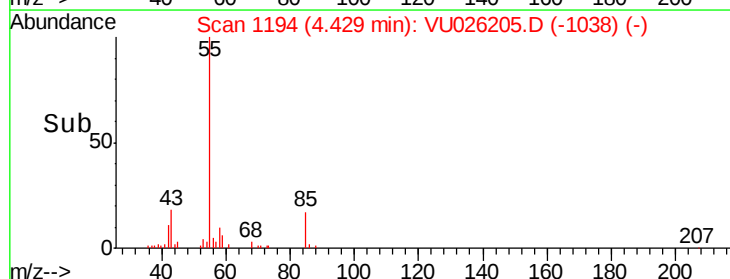
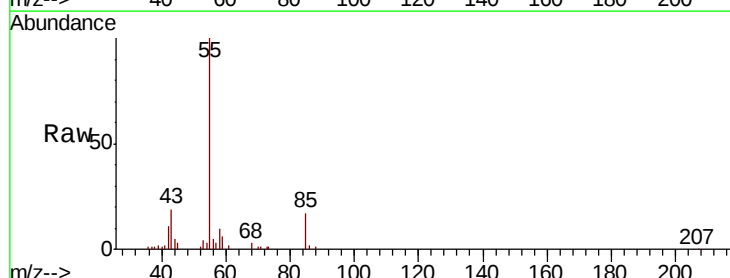
Manual Integrations
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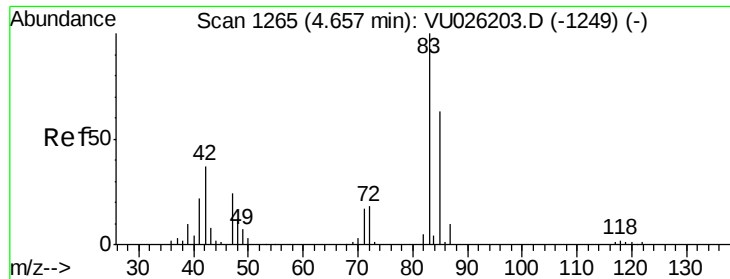
MMDadoda
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#40
Methyl acrylate
Concen: 10.64 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		53869		
85	17.3	12.3	18.5		
58	9.2	7.0	10.6		
42	0.0	7.0	10.4#		





#41

Tetrahydrofuran

Concen: 47.97 ug/l

RT: 4.65 min Scan# 1263

Delta R.T. -0.01 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

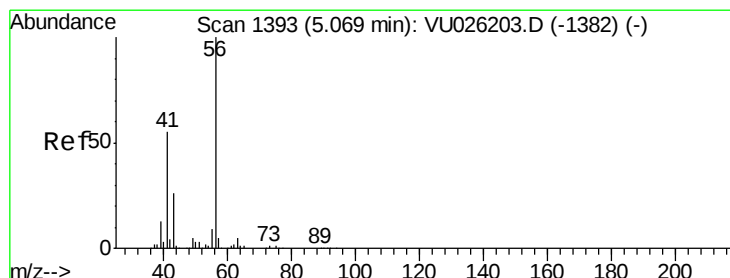
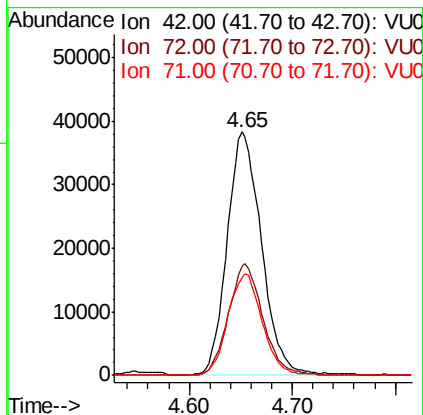
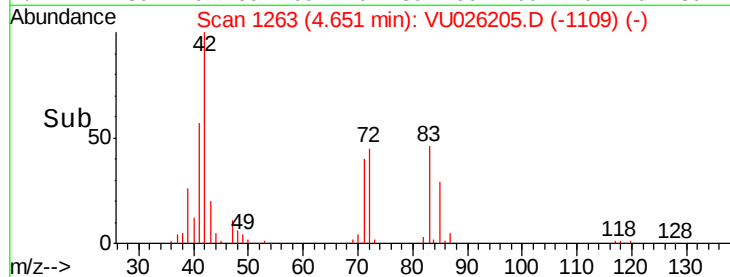
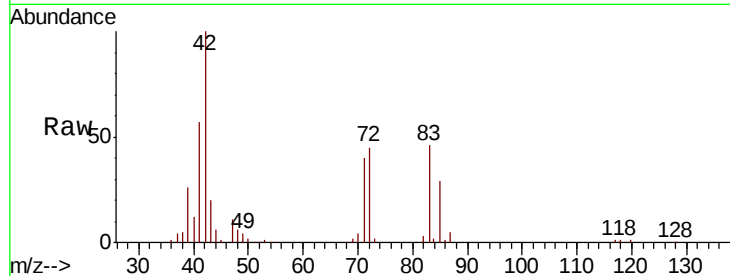
ClientSampleId :

ICVVU082018

Tot Ion:	42	Resp:	89077
Ion Ratio	Lower	Upper	
42	100		
72	45.8	33.2	49.8
71	41.5	29.8	44.8

Manual Integrations
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#42

1-Chlorobutane

Concen: 10.70 ug/l

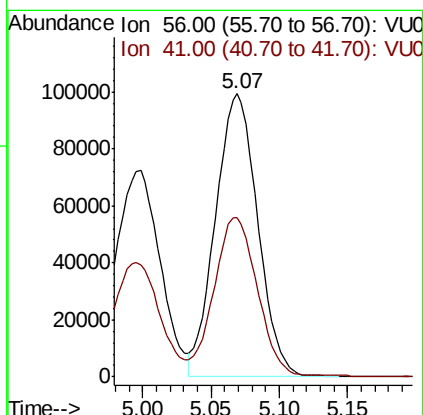
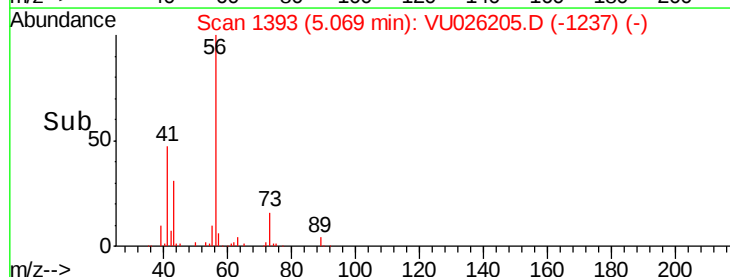
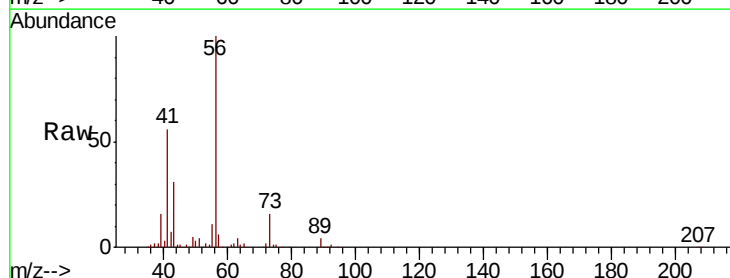
RT: 5.07 min Scan# 1393

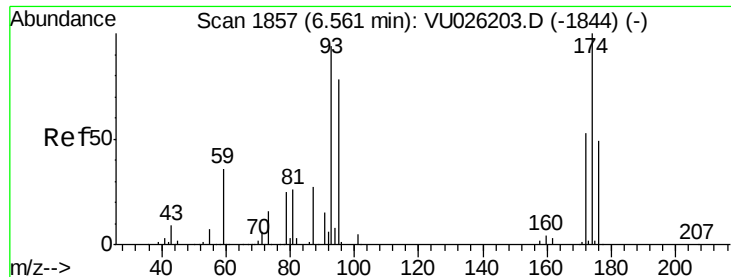
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	56	Resp:	212685
Ion Ratio	Lower	Upper	
56	100		
41	57.1	27.5	82.5





#43

Dibromomethane

Concen: 9.86 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

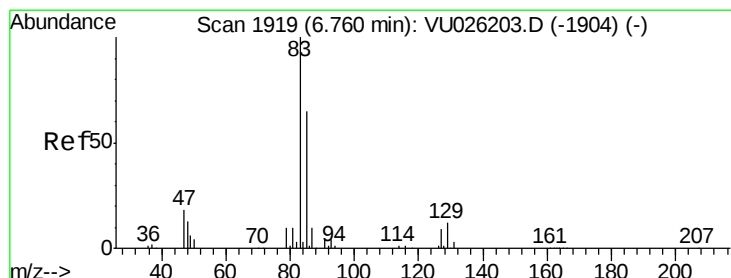
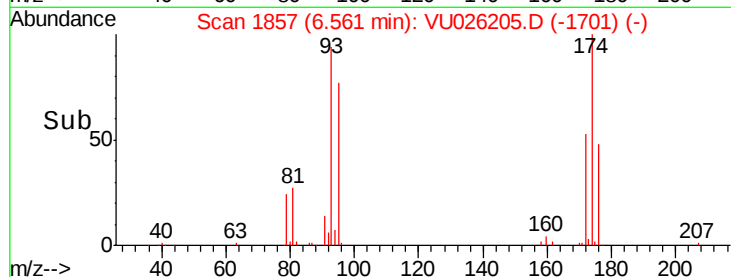
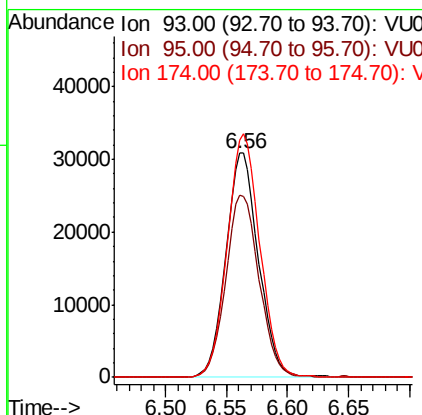
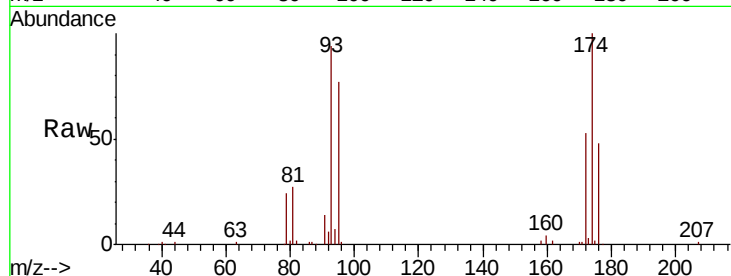
ClientSampleId :

ICVVU082018

Tot Ion:	93	Resp:	57625
Ion	Ratio	Lower	Upper
93	100		
95	83.2	67.2	100.8
174	108.5	82.8	124.2

Manual Integrations
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#44

Bromodichloromethane

Concen: 10.05 ug/l

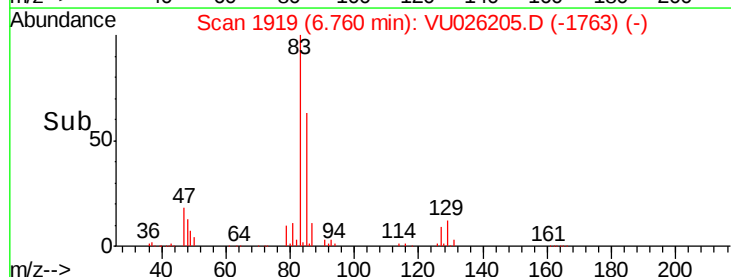
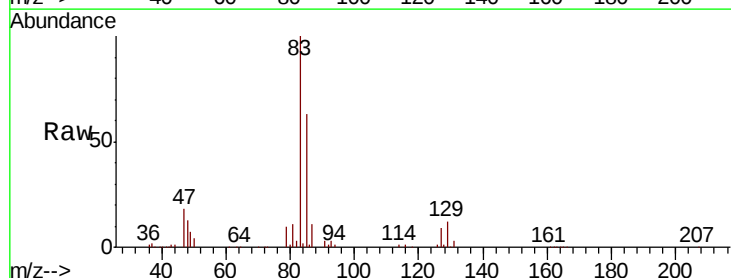
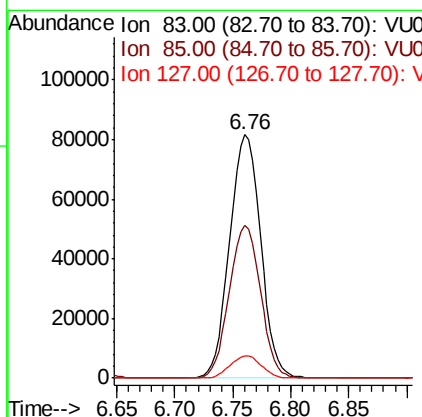
RT: 6.76 min Scan# 1919

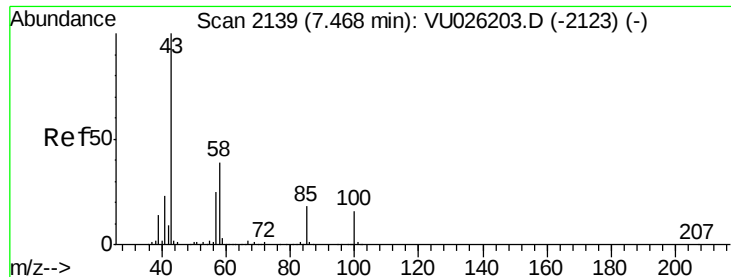
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	83	Resp:	151605
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4
127	9.3	7.0	10.4





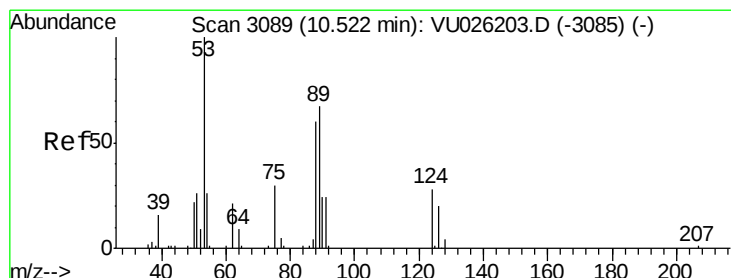
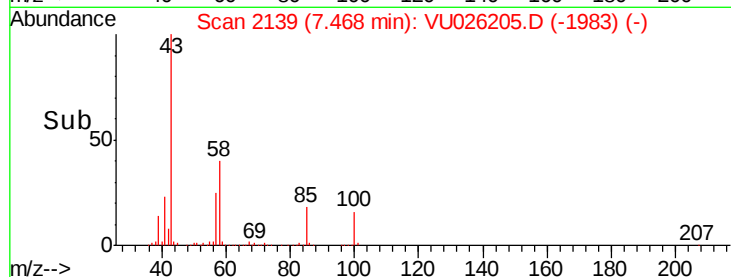
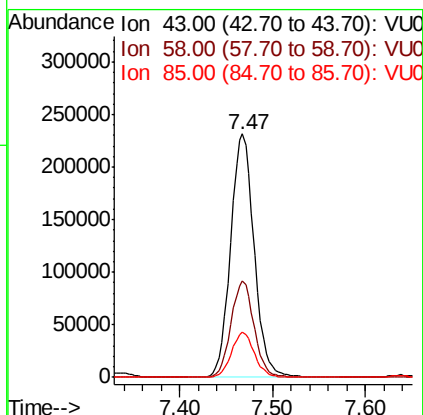
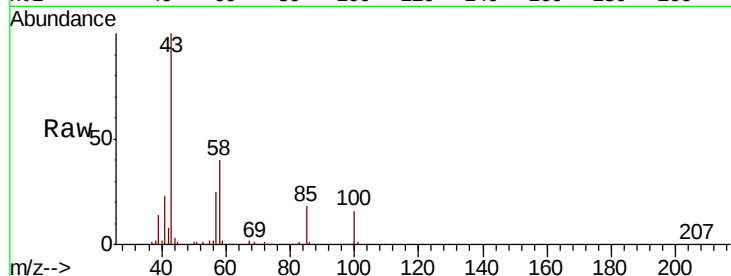
#45
4-Methyl-2-Pentanone
Concen: 68.84 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	43	Resp	407696
Ion Ratio	Lower	Upper	
43	100		
58	39.0	18.8	56.4
85	18.1	12.6	19.0

