

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082018\
 Data File : VU026203.D
 Acq On : 20 Aug 2018 12:48
 Operator : MD/SY
 Sample : VSTDICCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda

8/21/2018 11:34:26 AM

Quant Time: Aug 20 13:19:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:08:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.75	96	36935	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	14025	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	15513	1.02	ug/l	0.00
Spiked Amount	1.000		Recovery	=	102.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	138356	10.51	ug/l	100
3) Chloromethane	1.33	50	115806	9.30	ug/l	99
4) Vinyl Chloride	1.40	62	118566	10.29	ug/l	100
5) Bromomethane	1.63	94	66308	11.81	ug/l	97
6) Chloroethane	1.70	64	69025	9.98	ug/l	99
7) Trichlorofluoromethane	1.89	101	172824	10.28	ug/l	98
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	97390	10.55	ug/l	99
9) 1,1-Dichloroethene	2.29	96	81539	10.01	ug/l	94
10) Iodomethane	2.41	142	133561	16.27	ug/l	93
11) Allyl Chloride	2.59	41	140210	10.30	ug/l	88
12) Acrylonitrile	2.94	53	35935	20.02	ug/l	97
13) Acetone	2.32	43	77013	49.33	ug/l	97
14) Carbon Disulfide	2.48	76	283044	10.16	ug/l	100
15) Methylene Chloride	2.70	84	90899	9.36	ug/l	95
16) trans-1,2-Dichloroethene	2.98	96	91546	10.03	ug/l	91
17) 1,1-Dichloroethane	3.45	63	172298	9.51	ug/l	99
18) 2-Butanone	4.28	43	137643	50.81	ug/l	99
19) Cyclohexane	4.99	56	141946	10.17	ug/l	87
20) Methylcyclohexane	6.42	83	171391	10.01	ug/l	95
21) 2,2-Dichloropropane	4.23	77	180463	10.45	ug/l	99
22) cis-1,2-Dichloroethene	4.23	96	118808	10.34	ug/l	92
23) Diethyl Ether	2.10	59	62851	10.19	ug/l	96
24) tert-Butyl Alcohol	2.84	59	60689	83.77	ug/l #	82
25) Methyl tert-Butyl Ether	3.01	73	215039	9.76	ug/l	98
26) Bromochloromethane	4.55	128	53744	10.62	ug/l	83
27) Chloroform	4.68	83	201560	10.13	ug/l	100
28) 1,1,1-Trichloroethane	4.92	97	183091	10.20	ug/l	97
29) 1,1-Dichloropropene	5.14	75	153523	10.43	ug/l	98
30) Carbon Tetrachloride	5.14	117	173943	10.67	ug/l	97
31) Isopropyl Ether	3.58	45	293029	10.10	ug/l	93
32) Ethyl-t-butyl ether	4.08	59	264557	9.60	ug/l	94
33) Tert-Amyl methyl ether	5.59	73	239898	9.86	ug/l	99
34) Propionitrile	4.34	54	38668	51.37	ug/l #	91
35) Benzene	5.39	78	422341	10.26	ug/l	100
36) 1,2-Dichloroethane	5.41	62	128216	10.15	ug/l	100
37) Trichloroethene	6.19	130	116154	9.58	ug/l	99
38) 1,2-Dichloropropane	6.44	63	110360	10.34	ug/l	99
39) Methacrylonitrile	4.55	41	34407	9.93	ug/l #	91
40) Methyl acrylate	4.43	55	51860	9.92	ug/l #	96
41) Tetrahydrofuran	4.66	42	33497	16.36	ug/l	93
42) 1-Chlorobutane	5.07	56	209124	10.42	ug/l	97

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Manual Integrations
 APPROVED

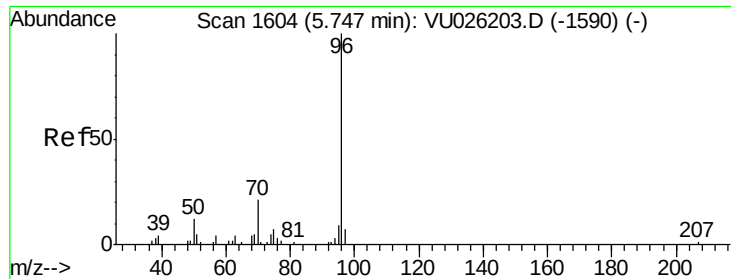
MMDadoda

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	57786	10.37	ug/l	97
44) Bromodichloromethane	6.76	83	147573	10.45	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	314909	50.66	ug/l	97
46) t-1,4-Dichloro-2-butene	10.52	75	59287m	22.24	ug/l	
47) Methyl methacrylate	6.63	69	98855	21.21	ug/l	94
48) Ethyl methacrylate	8.02	69	92933	9.93	ug/l	100
49) Toluene	7.64	92	262105	10.42	ug/l	96
50) t-1,3-Dichloropropene	7.88	75	133191	10.45	ug/l	98
51) cis-1,3-Dichloropropene	7.27	75	154381	10.11	ug/l	98
52) 1,1,2-Trichloroethane	8.07	97	77863	10.42	ug/l	98
53) 1,3-Dichloropropane	8.25	76	132679	10.52	ug/l	99
54) 2-Hexanone	8.37	43	226223	51.53	ug/l	99
55) Dibromochloromethane	8.48	129	105505	11.10	ug/l	99
56) 1,2-Dibromoethane	8.59	107	76572	10.59	ug/l	99
58) Tetrachloroethene	8.23	164	112300	10.31	ug/l	97
59) Chlorobenzene	9.12	112	291071	10.07	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.21	131	111961	10.43	ug/l	98
61) Pentachloroethane	11.10	117	93844	11.45	ug/l	97
62) Hexachloroethane	12.15	117	99177	11.85	ug/l	96
63) Ethyl Benzene	9.25	91	497900	10.35	ug/l	98
64) m/p-Xylenes	9.38	106	409353	21.65	ug/l	97
65) o-Xylene	9.78	106	189350	10.51	ug/l	98
66) Styrene	9.79	104	331541	10.83	ug/l	99
67) Bromoform	9.96	173	63535	11.33	ug/l	98
69) Isopropylbenzene	10.17	105	505433	10.38	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.46	83	98966	10.54	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	71992m	9.84	ug/l	
72) Bromobenzene	10.45	156	131971	10.44	ug/l	95
73) n-propylbenzene	10.59	120	151771	11.06	ug/l	93
74) 2-Chlorotoluene	10.66	126	130497	10.81	ug/l	88
75) 1,3,5-Trimethylbenzene	10.77	105	460856	10.84	ug/l	100
76) 4-Chlorotoluene	10.77	126	134476	10.59	ug/l	96
77) tert-Butylbenzene	11.10	119	445472	10.63	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	479520	11.05	ug/l	100
79) sec-Butylbenzene	11.33	105	590794	10.72	ug/l	98
80) Nitrobenzene	12.86	77	23276	81.44	ug/l	98
81) p-Isopropyltoluene	11.48	119	513489	10.99	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	276965	10.65	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	277215	10.93	ug/l	98
84) n-Butylbenzene	11.89	91	488367	11.14	ug/l	98
85) 1,2-Dichlorobenzene	11.88	146	251906	10.61	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	17211	11.11	ug/l	96
87) 1,2,4-Trichlorobenzene	13.51	180	180499	10.92	ug/l	100
88) Hexachlorobutadiene	13.70	225	107386	10.57	ug/l	99
89) Naphthalene	13.74	128	307504	11.46	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	174374	11.54	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.75 min Scan# 1604

Delta R.T. 0.00 min

Lab File: VU026203.D

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Instrument :

MSVOA_U

ClientSampleId :