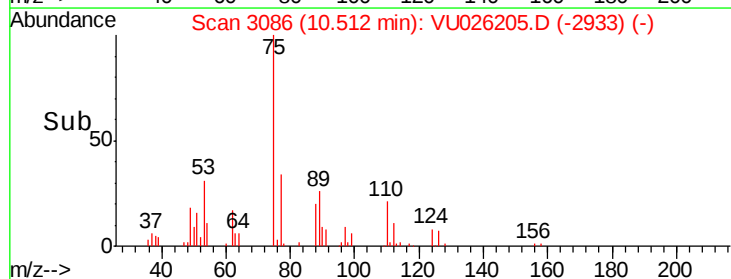
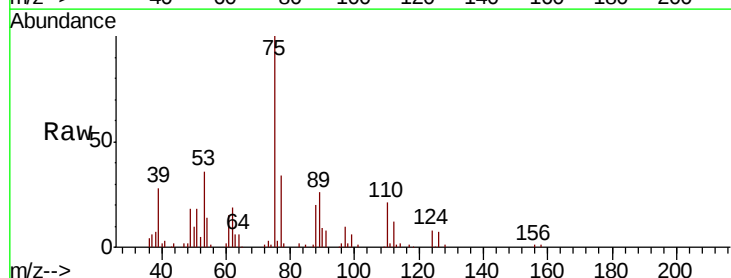
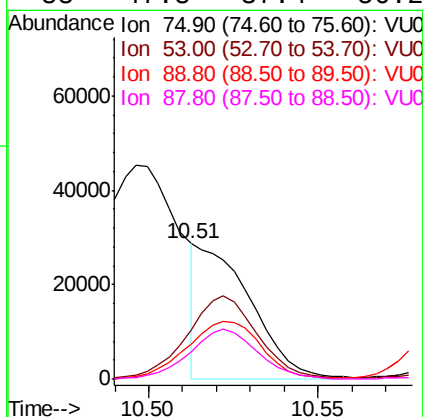
Manual Integrations
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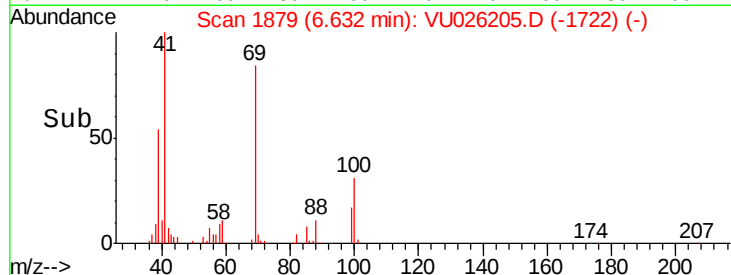
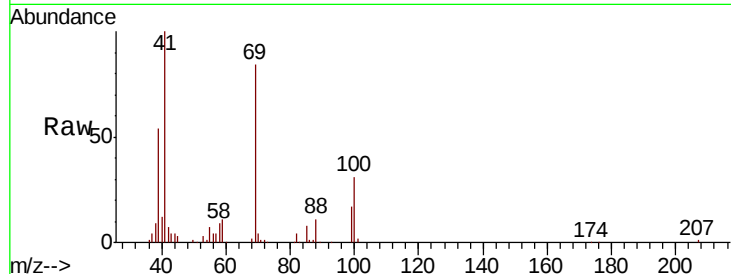
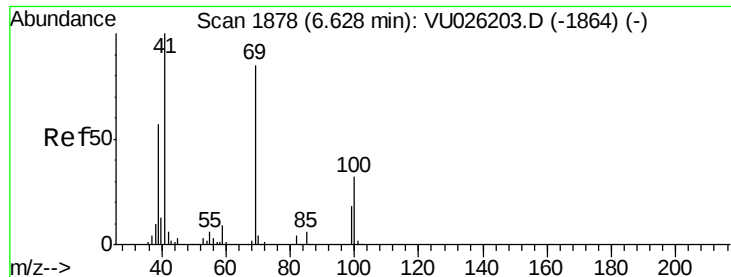
MMDadoda
8/21/2018 11:34:27 AM



#46
t-1,4-Dichloro-2-butene
Concen: 10.64 ug/l m
RT: 10.51 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	75	Resp	31105
Ion Ratio	Lower	Upper	
75	100		
53	82.2	82.2	123.4#
89	60.4	51.3	76.9
88	47.8	37.4	56.2





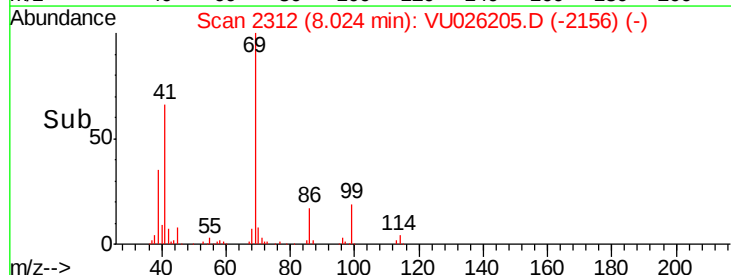
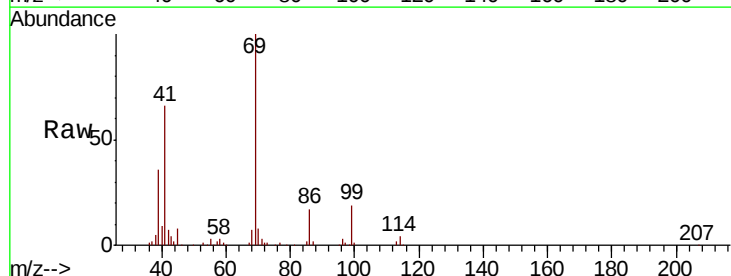
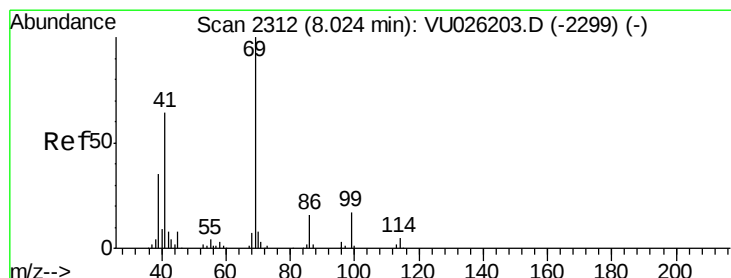
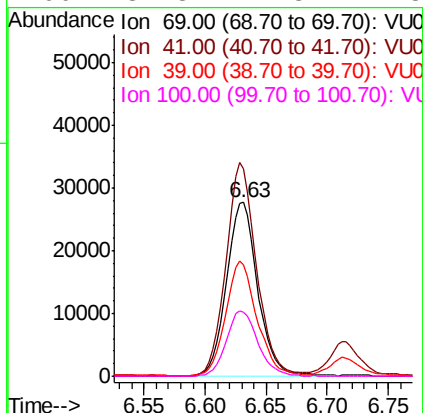
#47
Methyl methacrylate
Concen: 11.17 ug/l
RT: 6.63 min Scan# 1879
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	119.4	0.0	245.4		
39	66.3	49.0	73.4		
100	37.8	27.8	41.8		

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

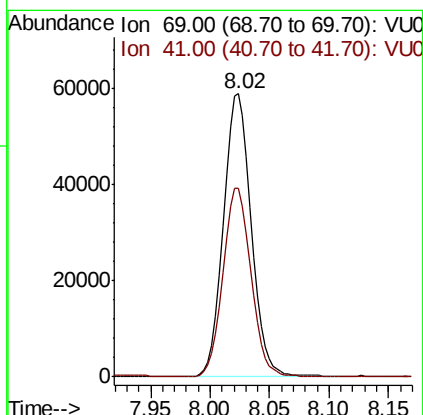
Manual Integrations
APPROVED

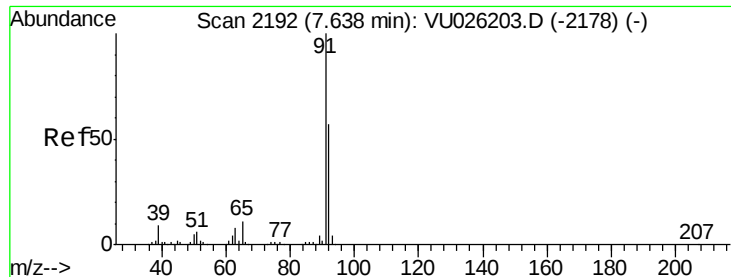
MMDadoda
8/21/2018 11:34:27 AM



#48
Ethyl methacrylate
Concen: 11.68 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	67.3	34.2	102.5		





#49

Toluene

Concen: 11.47 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 92 Resp: 278061

Ion Ratio Lower Upper

92 100

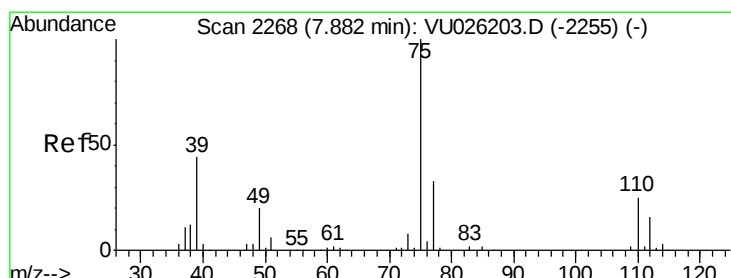
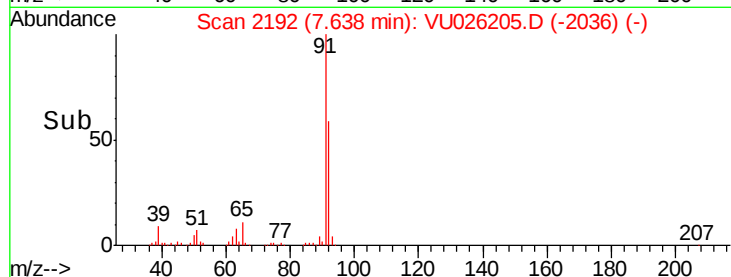
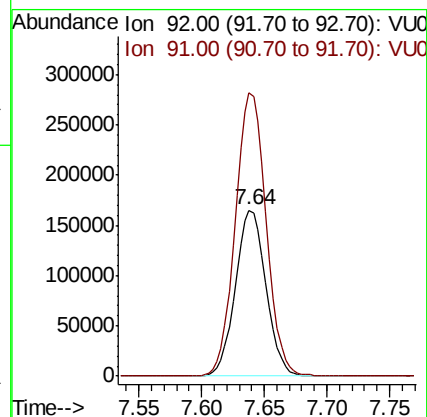
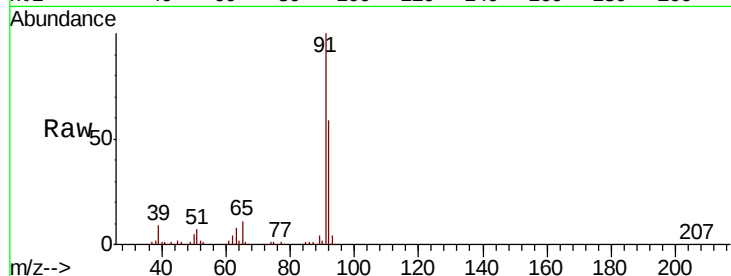
91 173.2 137.1 205.7

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#50

t-1,3-Dichloropropene

Concen: 11.30 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026205.D

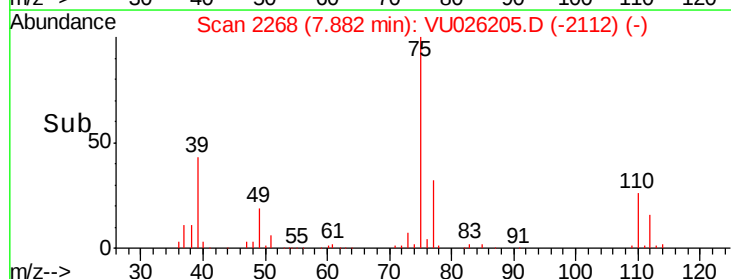
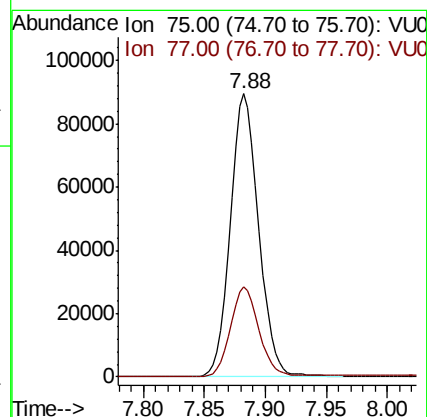
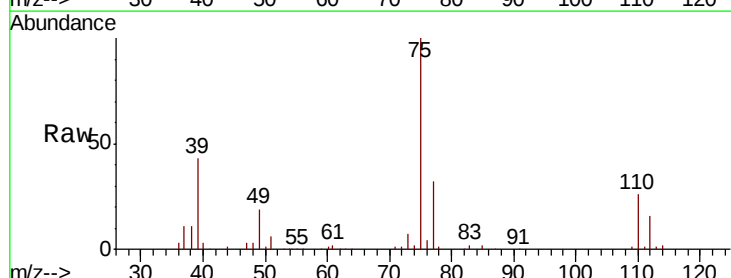
Acq: 20 Aug 2018 13:36

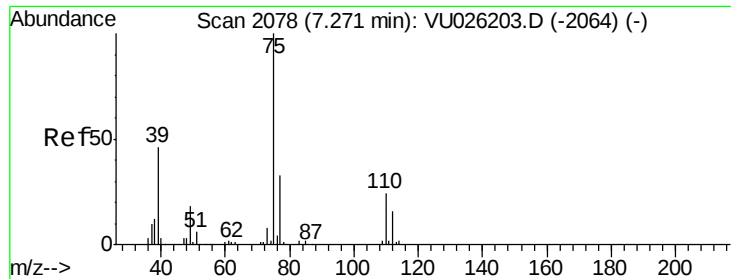
Tgt Ion: 75 Resp: 145450

Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8





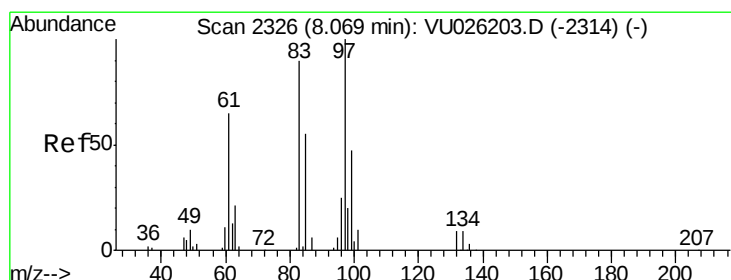
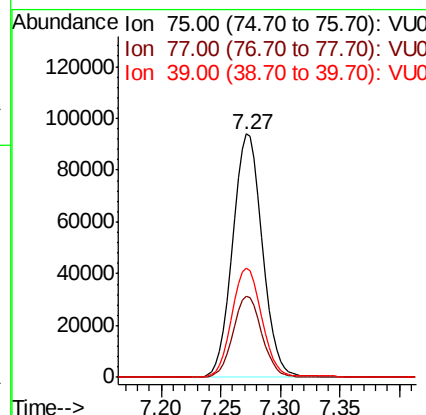
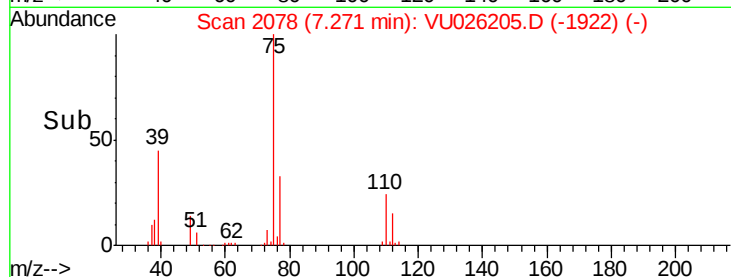
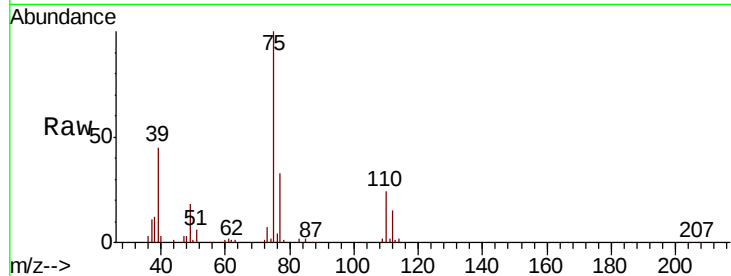
#51
 cis-1,3-Dichloropropene
 Concen: 10.92 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.2	37.8
39	44.9	36.4	54.6

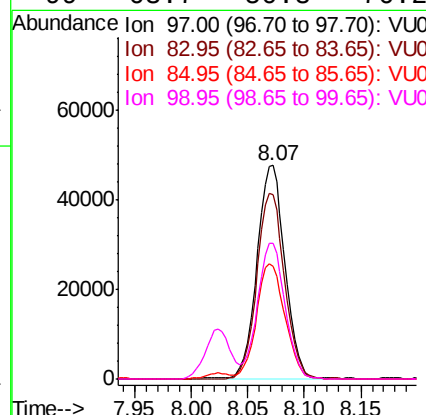
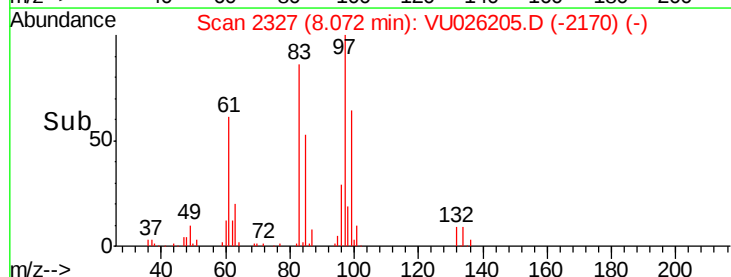
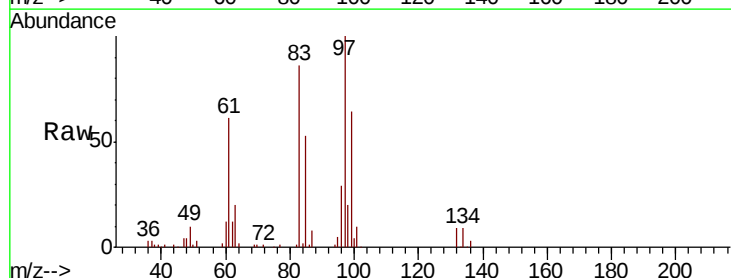
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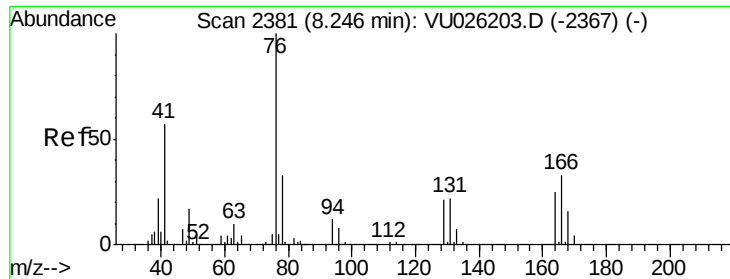
MMDadoda
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#52
 1,1,2-Trichloroethane
 Concen: 10.34 ug/l
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.2	72.6	109.0
85	52.6	47.2	70.8
99	63.7	50.8	76.2





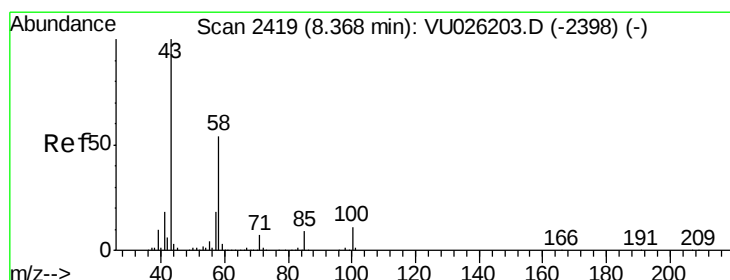
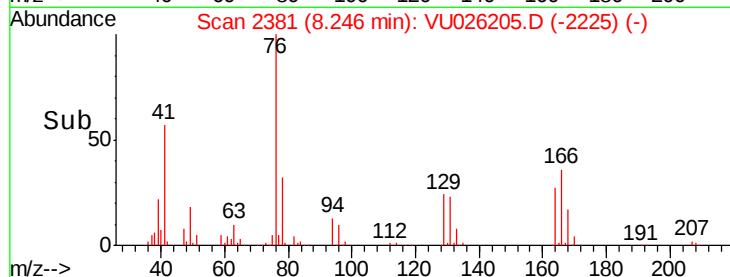
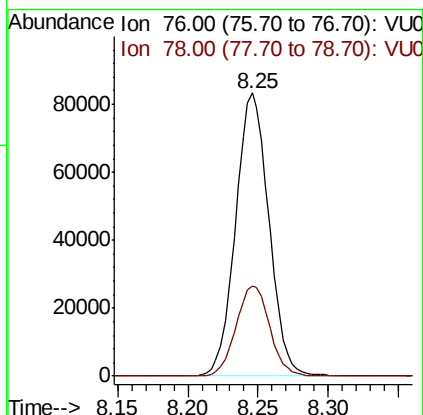
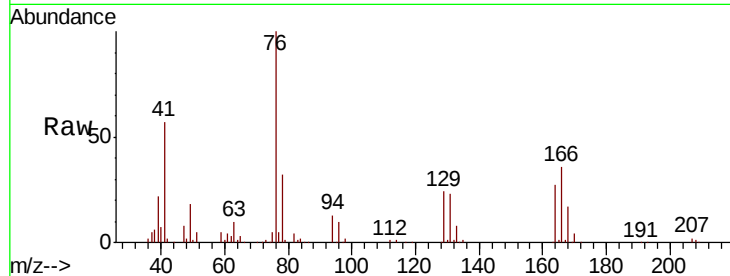
#53
 1,3-Dichloropropane
 Concen: 10.49 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion: 76 Resp: 138031
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

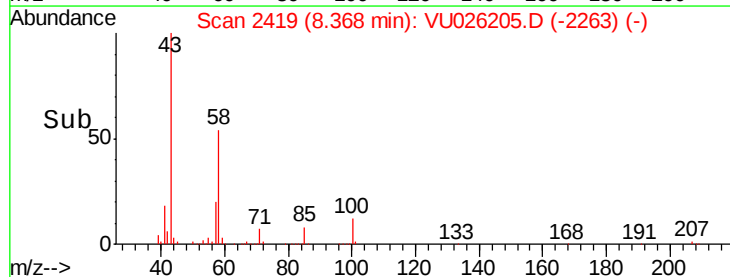
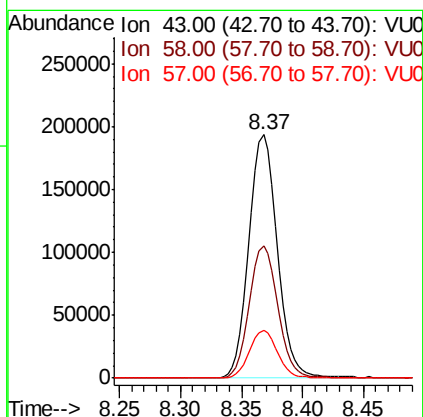
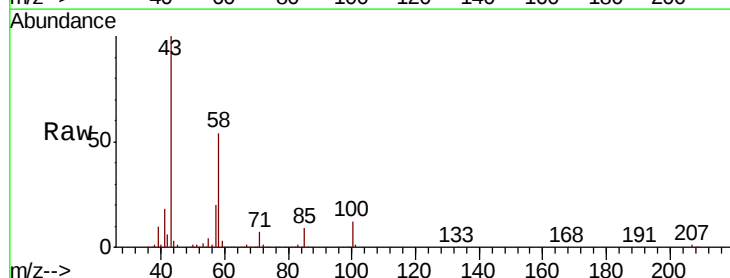
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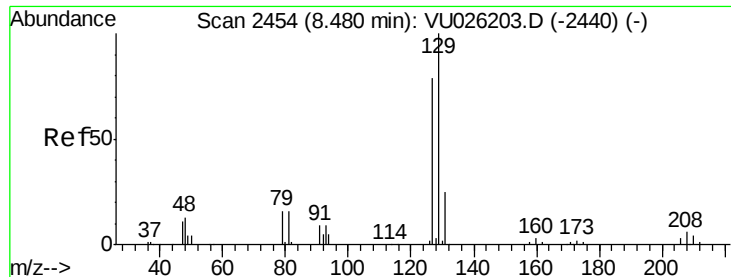
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 8/21/2018 11:34:27 AM



#54
 2-Hexanone
 Concen: 73.53 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion: 43 Resp: 310011
 Ion Ratio Lower Upper
 43 100
 58 54.6 32.5 72.5
 57 19.4 0.0 37.9





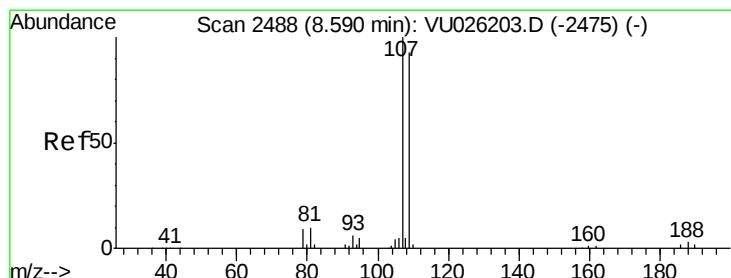
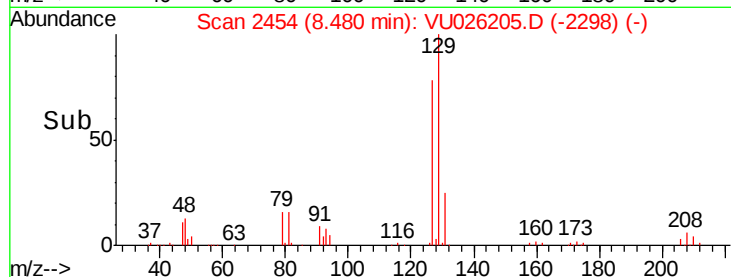
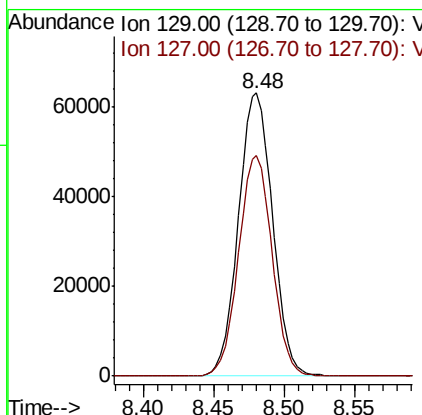
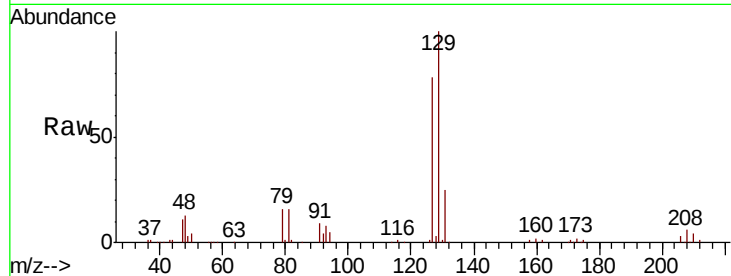
#55
 Dibromochloromethane
 Concen: 10.14 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		107390		
127	76.5	61.1	91.7		

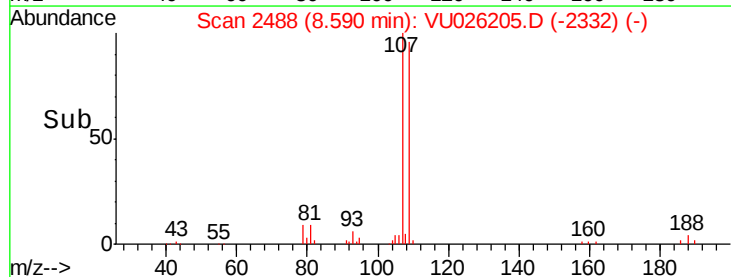
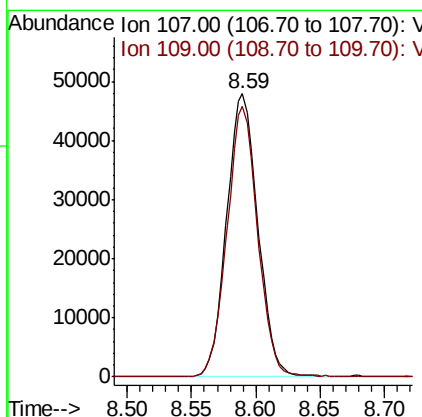
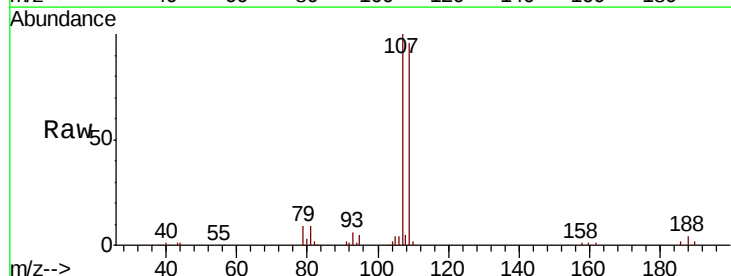
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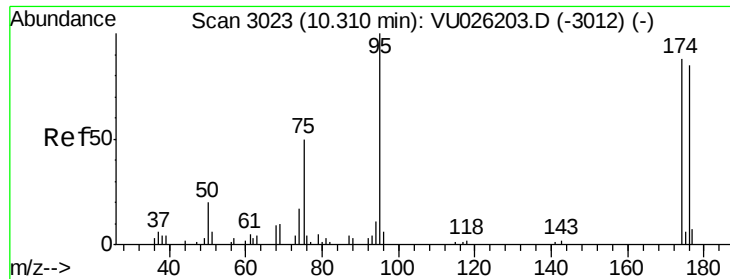
MMDadoda
 8/21/2018 11:34:27 AM



#56
 1,2-Dibromoethane
 Concen: 10.45 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		80583		
109	93.8	0.0	189.0		





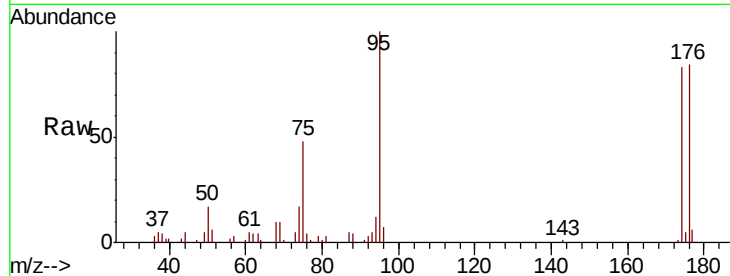
#57
4-Bromofluorobenzene
Concen: 10.45 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	Ratio	Lower	Upper
95	100		
174	86.0	65.6	98.4
176	88.7	62.0	93.0

Manual Integrations
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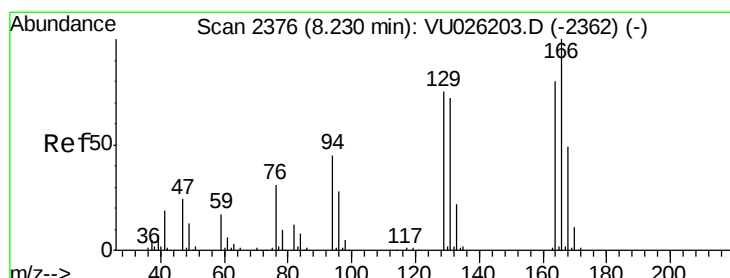
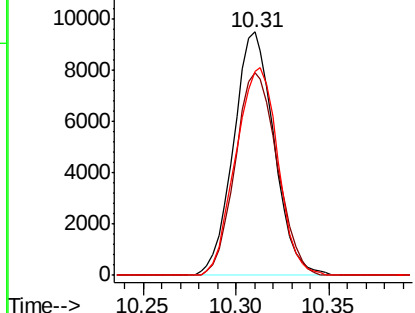
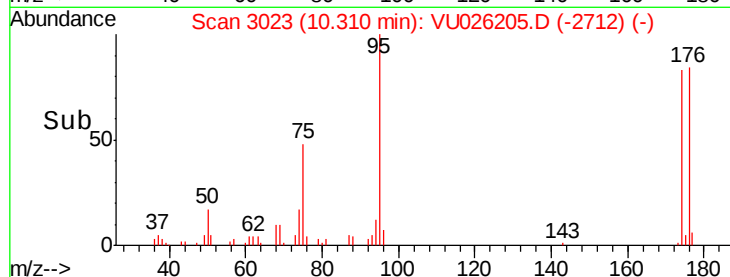


Abundance

Ion 95.00 (94.70 to 95.70): VU026205.D (-2712) (-)

Ion 174.00 (173.70 to 174.70): VU026205.D (-2712) (-)

Ion 176.00 (175.70 to 176.70): VU026205.D (-2712) (-)



#58
Tetrachloroethene
Concen: 10.22 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.4	104.1	156.1
129	94.7	76.8	115.2
131	91.8	72.6	108.8

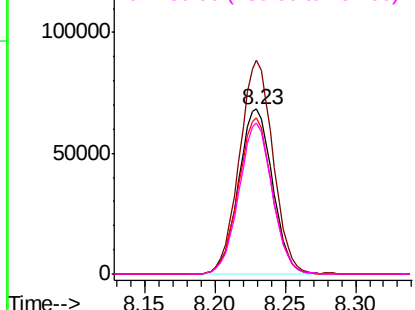
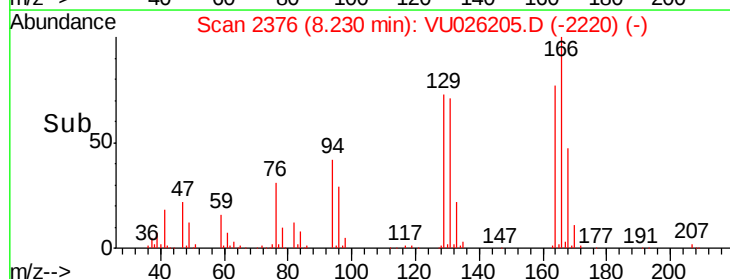
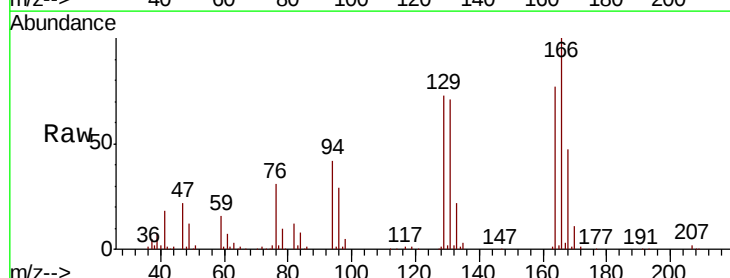
Abundance