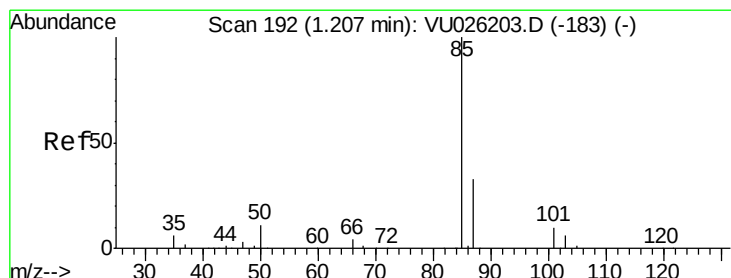
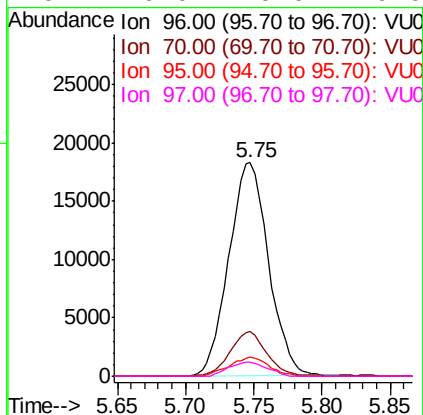
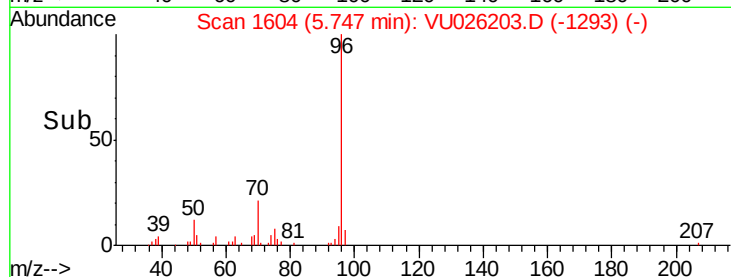
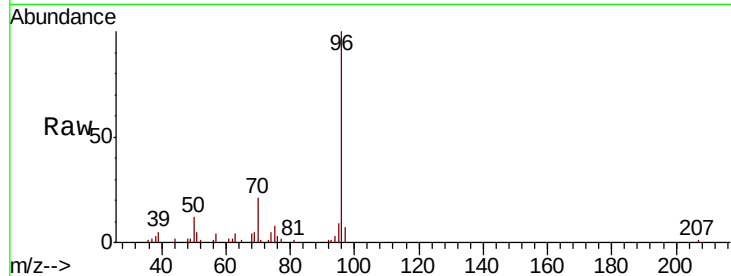
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		36935		
70	18.4	16.2	24.4		
95	8.7	6.9	10.3		
97	0.0	0.0	0.0		

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 10.51 ug/l

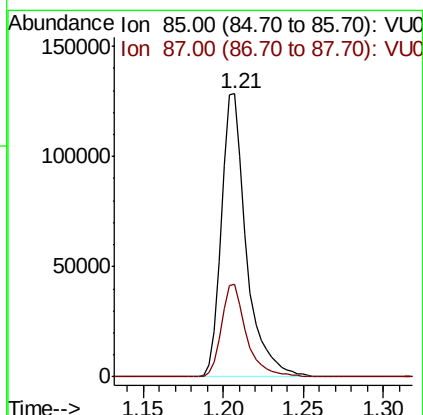
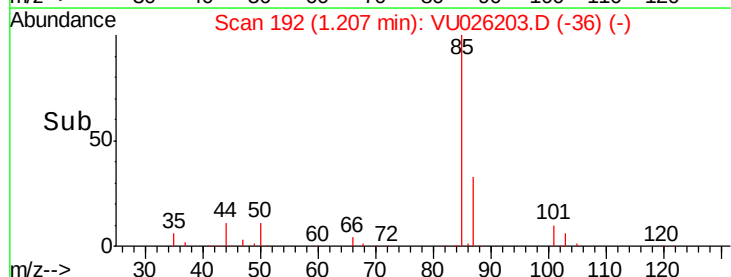
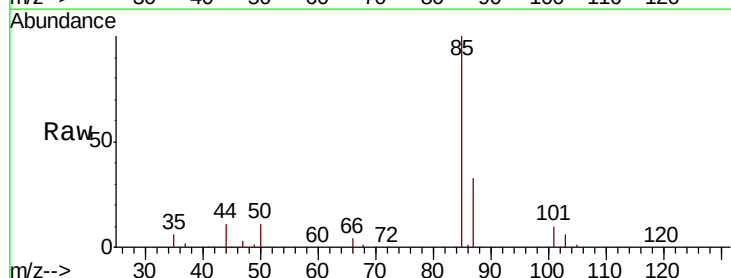
RT: 1.21 min Scan# 192

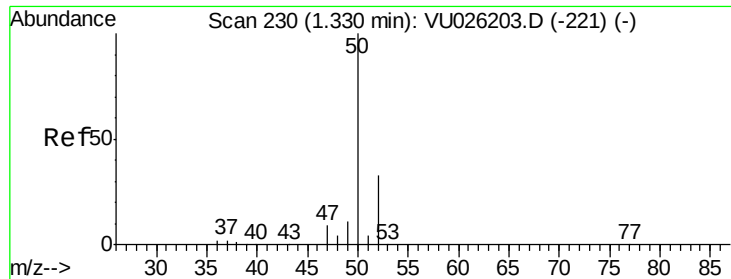
Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		138356		
87	32.5	16.2	48.5		





#3
Chloromethane
Concen: 9.30 ug/l
RT: 1.33 min Scan# 230
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

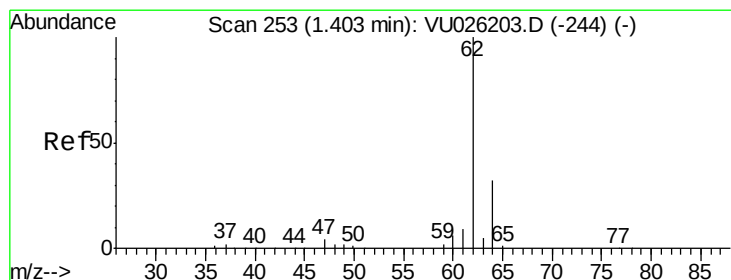
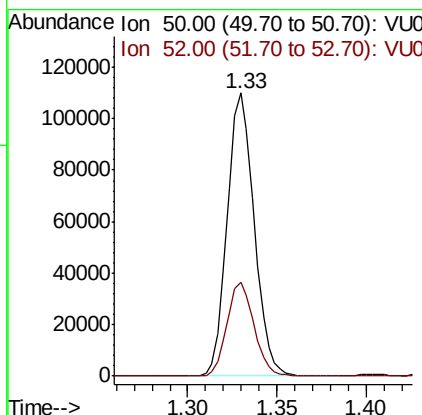
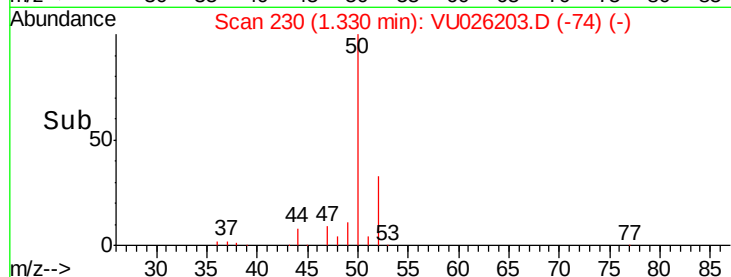
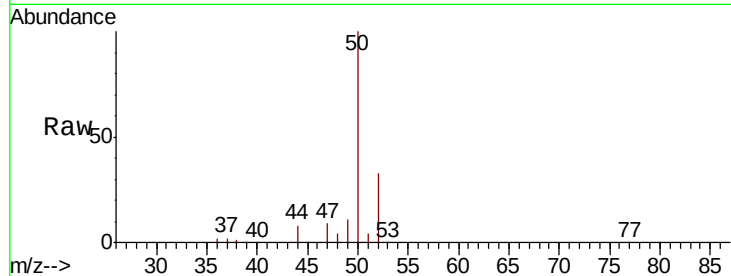
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	50.00	Resp	115806
Ion Ratio	100	Lower	Upper
50	100		
52	33.3	26.0	39.0

Manual Integrations
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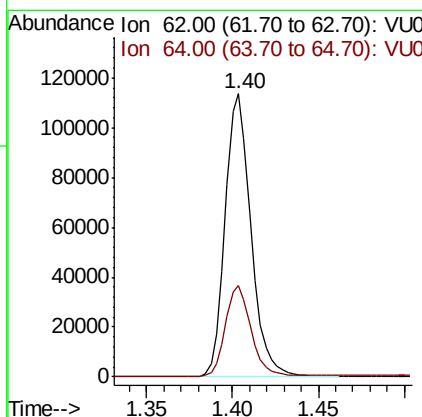
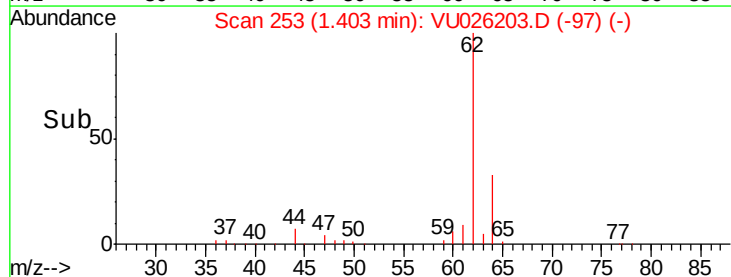
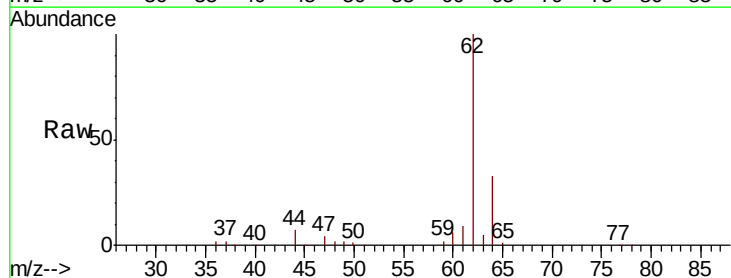
MMDadoda

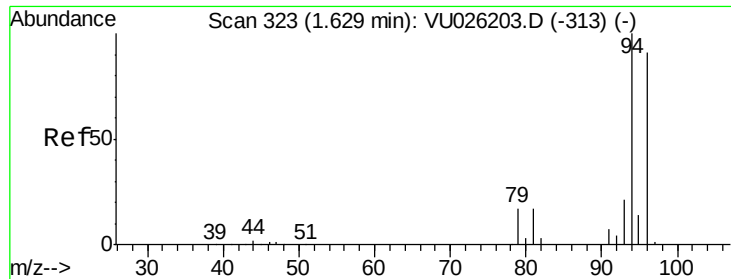
8/21/2018 11:34:26 AM



#4
Vinyl Chloride
Concen: 10.29 ug/l
RT: 1.40 min Scan# 253
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	62.00	Resp	118566
Ion Ratio	100	Lower	Upper
62	100		
64	32.4	25.8	38.8





#5

Bromomethane

Concen: 11.81 ug/l

RT: 1.63 min Scan# 323

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 94 Resp: 66308

Ion Ratio Lower Upper

94 100

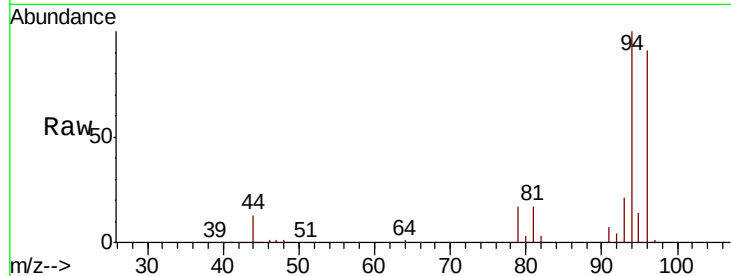
96 91.4 75.1 112.7

Manual Integrations

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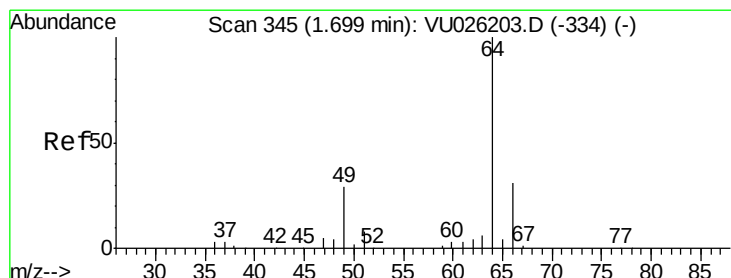
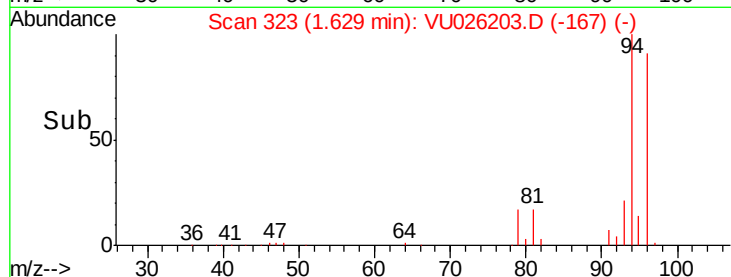
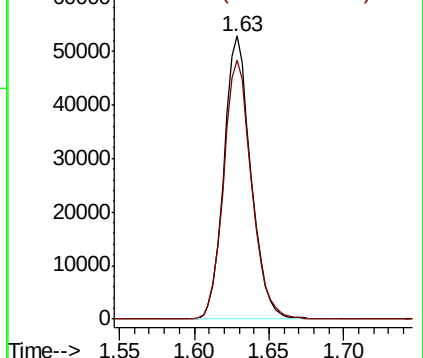
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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0



#6

Chloroethane

Concen: 9.98 ug/l

RT: 1.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VU026203.D

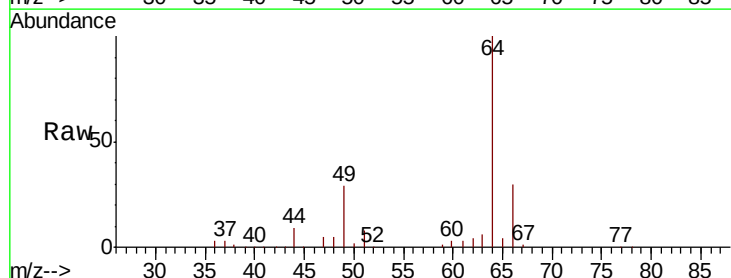
Acq: 20 Aug 2018 12:48

Tgt Ion: 64 Resp: 69025

Ion Ratio Lower Upper

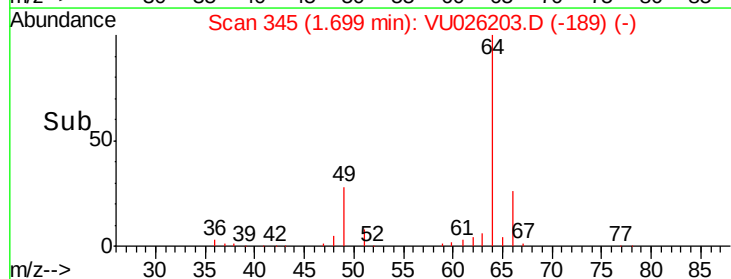
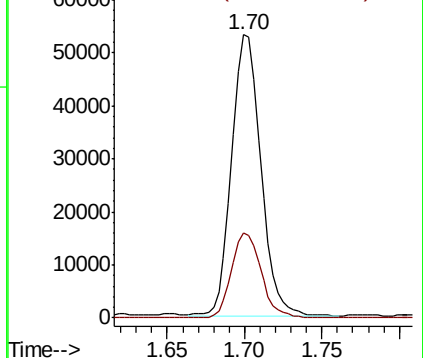
64 100

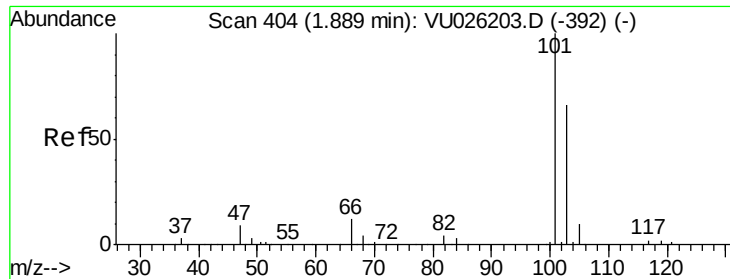
66 30.4 24.9 37.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#7

Trichlorofluoromethane
Concen: 10.28 ug/l
RT: 1.89 min Scan# 404
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

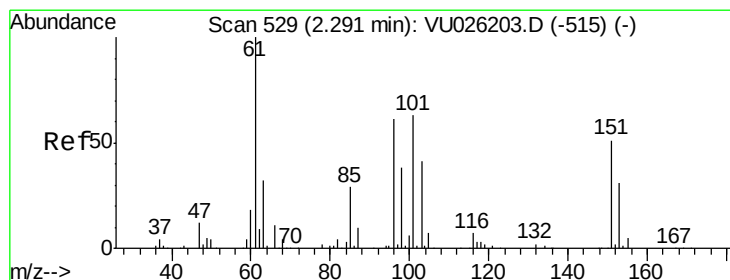
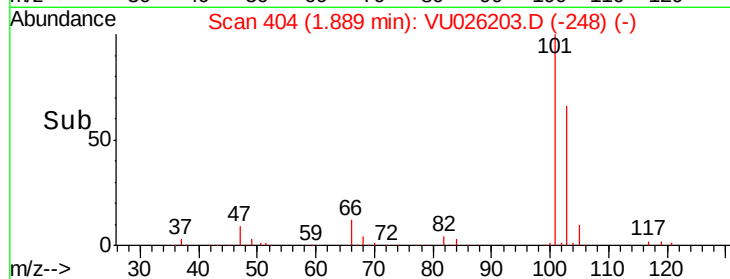
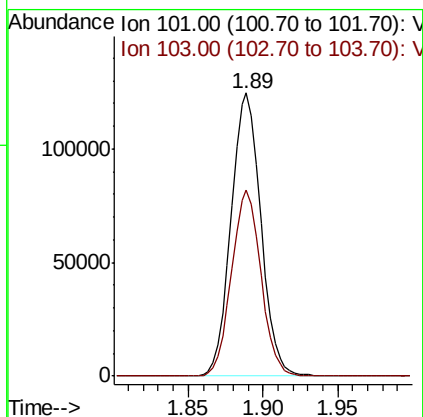
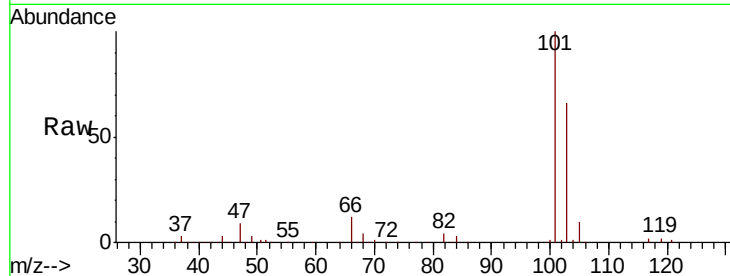
Instrument :
MSVOA_U
ClientSampled :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.7	51.4	77.0