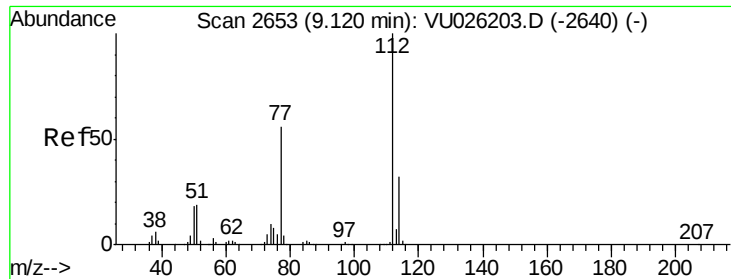
Ion 163.85 (163.55 to 164.55): VU026205.D (-2220) (-)

Ion 165.80 (165.50 to 166.50): VU026205.D (-2220) (-)

Ion 128.90 (128.60 to 129.60): VU026205.D (-2220) (-)

Ion 130.90 (130.60 to 131.60): VU026205.D (-2220) (-)





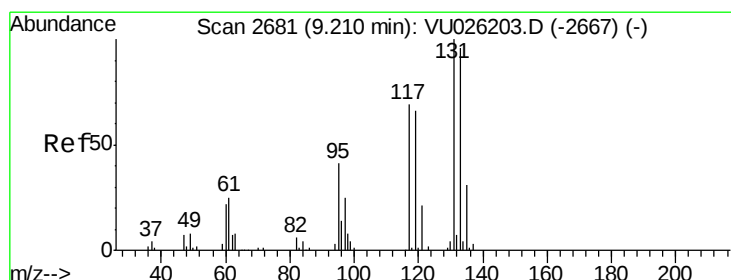
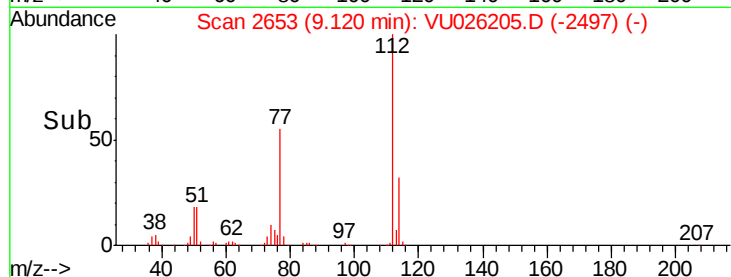
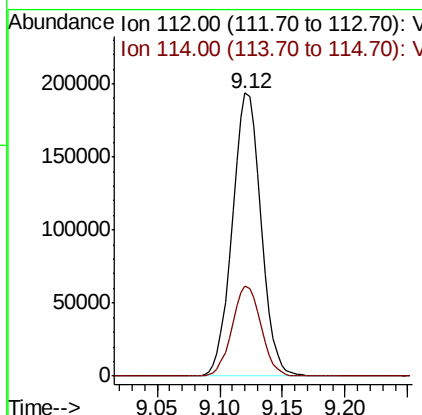
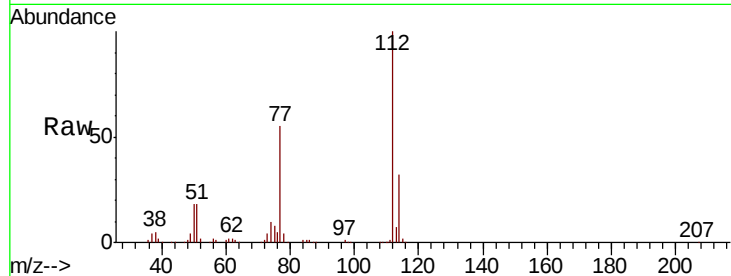
#59
Chlorobenzene
Concen: 10.99 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	Ratio	Resp	Lower	Upper
112	100	308550		
114	31.7	25.4	38.2	

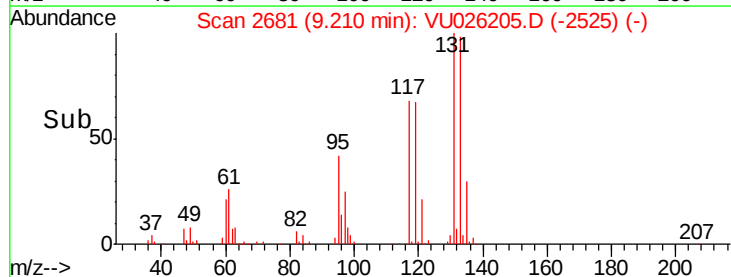
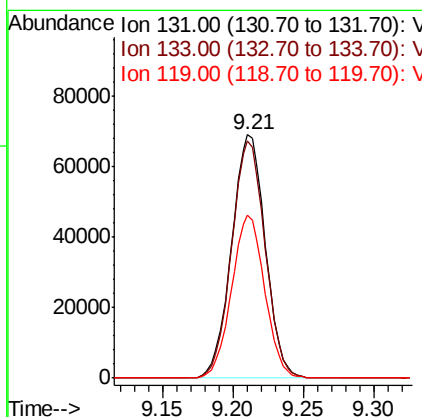
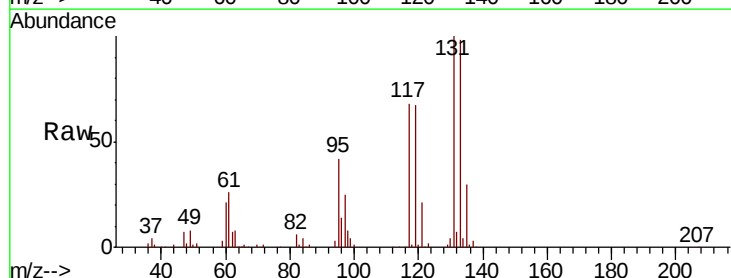
Manual Integrations
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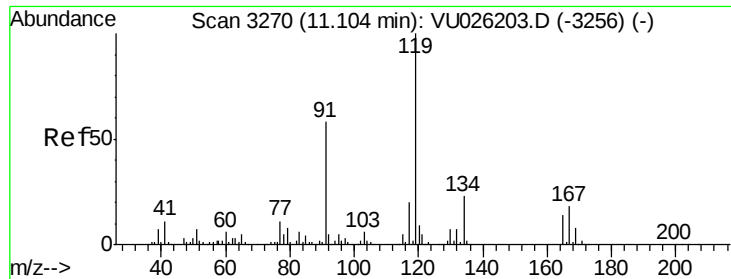
MMDadoda
8/21/2018 11:34:27 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.33 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	115730		
133	96.8	75.8	113.8	
119	65.3	53.0	79.6	





#61

Pentachloroethane

Concen: 10.08 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion:117 Resp: 96338

Ion Ratio Lower Upper

117 100

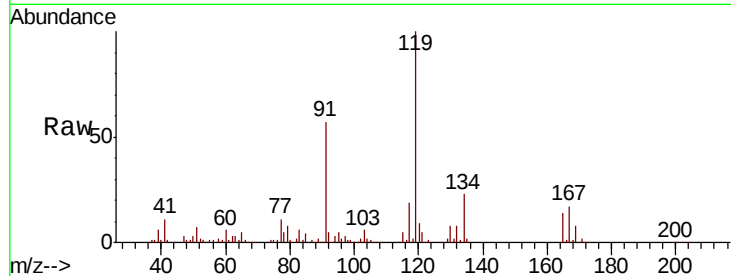
167 90.8 69.2 103.8

Manual Integrations

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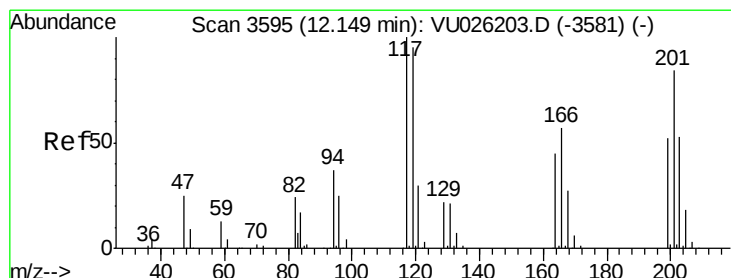
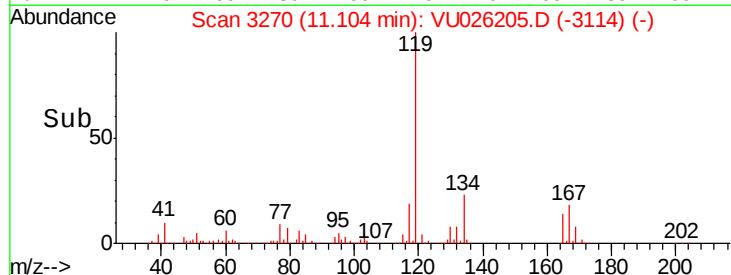
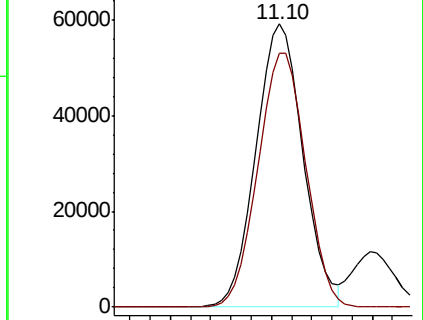
MMDadoda

8/21/2018 11:34:27 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.36 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026205.D

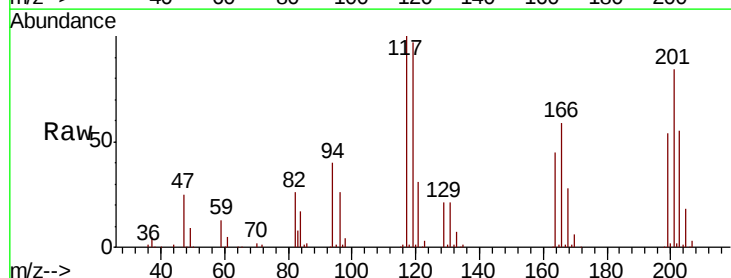
Acq: 20 Aug 2018 13:36

Tgt Ion:117 Resp: 98741

Ion Ratio Lower Upper

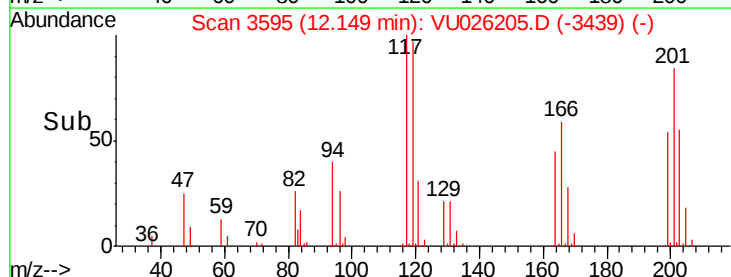
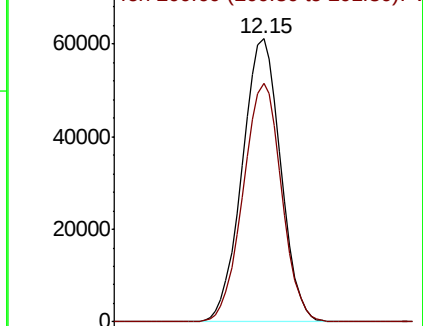
117 100

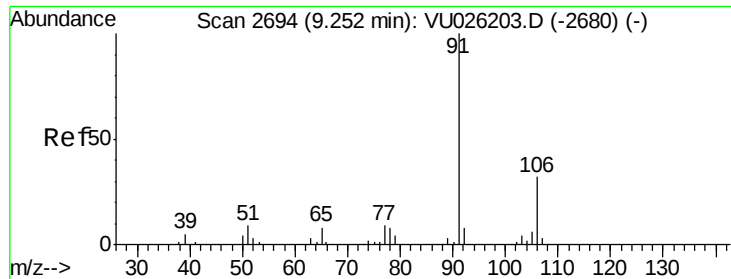
201 84.5 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





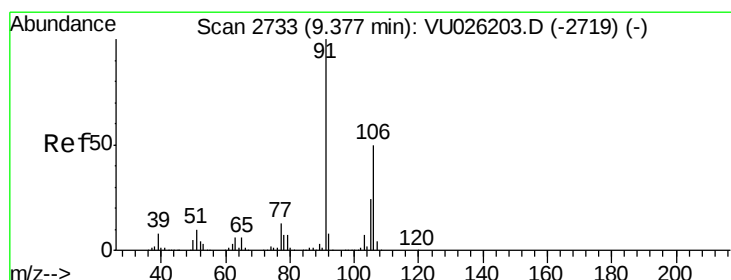
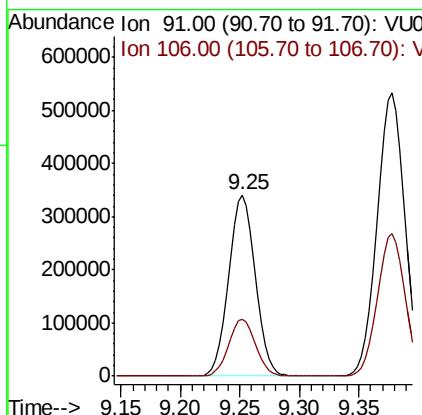
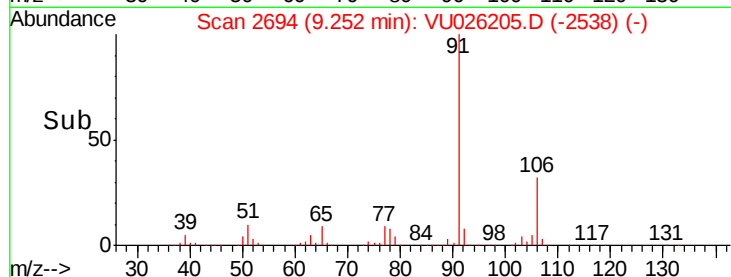
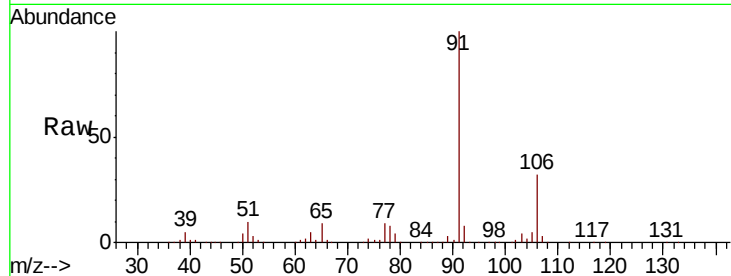
#63
Ethyl Benzene
Concen: 11.88 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion: 91 Resp: 529573
Ion Ratio Lower Upper
91 100
106 31.7 24.7 37.1

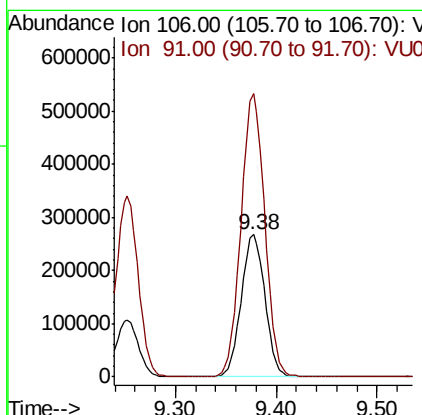
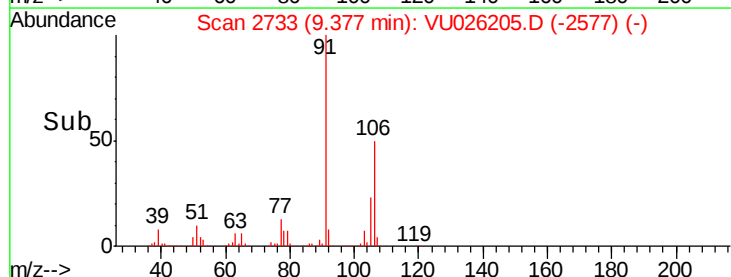
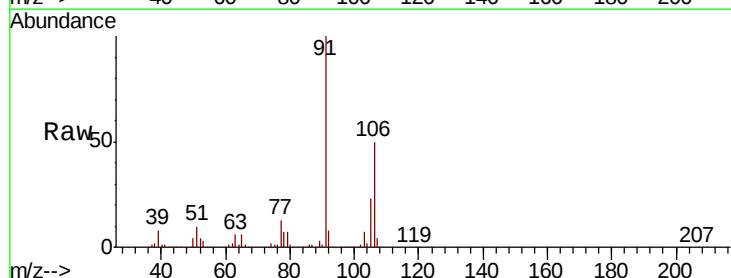
Manual Integrations
APPROVED

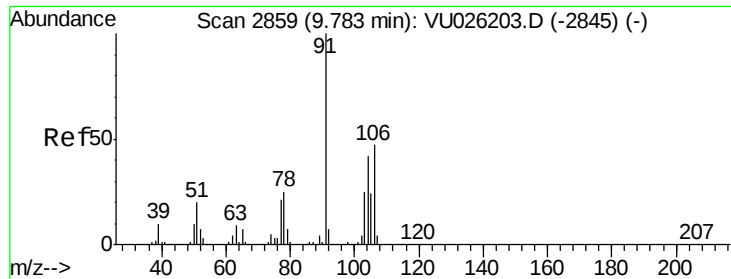
MMDadoda
8/21/2018 11:34:27 AM



#64
m/p-Xylenes
Concen: 24.42 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion: 106 Resp: 434323
Ion Ratio Lower Upper
106 100
91 198.8 164.1 246.1





#65

o-Xylene

Concen: 11.70 ug/l

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampled :