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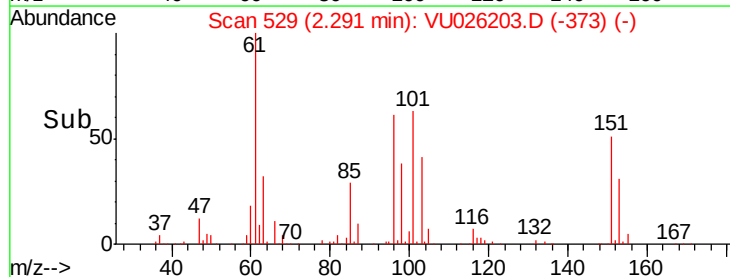
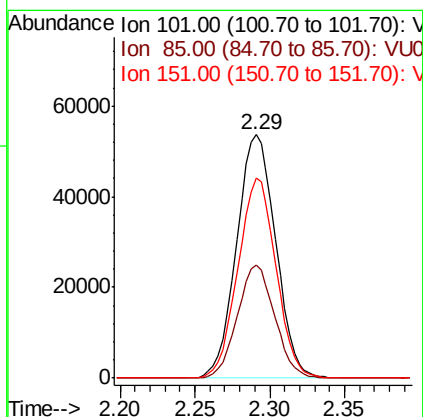
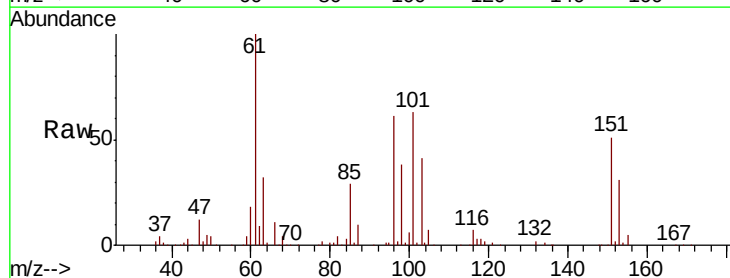
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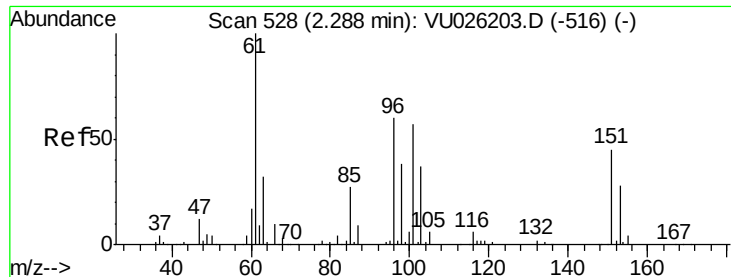


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 10.55 ug/l
RT: 2.29 min Scan# 529
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.2	52.8
151	80.4	63.5	95.3





#9

1,1-Dichloroethene

Concen: 10.01 ug/l

RT: 2.29 min Scan# 528

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

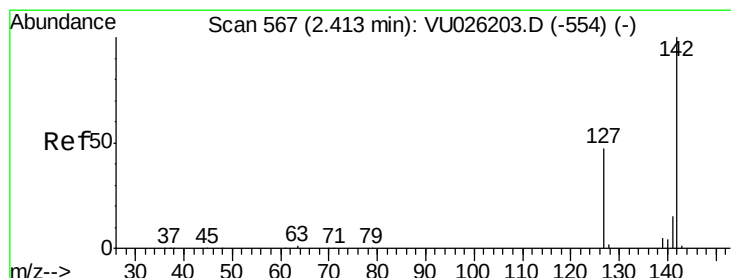
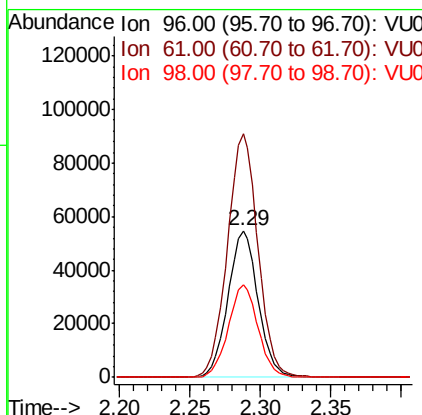
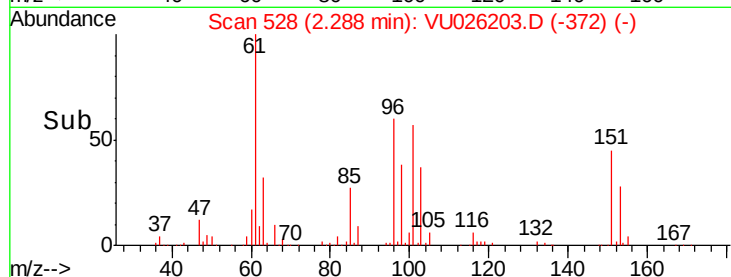
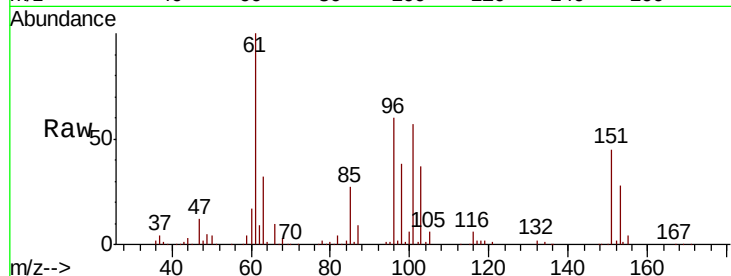
VSTDICCC010

Tot Ion:	96	Resp:	81539
Ion	Ratio	Lower	Upper
96	100		
61	165.9	0.0	526.5
98	63.2	0.0	123.4

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#10

Iodomethane

Concen: 16.27 ug/l

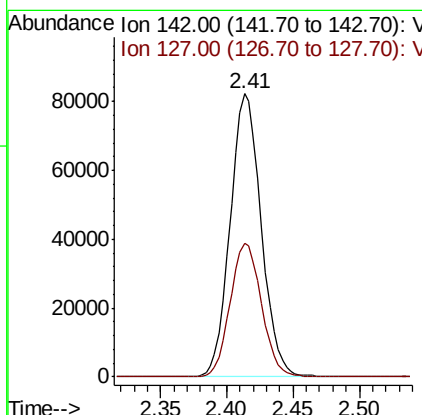
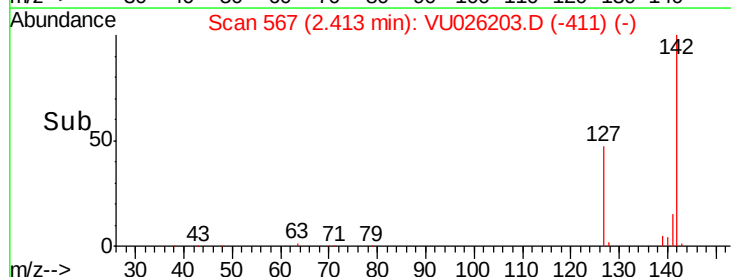
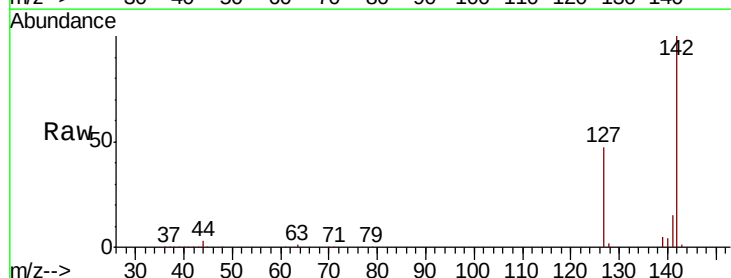
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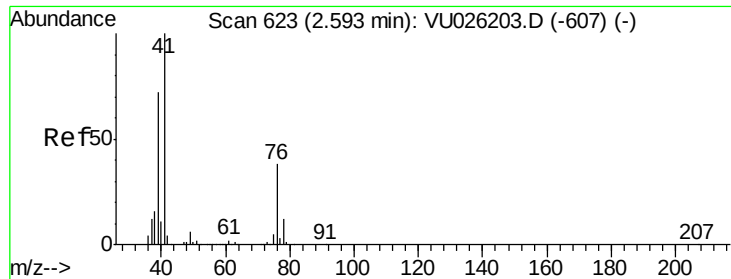
Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Tgt Ion:	142	Resp:	133561
Ion	Ratio	Lower	Upper
142	100		
127	47.7	34.5	51.7