ICVVU082018

Tot Ion:106 Resp: 198436

Ion Ratio Lower Upper

106 100

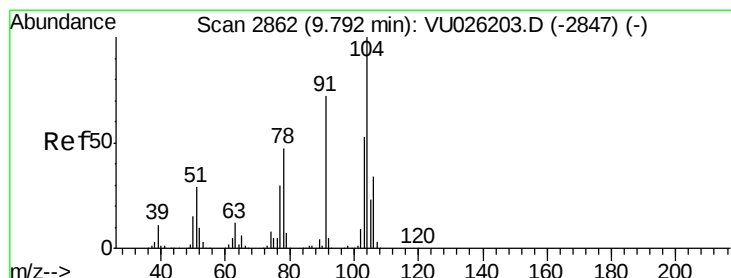
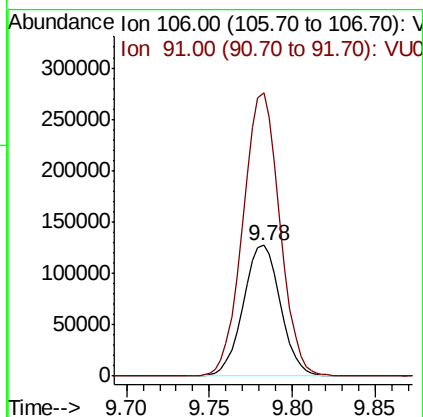
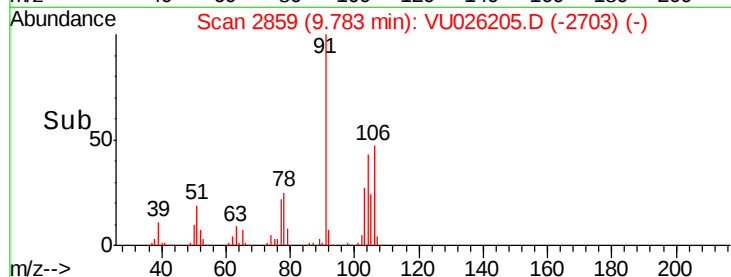
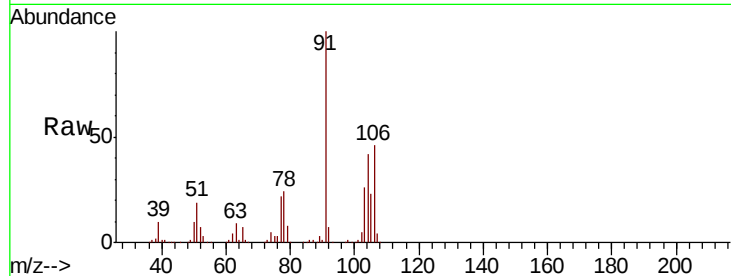
91 215.3 107.9 323.7

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#66

Styrene

Concen: 11.85 ug/l

RT: 9.79 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

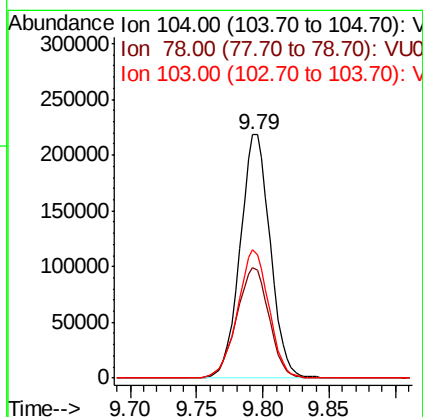
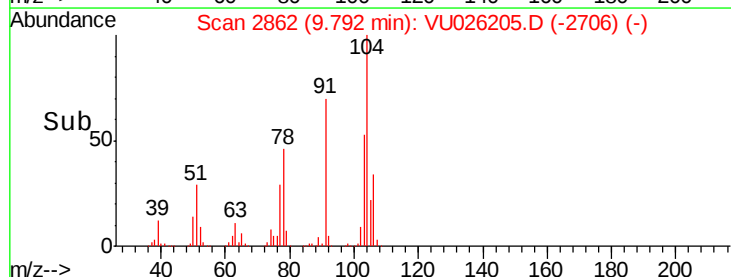
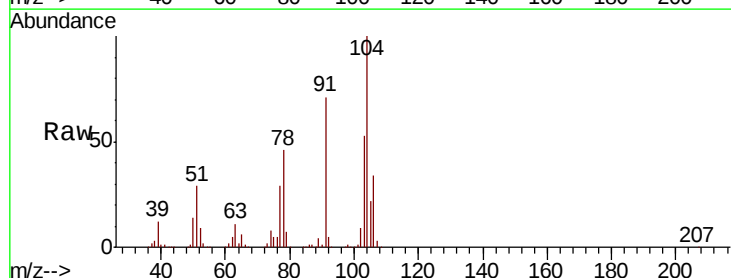
Tgt Ion:104 Resp: 344064

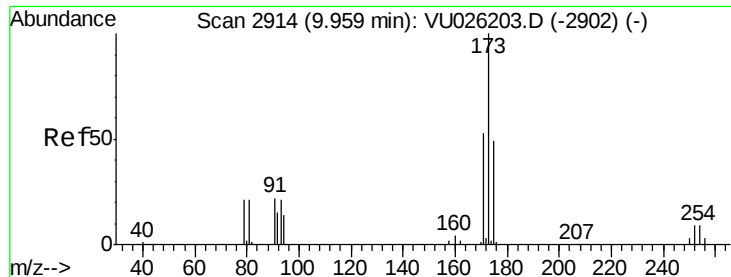
Ion Ratio Lower Upper

104 100

78 49.3 40.2 60.2

103 55.2 44.2 66.4





#67

Bromoform

Concen: 10.42 ug/l

RT: 9.96 min Scan# 2914

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

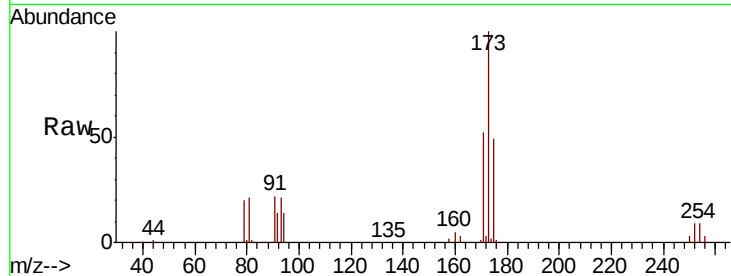
ClientSampleId :

ICVVU082018

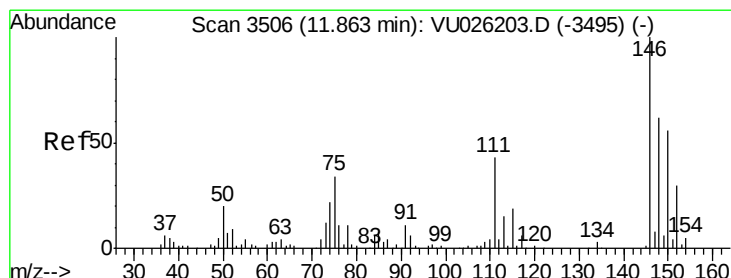
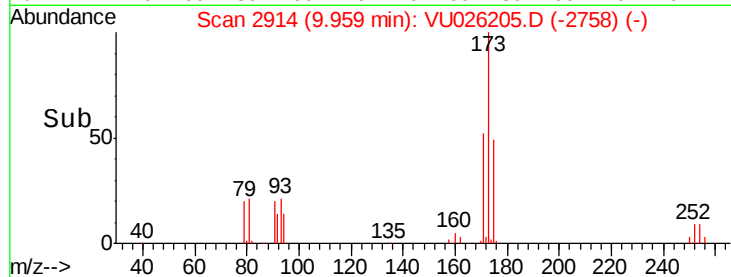
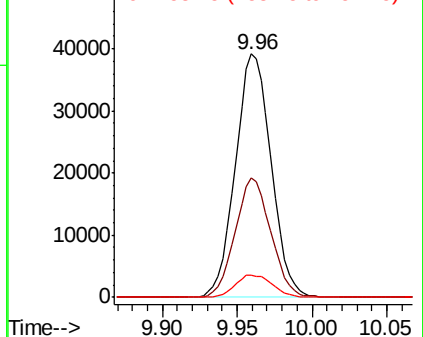
Tot Ion:	173	Resp:	65037
Ion Ratio	Lower	Upper	
173	100		
175	48.8	38.6	57.8
254	9.6	8.8	13.2

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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: 10.42 ug/l

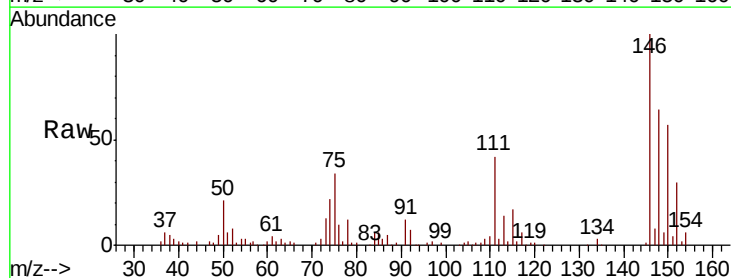
RT: 11.86 min Scan# 3506

Delta R.T. 0.00 min

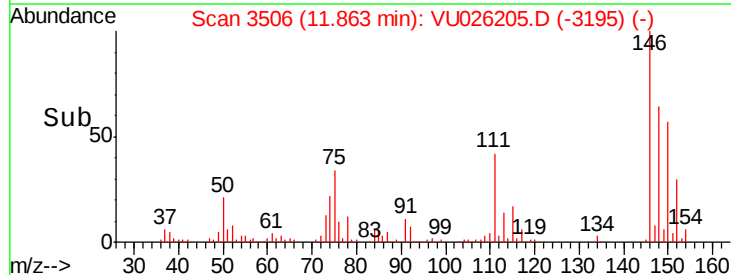
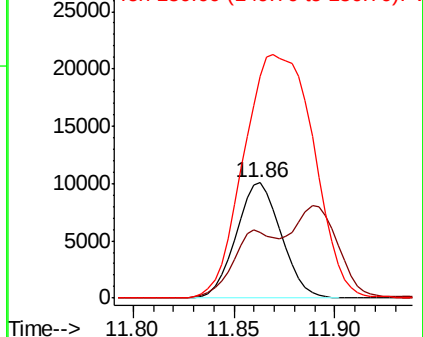
Lab File: VU026205.D

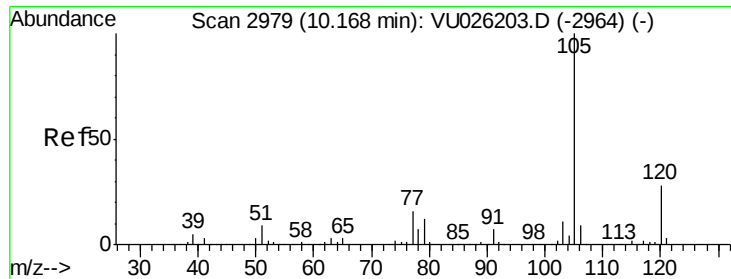
Acq: 20 Aug 2018 13:36

Tgt Ion:	152	Resp:	15720
Ion Ratio	Lower	Upper	
152	100		
115	57.5	0.0	118.8
150	325.8	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: 12.37 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 105 Resp: 554561

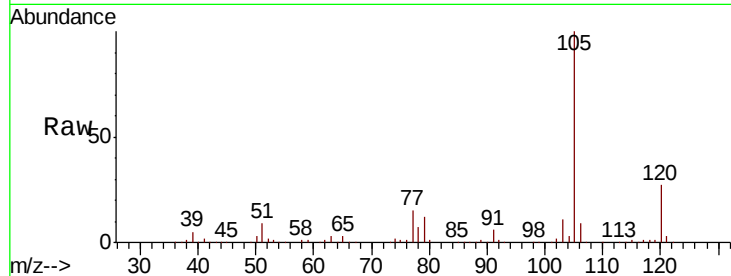
Ion Ratio Lower Upper

105 100

120 26.9 13.1 39.3

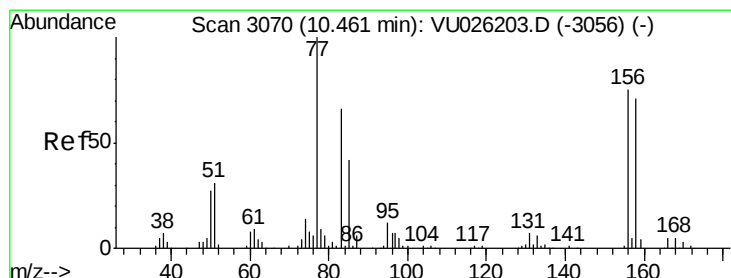
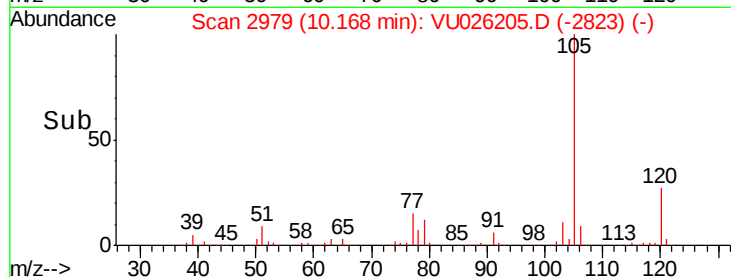
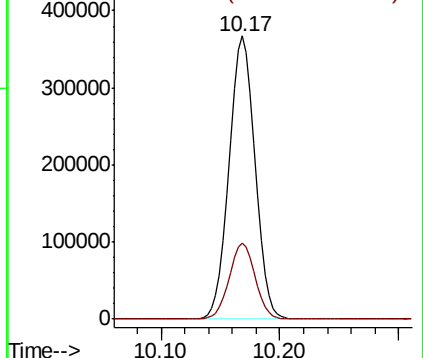
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#70

1,1,2,2-Tetrachloroethane

Concen: 10.18 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

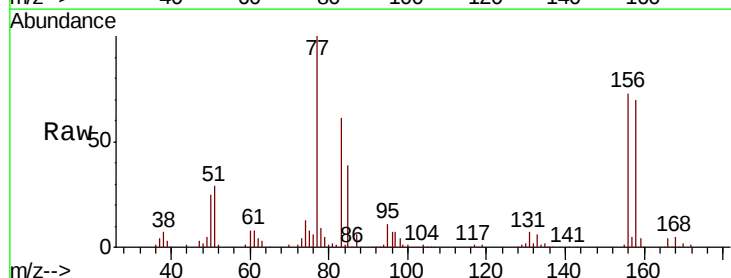
Tgt Ion: 83 Resp: 101183

Ion Ratio Lower Upper

83 100

131 10.6 7.9 11.9

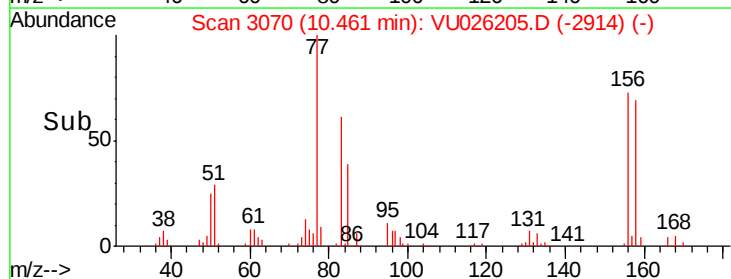
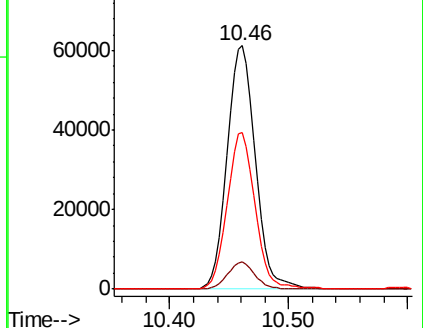
85 63.3 51.8 77.6

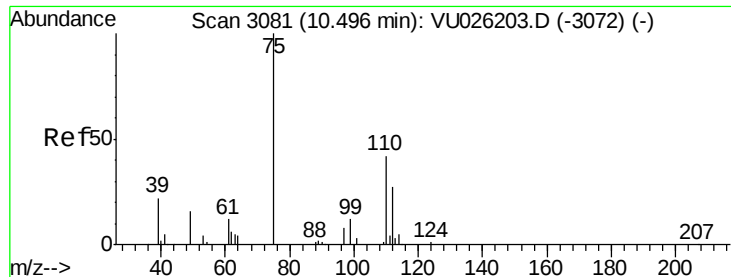


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VU0





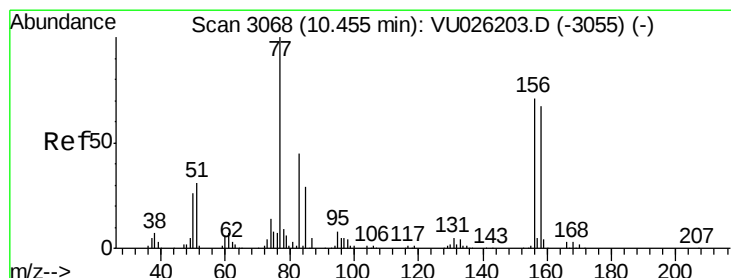
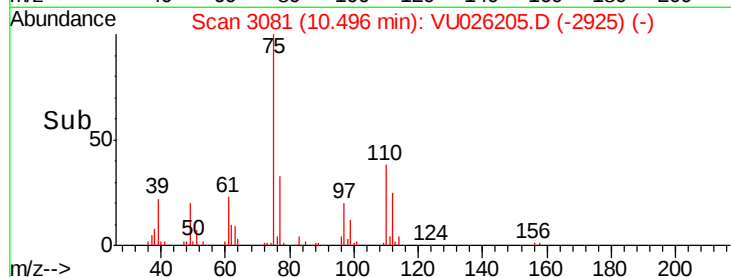
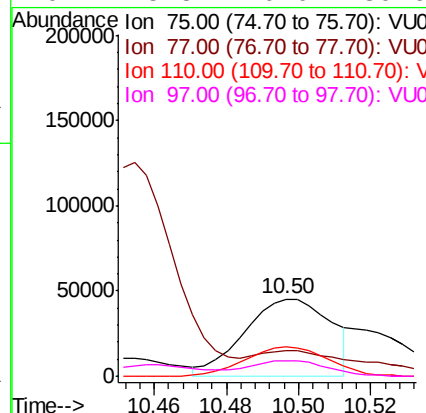
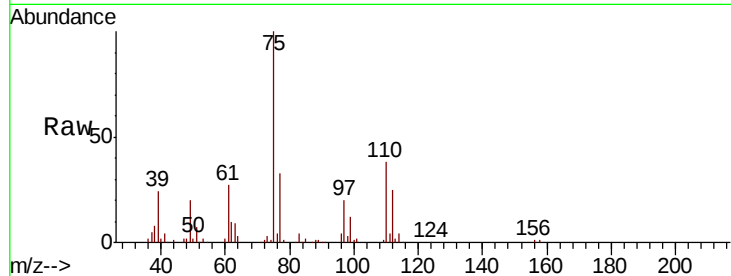
#71
 1,2,3-Trichloropropane
 Concen: 10.66 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ratio	Lower	Upper
75	100		
77	42.5	0.0	0.0#
110	37.1	0.0	74.0
97	18.8	0.0	39.6

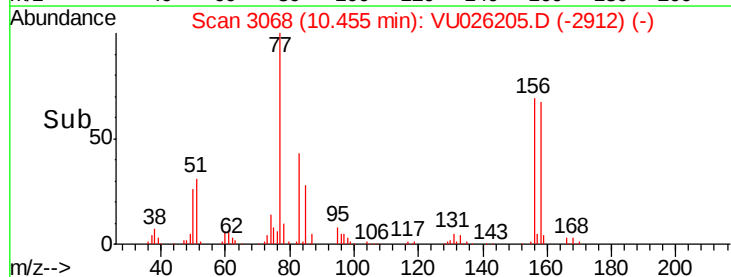
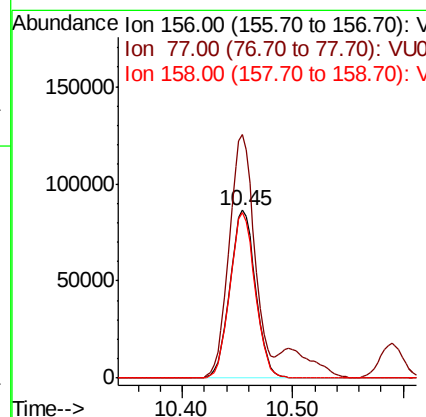
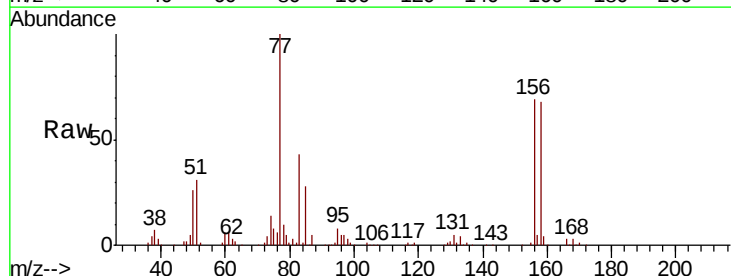
Manual Integrations
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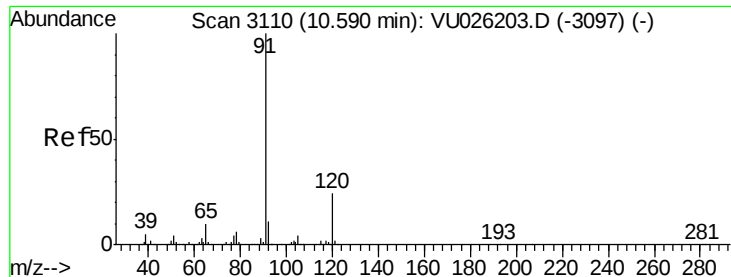
MMDadoda
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#72
 Bromobenzene
 Concen: 11.10 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Lower	Upper
156	100		
77	144.6	0.0	309.8
158	97.2	0.0	193.0





#73

n-propylbenzene

Concen: 12.06 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion:120 Resp: 158093

Ion Ratio Lower Upper

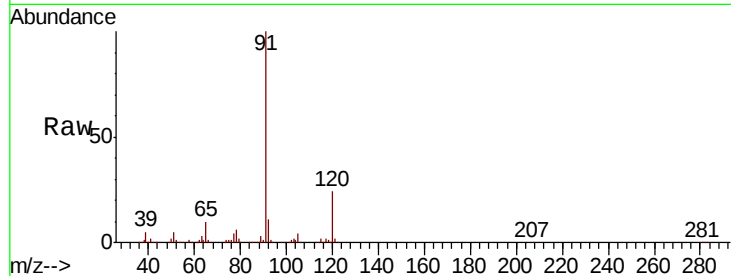
120 100

91 421.6 352.2 528.4

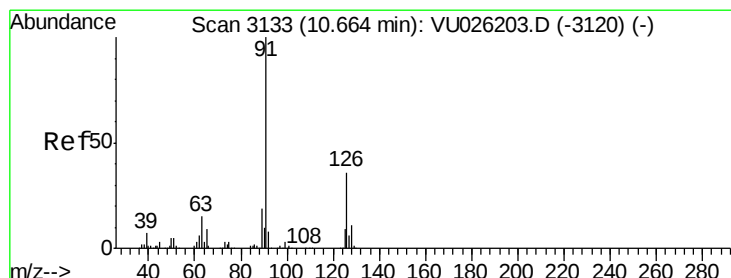
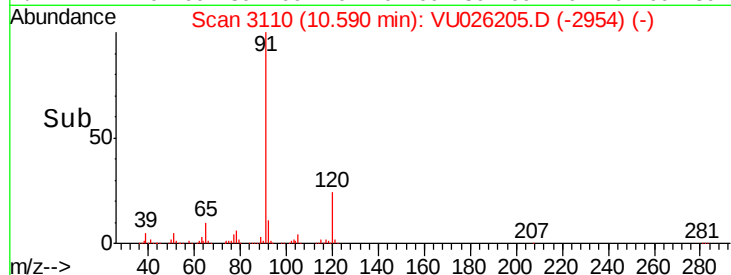
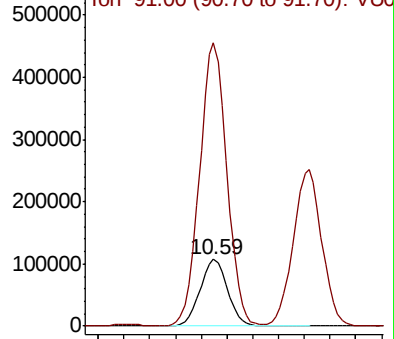
Manual Integrations
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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 11.28 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026205.D

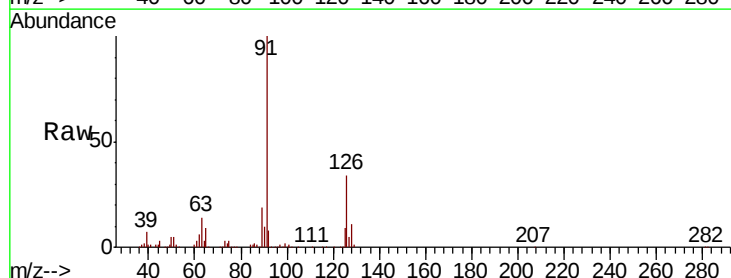
Acq: 20 Aug 2018 13:36

Tgt Ion:126 Resp: 133400

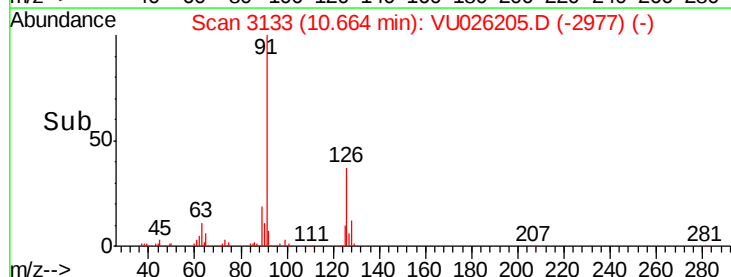
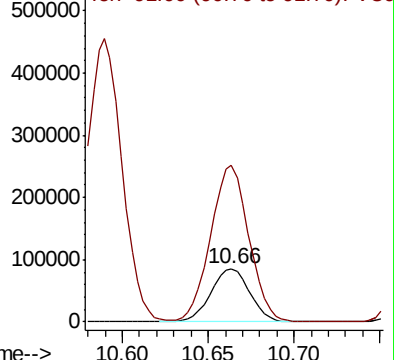
Ion Ratio Lower Upper

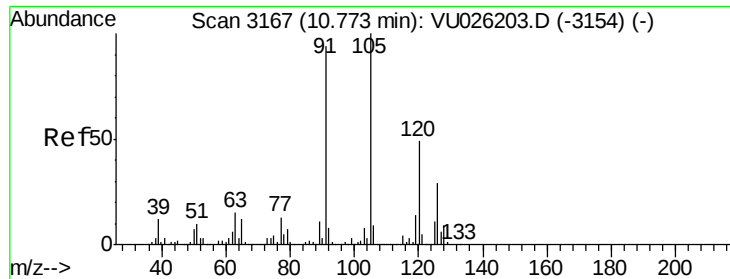
126 100

91 288.8 0.0 613.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 12.13 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion:105 Resp: 483294

Ion Ratio Lower Upper

105 100

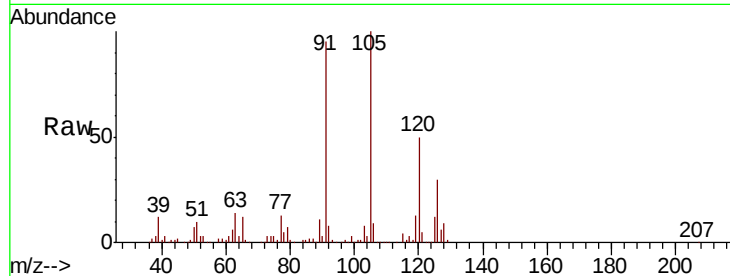
120 49.8 39.0 58.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

10.77

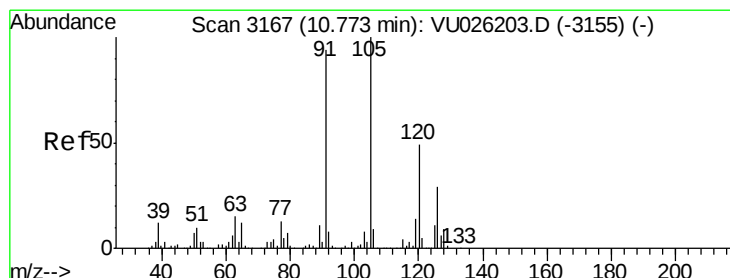
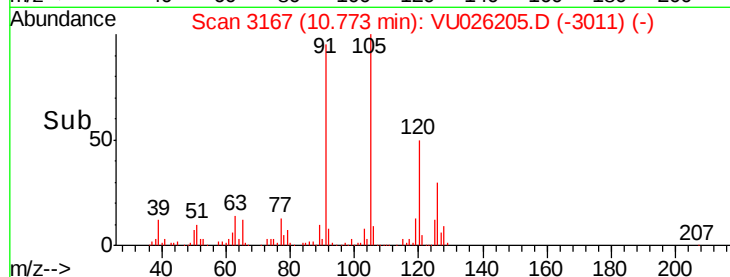
300000

200000

100000

0

Time-->



#76

4-Chlorotoluene

Concen: 12.10 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026205.D

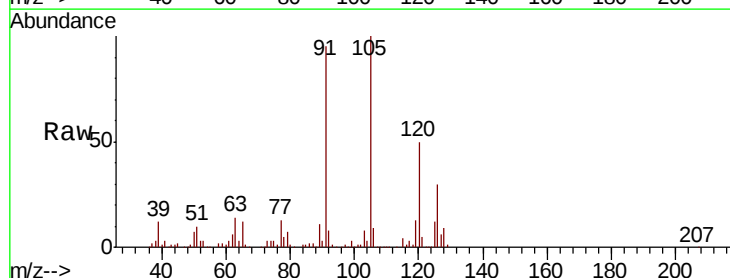
Acq: 20 Aug 2018 13:36

Tgt Ion:126 Resp: 147116

Ion Ratio Lower Upper

126 100

91 319.1 0.0 667.2



Abundance Ion 126.00 (125.70 to 126.70): V

Ion 91.00 (90.70 to 91.70): VU0

10.77

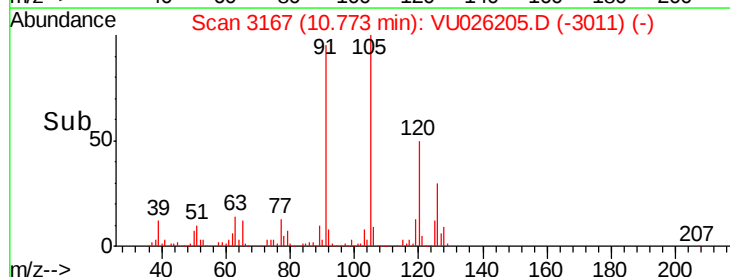
300000

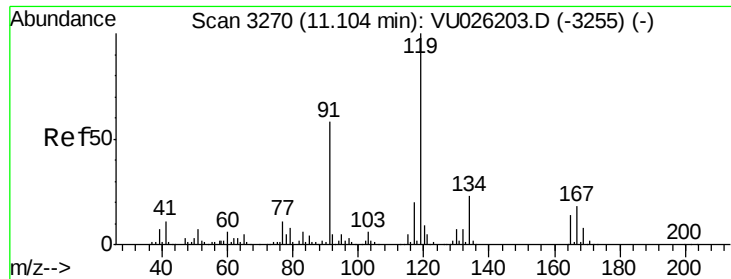
200000

100000

0

Time-->





#77

tert-Butylbenzene

Concen: 11.69 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

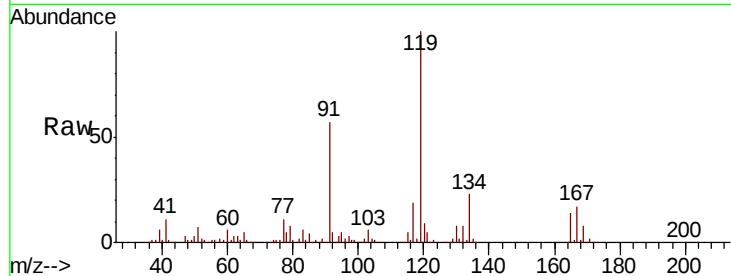
ClientSampleId :

ICVVU082018

Tot Ion:	119	Resp:	463966
Ion Ratio	Lower	Upper	
119	100		
91	57.3	29.6	88.8
134	23.0	19.1	28.7

Manual Integrations
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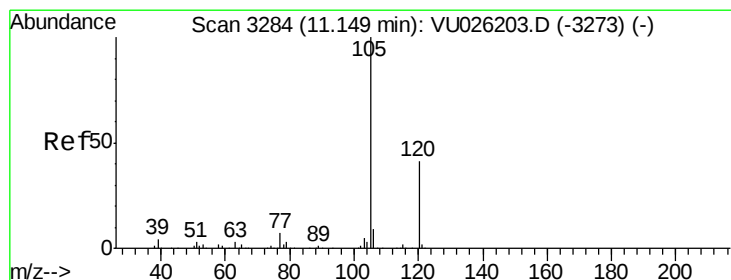
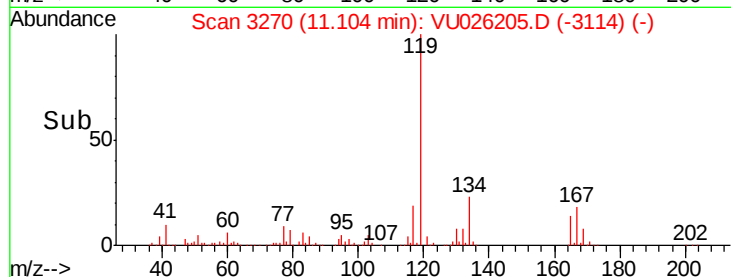
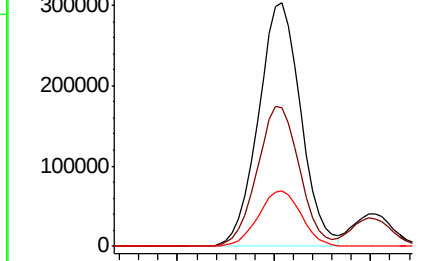
MMDadoda
8/21/2018 11:34:27 AM