#11
Allvl Chloride
Concen: 10.30 ug/l
RT: 2.59 min Scan# 623
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

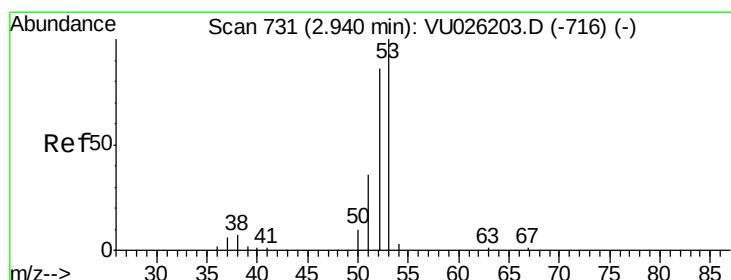
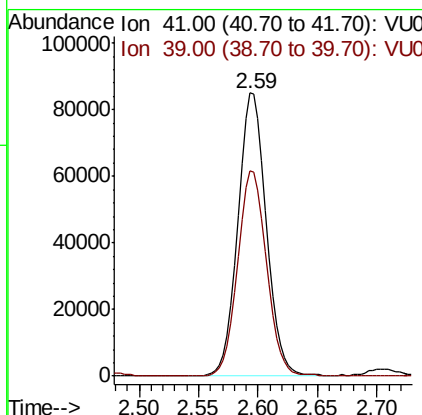
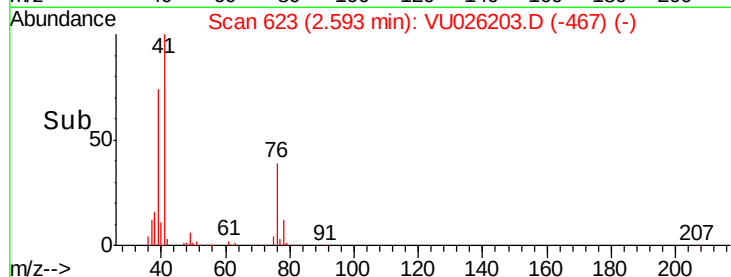
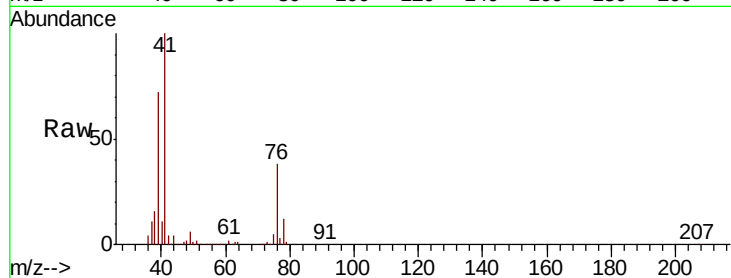
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	73.4	51.4	77.2

Manual Integrations
APPROVED

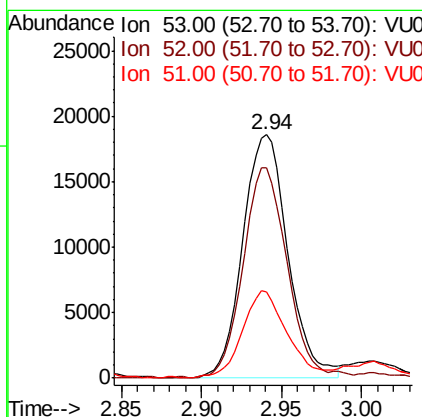
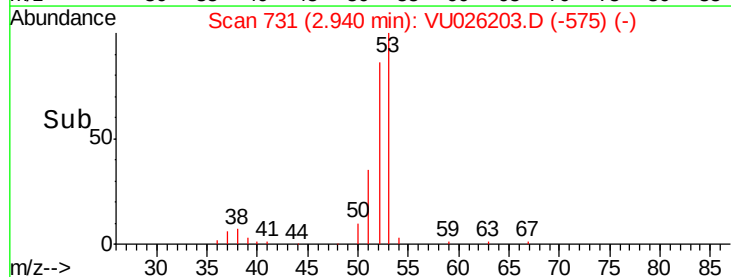
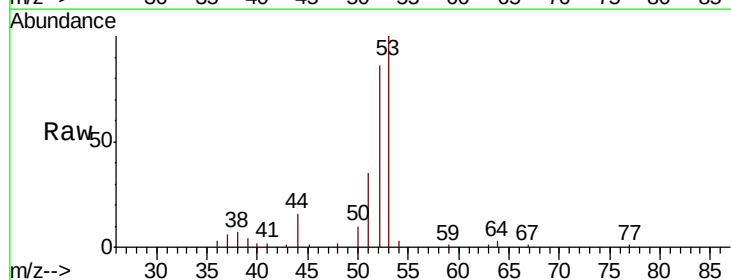
MMDadoda

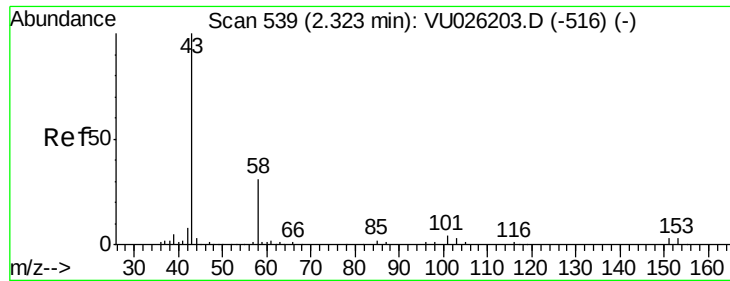
8/21/2018 11:34:26 AM



#12
Acrylonitrile
Concen: 20.02 ug/l
RT: 2.94 min Scan# 731
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
53	100		
52	84.3	65.1	97.7
51	35.7	30.2	45.4





#13
Acetone
Concen: 49.33 ug/l
RT: 2.32 min Scan# 539
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

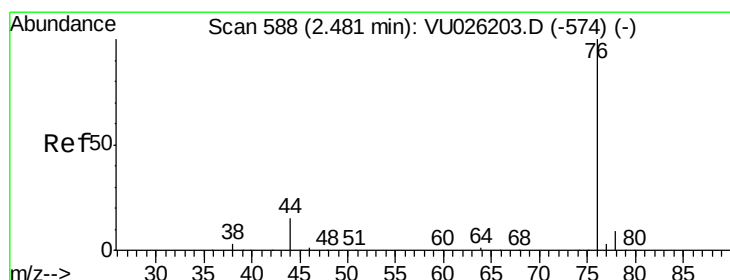
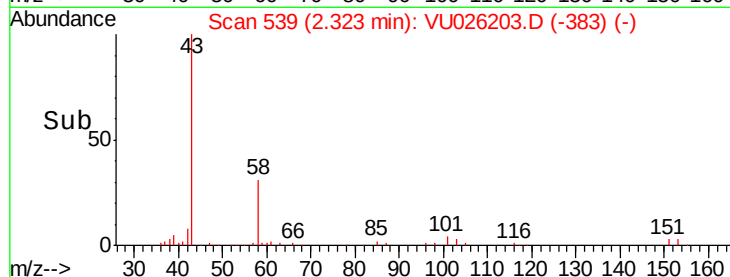
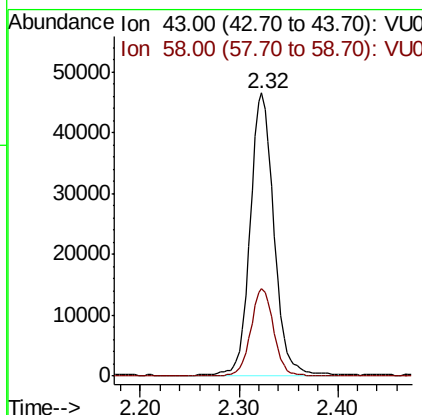
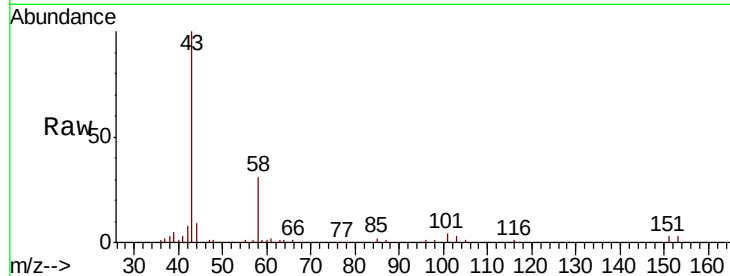
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.9	26.0	39.0