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: 12.12 ug/l

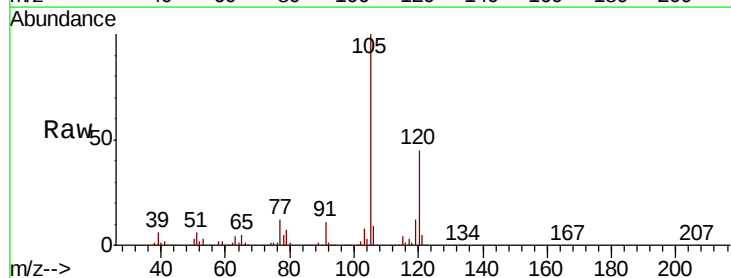
RT: 11.15 min Scan# 3284

Delta R.T. 0.00 min

Lab File: VU026205.D

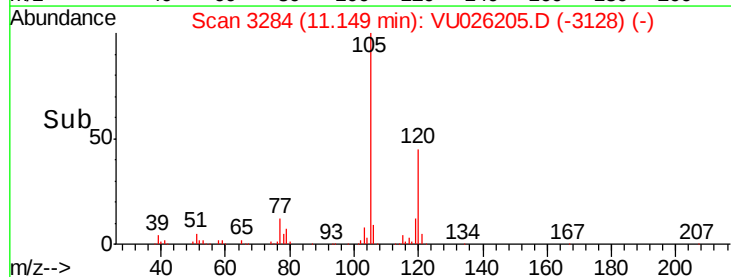
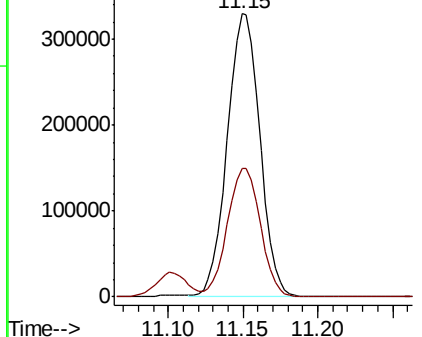
Acq: 20 Aug 2018 13:36

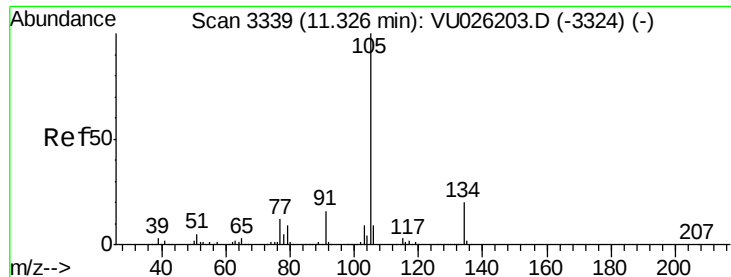
Tgt Ion:	105	Resp:	499762
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.1	69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 11.46 ug/l

RT: 11.33 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

ClientSampleId :

ICVVU082018

Tot Ion: 105 Resp: 595829

Ion Ratio Lower Upper

105 100

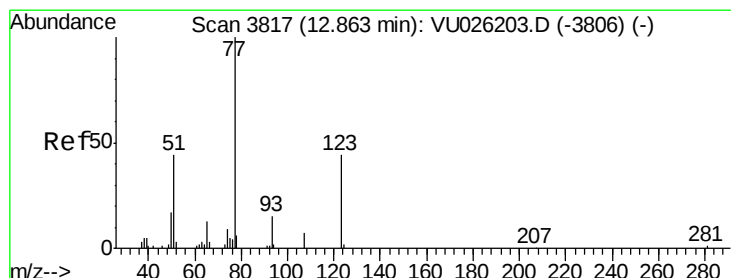
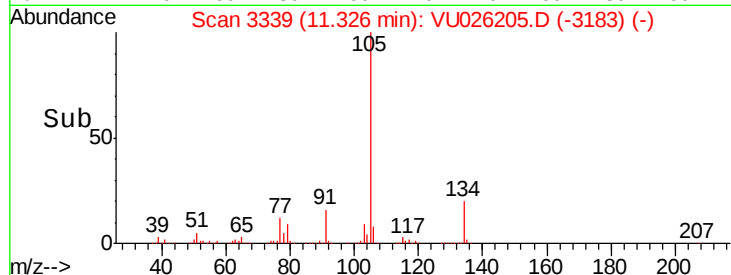
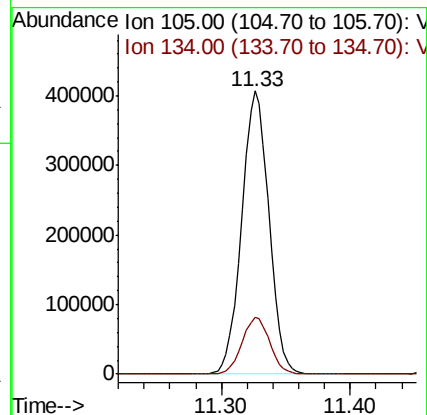
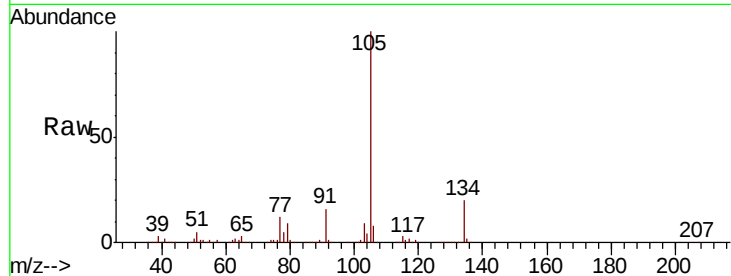
134 20.4 15.6 23.4

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#80

Nitrobenzene

Concen: 13.38 ug/l

RT: 12.86 min Scan# 3817

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

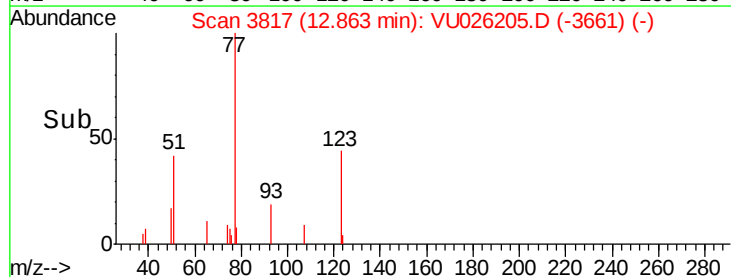
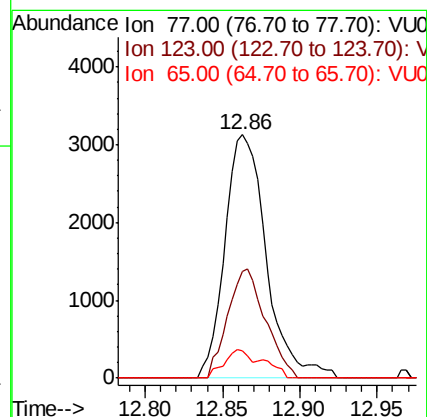
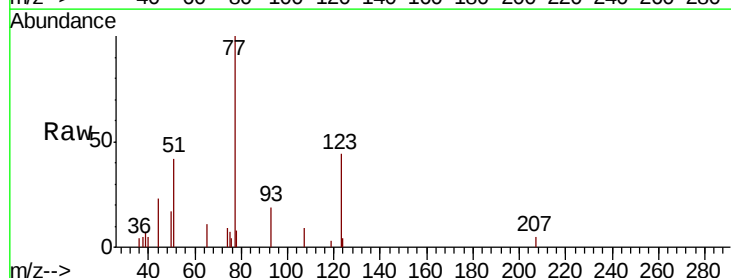
Tgt Ion: 77 Resp: 5810

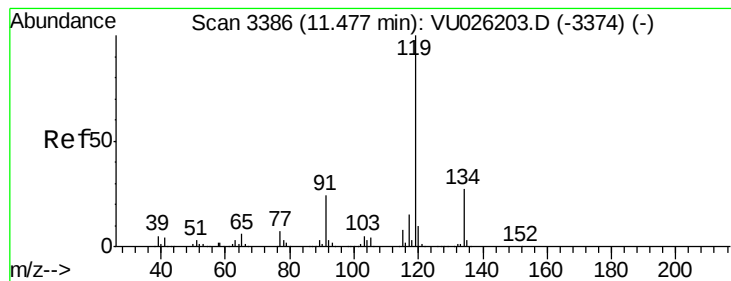
Ion Ratio Lower Upper

77 100

123 40.7 19.4 68.6

65 10.8 11.2 14.2#





#81

p-Isopropyltoluene

Concen: 12.21 ug/l

RT: 11.48 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

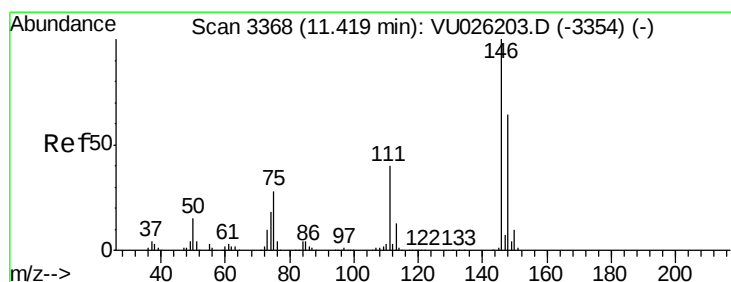
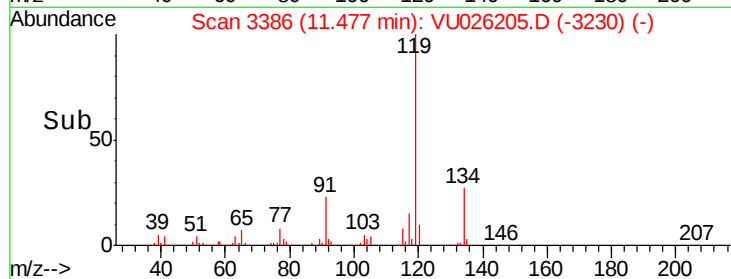
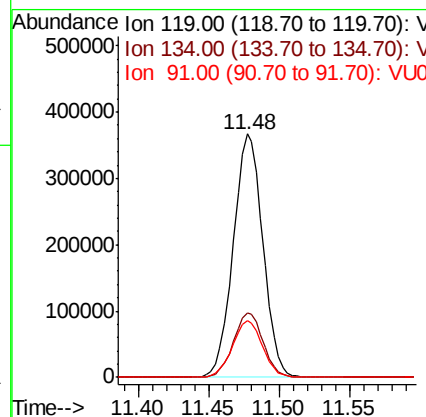
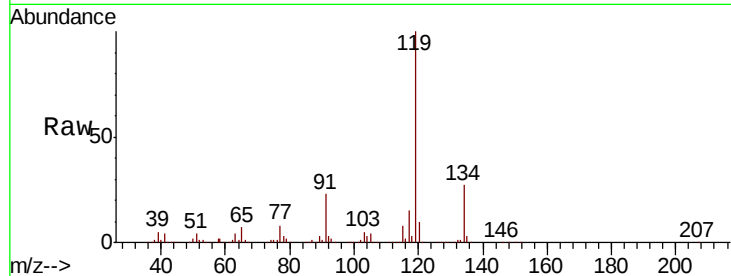
ClientSampleId :

ICVVU082018

Tot Ion:	119	Resp:	537000
Ion Ratio	Lower	Upper	
119	100		
134	26.8	20.9	31.3
91	23.5	18.2	27.2

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#82

1,3-Dichlorobenzene

Concen: 10.80 ug/l

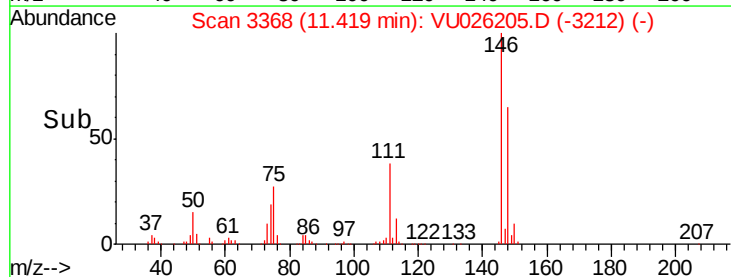
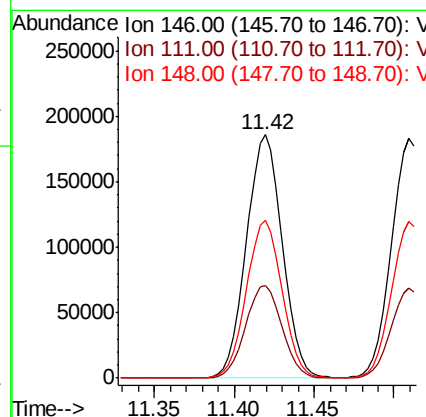
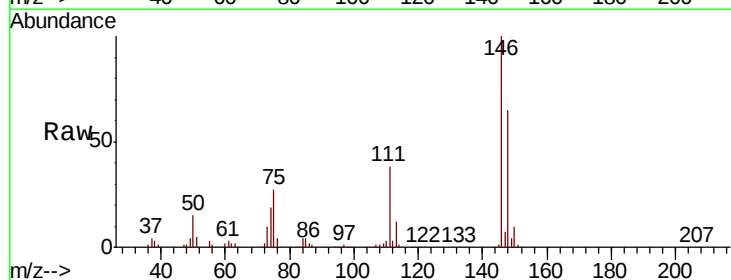
RT: 11.42 min Scan# 3368

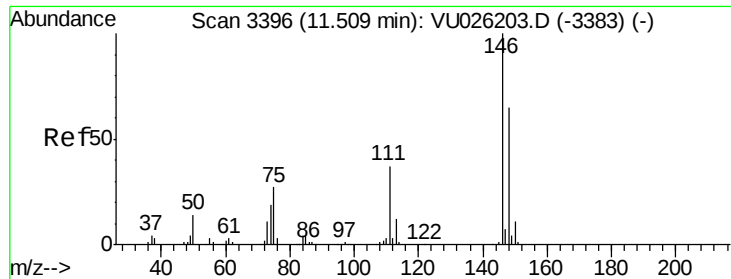
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	146	Resp:	285457
Ion Ratio	Lower	Upper	
146	100		
111	38.3	31.8	47.6
148	64.3	51.0	76.4





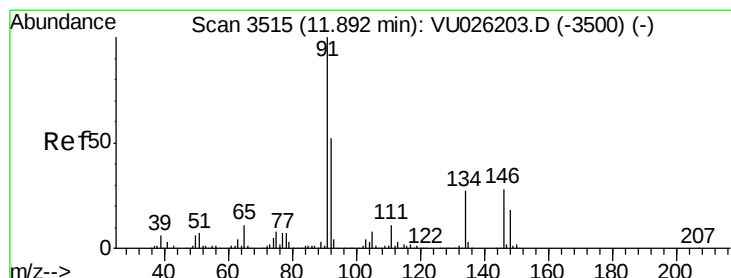
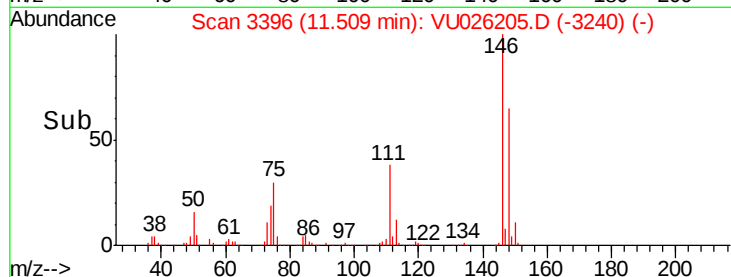
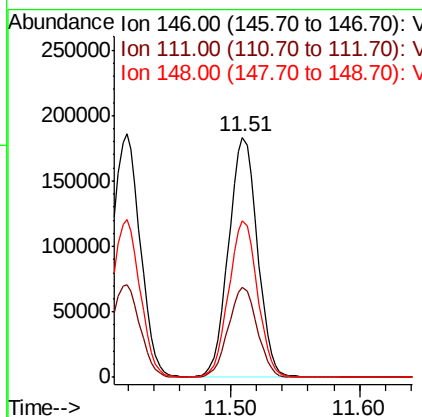
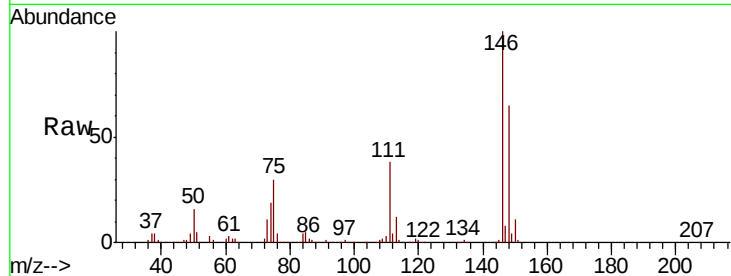
#83
1,4-Dichlorobenzene
Concen: 10.79 ug/l
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	Ratio	Resp	Lower	Upper
146	100	284610		
111	37.6		30.1	45.1
148	65.2		50.6	76.0