Manual Integrations
APPROVED

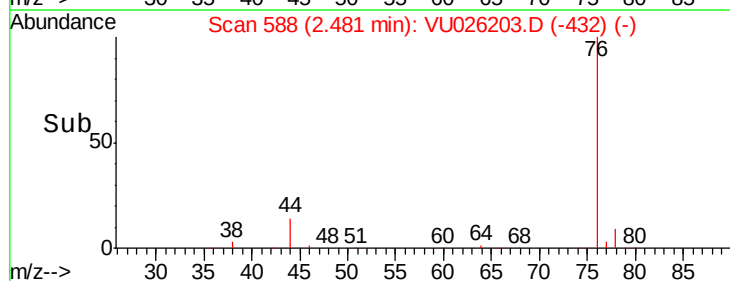
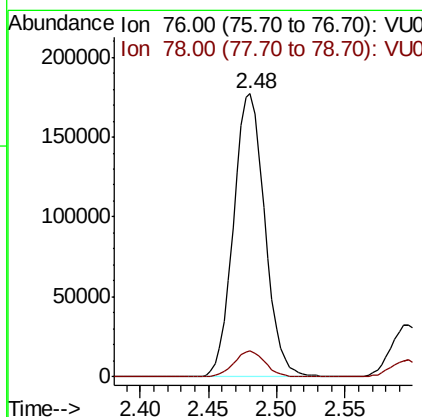
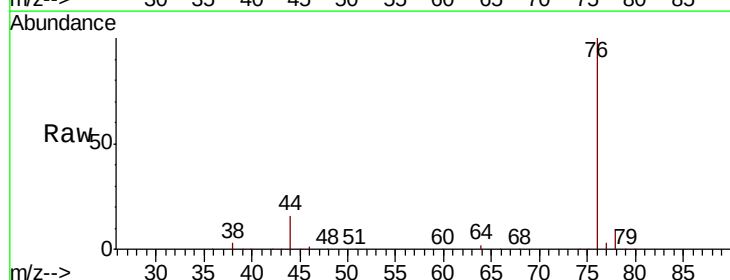
MMDadoda

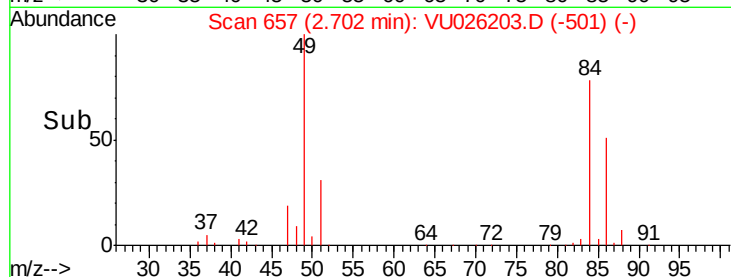
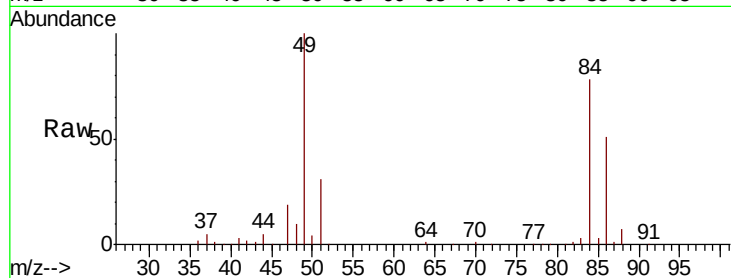
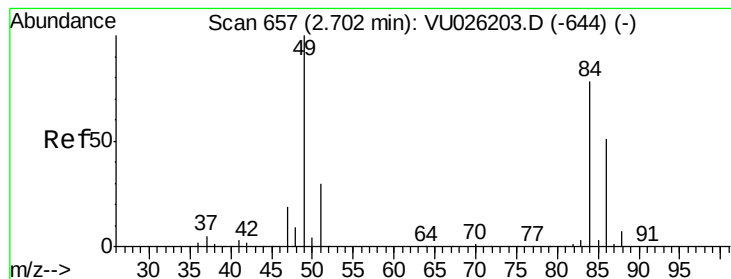
8/21/2018 11:34:26 AM



#14
Carbon Disulfide
Concen: 10.16 ug/l
RT: 2.48 min Scan# 588
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9





#15

Methylene Chloride

Concen: 9.36 ug/l

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

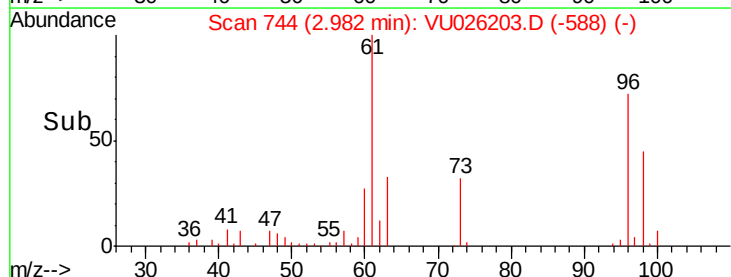
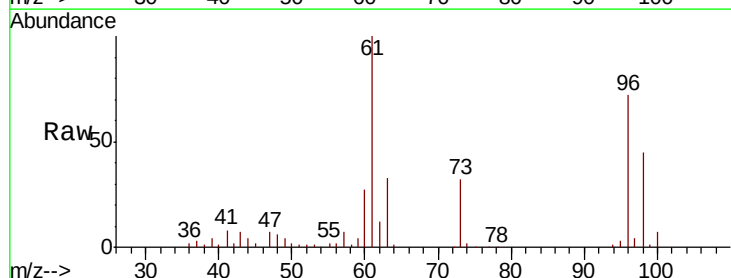
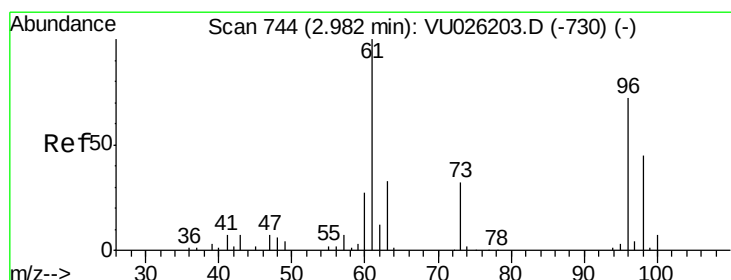
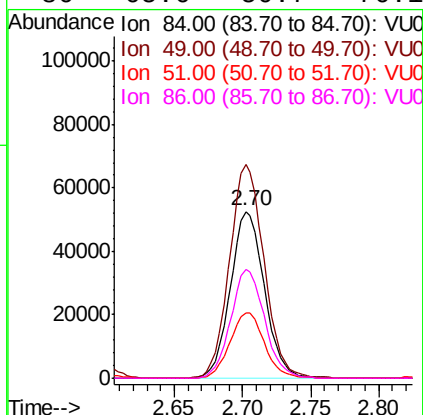
Tot Ion:	84	Resp:	90899
Ion	Ratio	Lower	Upper
84	100		
49	128.2	108.7	163.1
51	39.3	0.0	82.4
86	65.6	50.7	76.1

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

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#16

trans-1,2-Dichloroethene

Concen: 10.03 ug/l

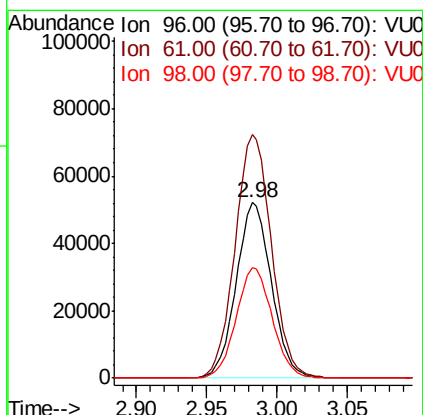
RT: 2.98 min Scan# 744

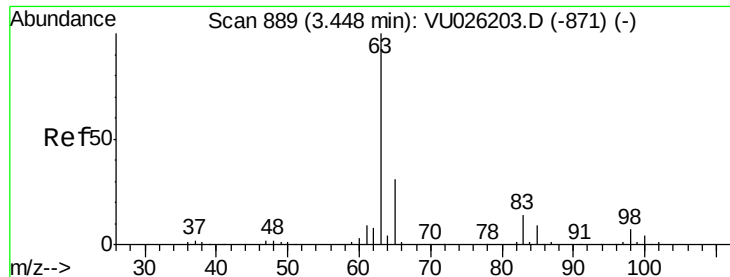
Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Tgt Ion:	96	Resp:	91546
Ion	Ratio	Lower	Upper
96	100		
61	138.7	123.9	185.9
98	63.0	50.6	76.0