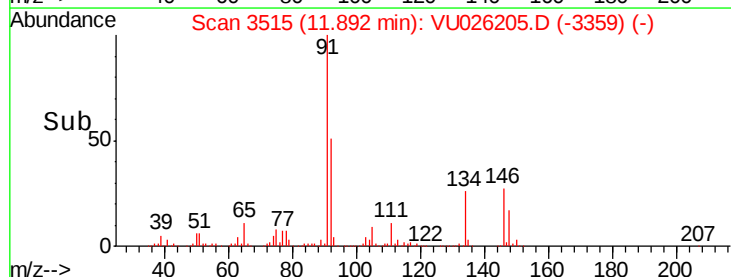
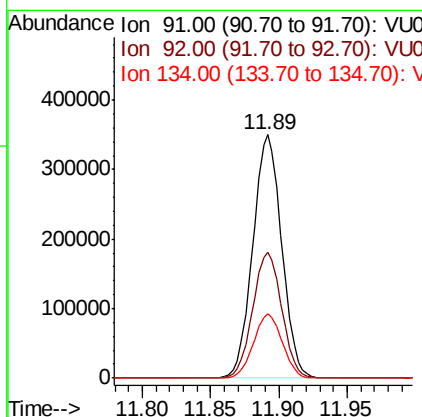
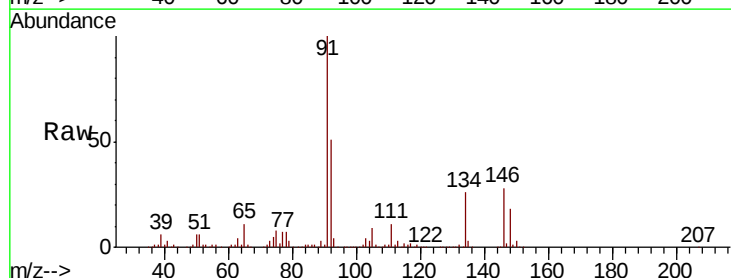
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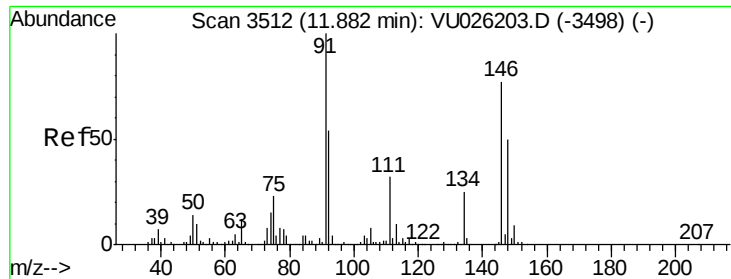
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#84
n-Butylbenzene
Concen: 12.05 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	513015		
92	51.9		42.2	63.2
134	26.5		20.3	30.5





#85

1,2-Dichlorobenzene

Concen: 10.65 ug/l

RT: 11.88 min Scan# 3512

Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Instrument :

MSVOA_U

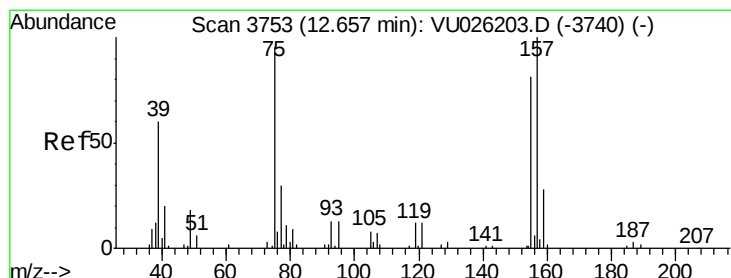
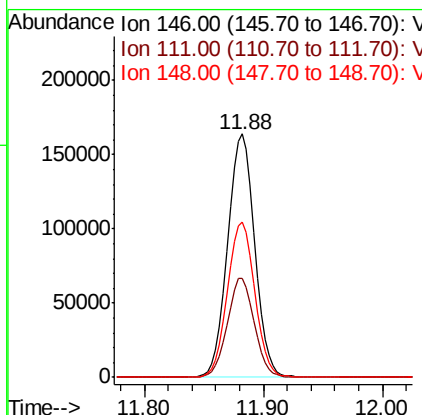
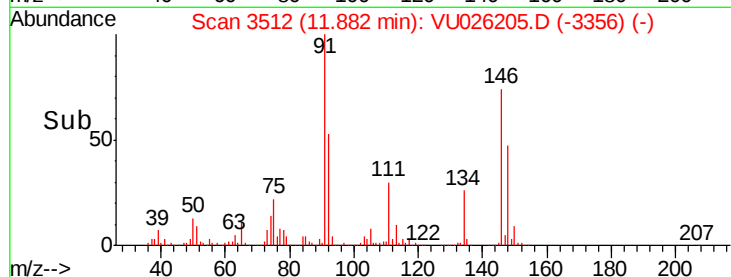
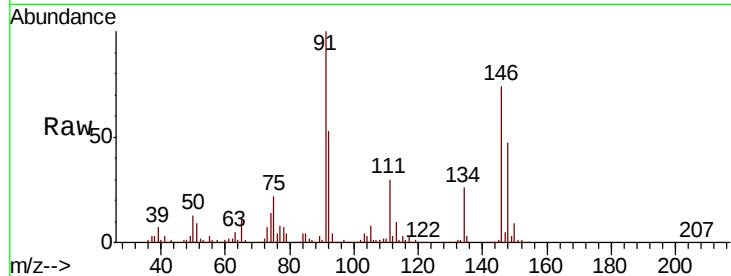
ClientSampleId :

ICVVU082018

Tot Ion:	146	Resp:	258363
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.7	62.1
148	64.6	31.9	95.5

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#86

1,2-Dibromo-3-Chloropropane

Concen: 10.58 ug/l

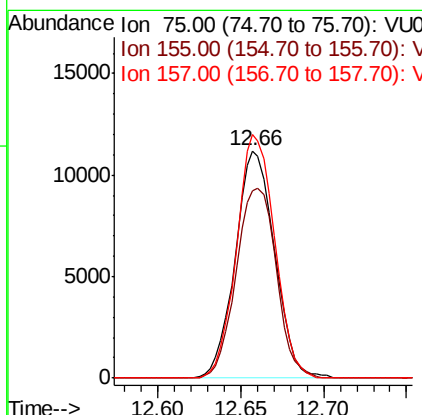
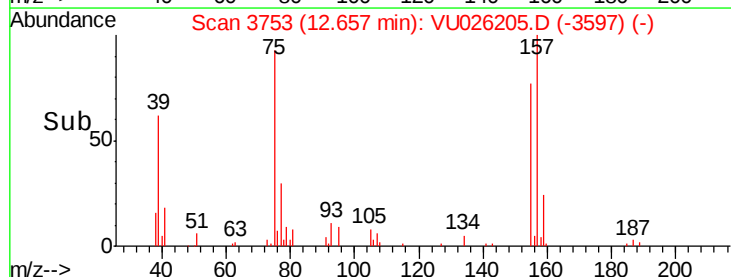
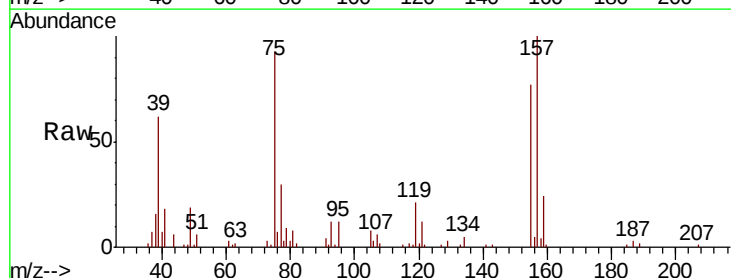
RT: 12.66 min Scan# 3753

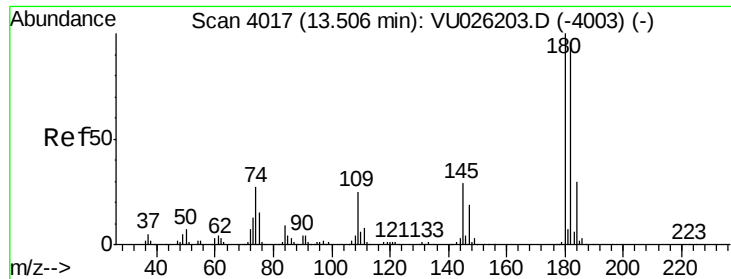
Delta R.T. 0.00 min

Lab File: VU026205.D

Acq: 20 Aug 2018 13:36

Tgt Ion:	75	Resp:	18511
Ion Ratio	Lower	Upper	
75	100		
155	85.4	65.8	98.6
157	103.7	83.5	125.3





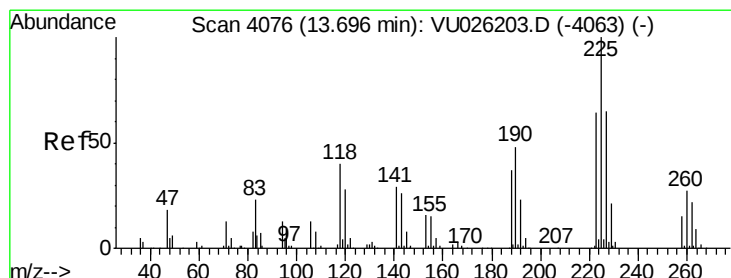
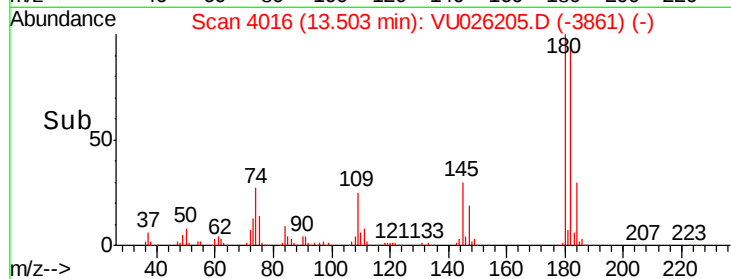
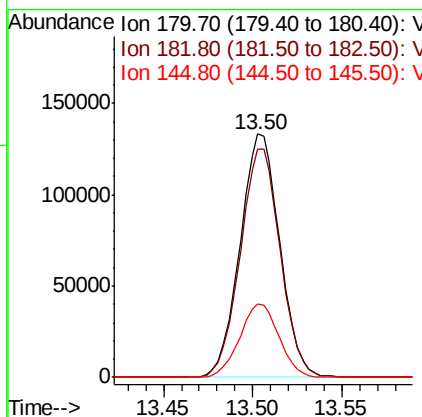
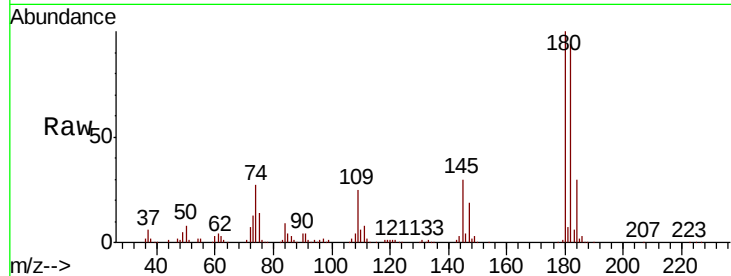
#87
 1,2,4-Trichlorobenzene
 Concen: 12.12 ug/l
 RT: 13.50 min Scan# 4016
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 ICVVU082018

Tot Ion	Ratio	Resp	Lower	Upper
180	100	206834		
182	95.1	77.1	115.7	
145	29.9	23.3	34.9	

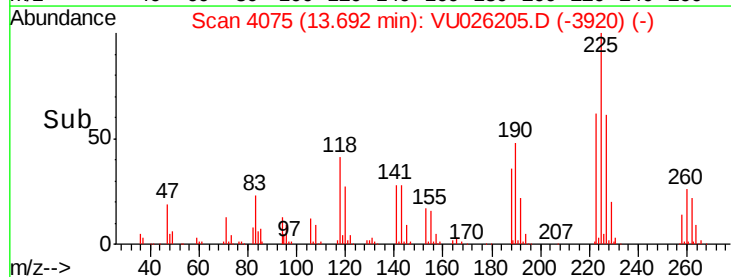
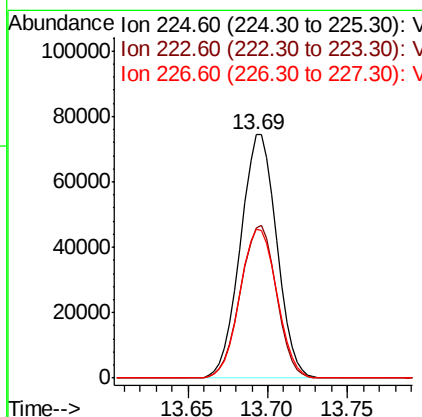
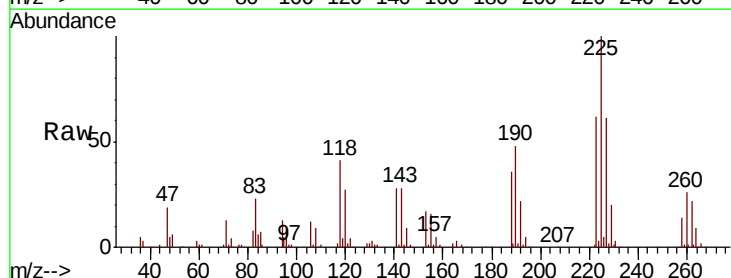
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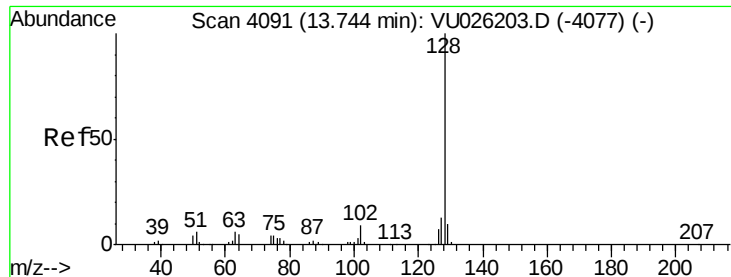
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#88
 Hexachlorobutadiene
 Concen: 11.06 ug/l
 RT: 13.69 min Scan# 4075
 Delta R.T. -0.00 min
 Lab File: VU026205.D
 Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115500		
223	62.0	50.6	75.8	
227	62.3	51.8	77.6	





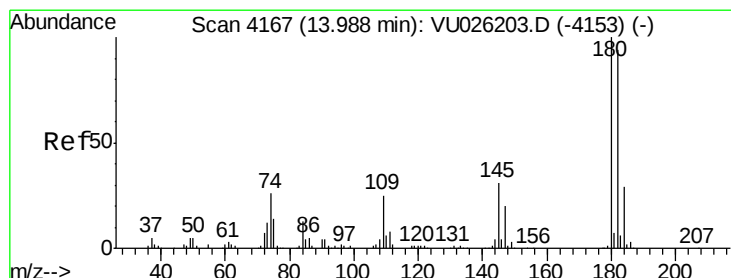
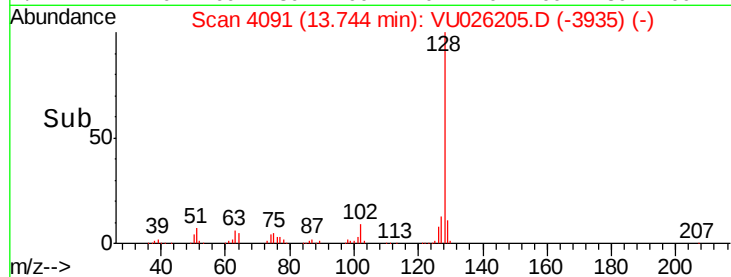
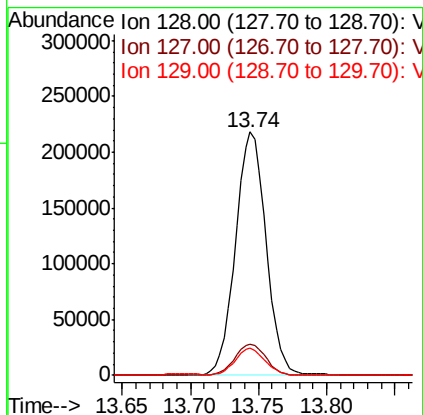
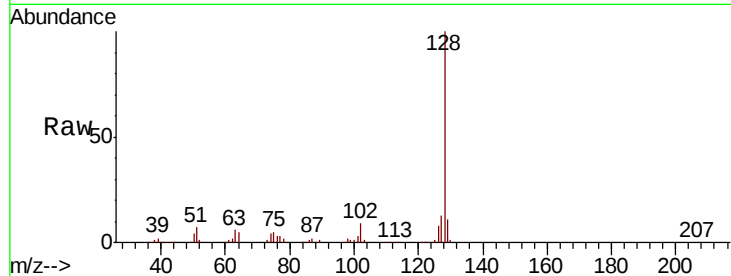
#89
Naphthalene
Concen: 12.63 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Instrument :
MSVOA_U
ClientSampleId :
ICVVU082018

Tot Ion	Ratio	Resp	Lower	Upper
128	100	339490		
127	13.2	10.5	15.7	
129	10.7	8.7	13.1	

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#90
1,2,3-Trichlorobenzene
Concen: 11.43 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026205.D
Acq: 20 Aug 2018 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	183693		
182	97.1	76.8	115.2	
145	31.1	24.6	36.8	