#17
 1,1-Dichloroethane
 Concen: 9.51 ug/l
 RT: 3.45 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

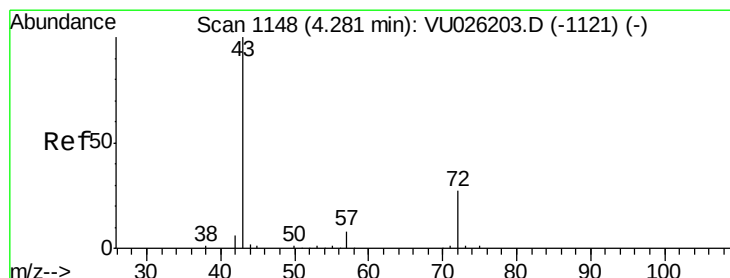
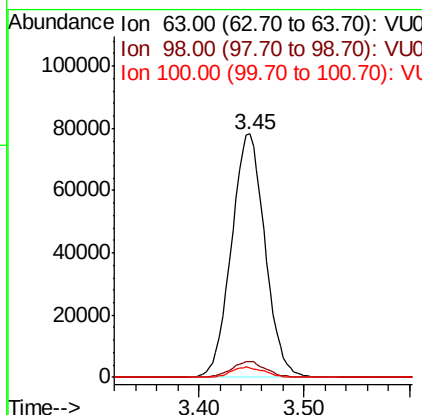
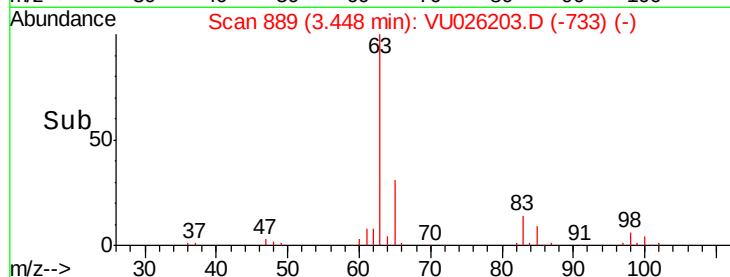
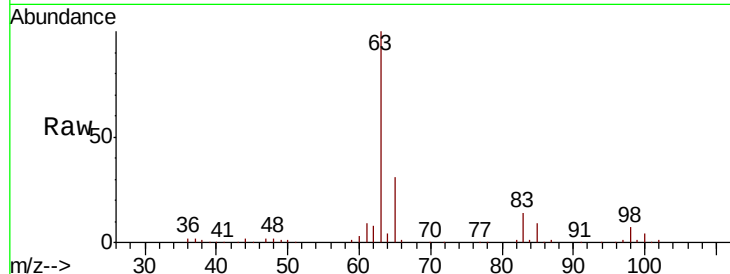
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	63	Resp:	172298
Ion Ratio	Lower	Upper	
63	100		
98	6.7	2.9	8.8
100	3.9	2.0	5.8

Manual Integrations
 APPROVED

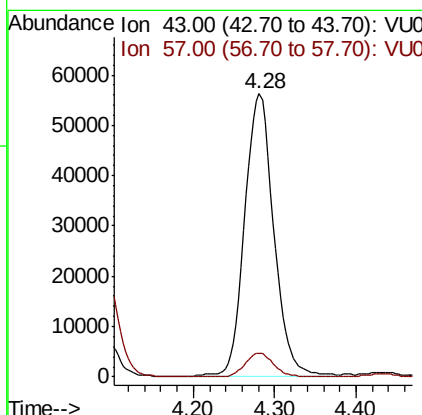
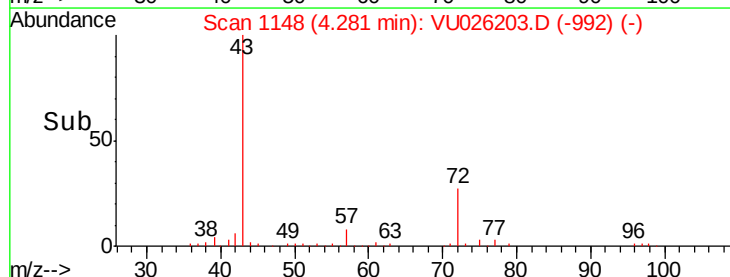
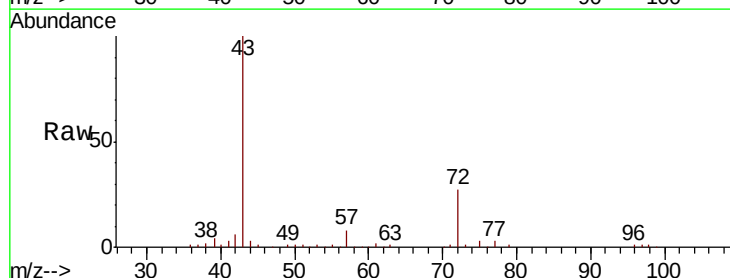
MMDadoda

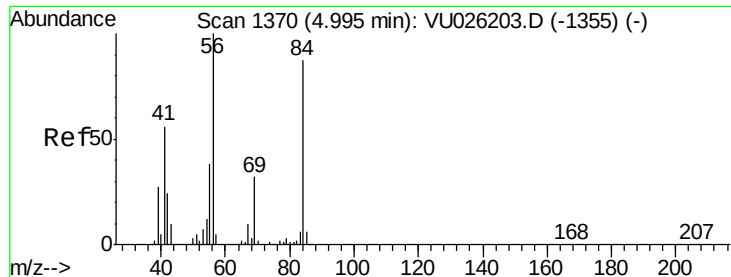
8/21/2018 11:34:26 AM



#18
 2-Butanone
 Concen: 50.81 ug/l
 RT: 4.28 min Scan# 1148
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion:	43	Resp:	137643
Ion Ratio	Lower	Upper	
43	100		
57	8.3	0.0	15.8





#19
Cyclohexane
Concen: 10.17 ug/l
RT: 4.99 min Scan# 1370
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

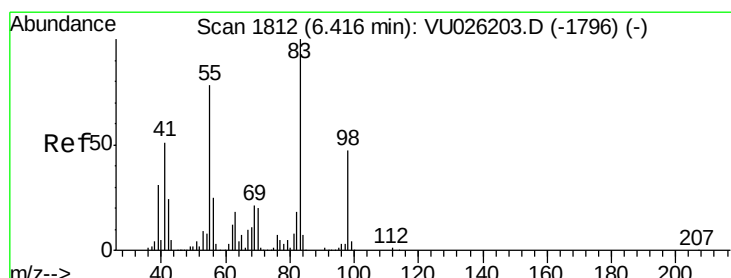
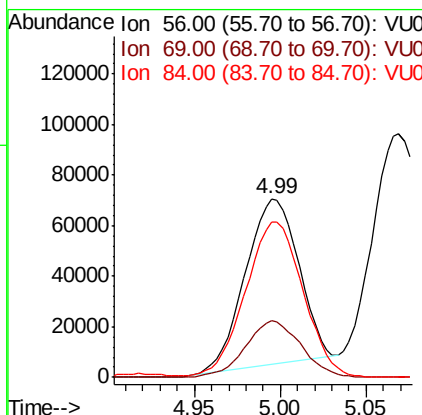
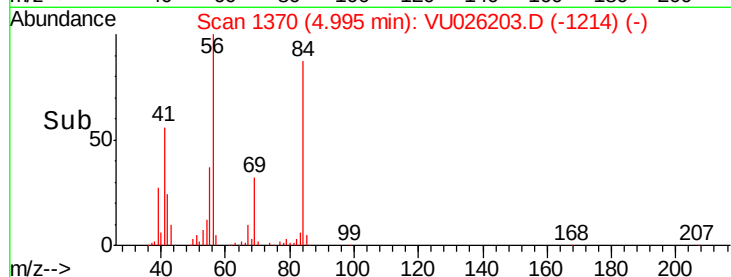
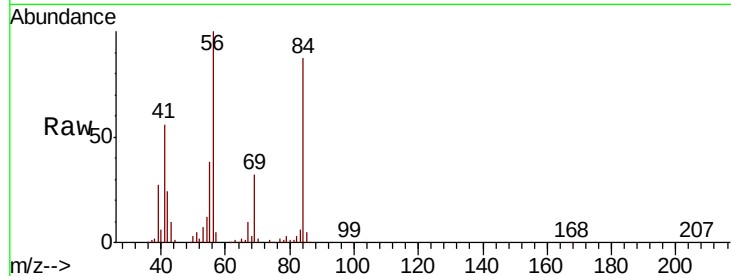
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.5	26.0	39.0
84	99.8	68.3	102.5

Manual Integrations
APPROVED

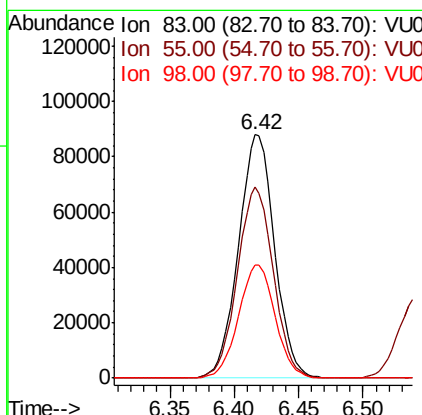
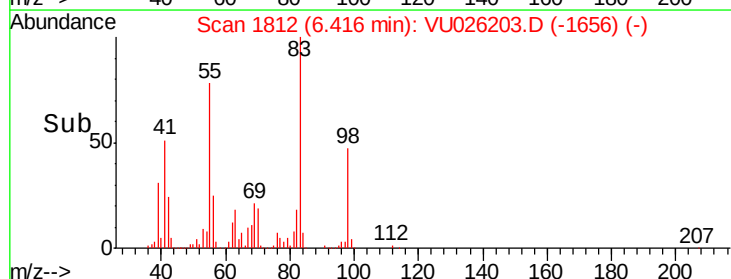
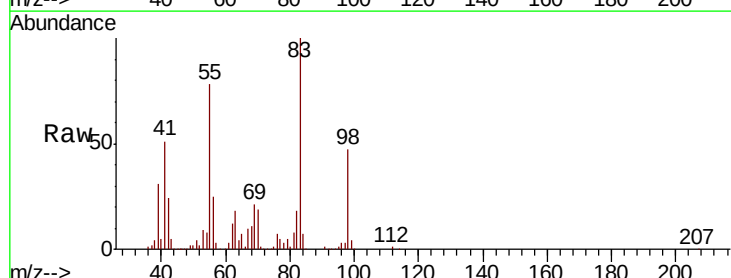
MMDadoda

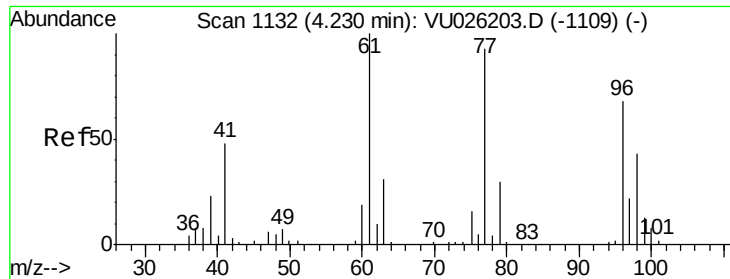
8/21/2018 11:34:26 AM



#20
Methylcyclohexane
Concen: 10.01 ug/l
RT: 6.42 min Scan# 1812
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
83	100		
55	77.9	66.4	99.6
98	47.1	35.4	53.2





#21
 2,2-Dichloropropane
 Concen: 10.45 ug/l
 RT: 4.23 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

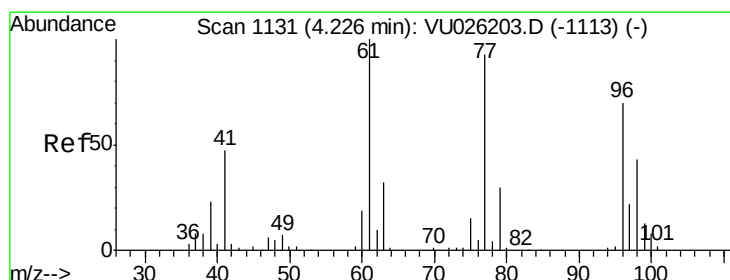
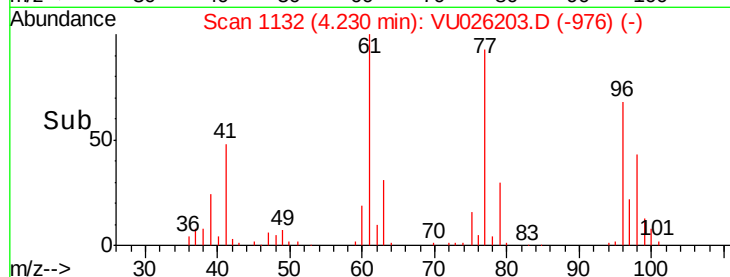
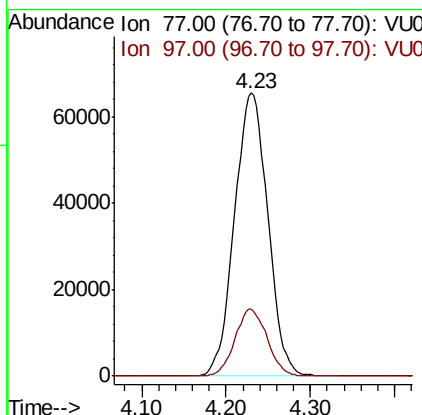
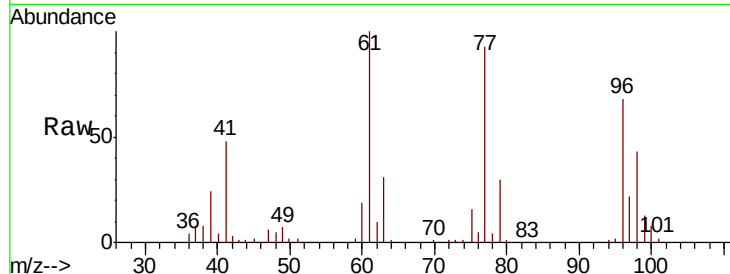
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion: 77 Resp: 180463
 Ion Ratio Lower Upper
 77 100
 97 22.7 17.9 26.9

Manual Integrations
 APPROVED

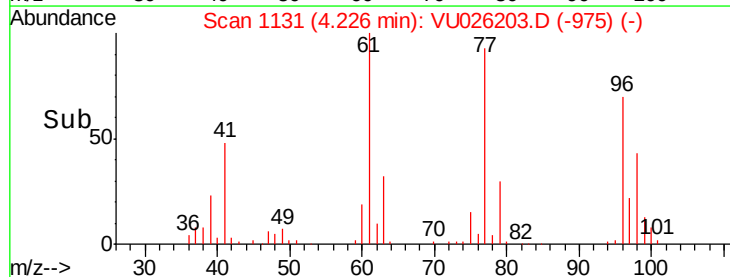
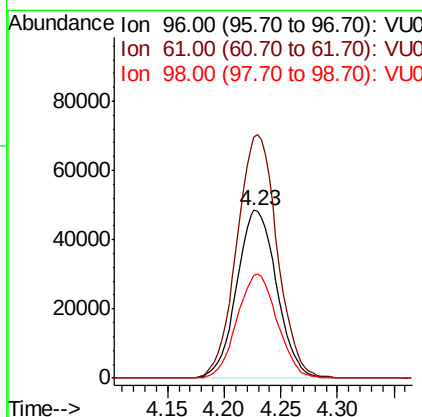
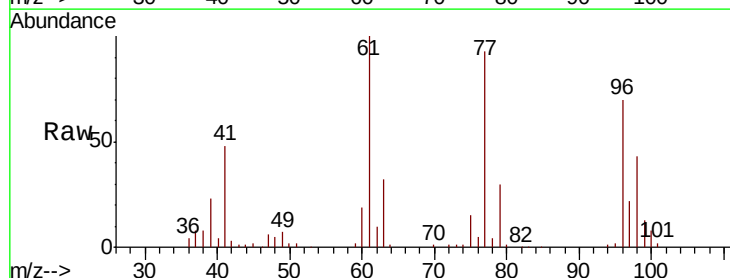
MMDadoda

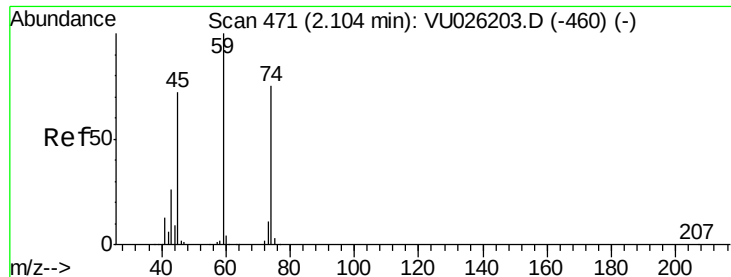
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#22
 cis-1,2-Dichloroethene
 Concen: 10.34 ug/l
 RT: 4.23 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion: 96 Resp: 118808
 Ion Ratio Lower Upper
 96 100
 61 147.0 0.0 400.5
 98 62.4 32.2 96.6





#23

Diethyl Ether

Concen: 10.19 ug/l

RT: 2.10 min Scan# 471

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

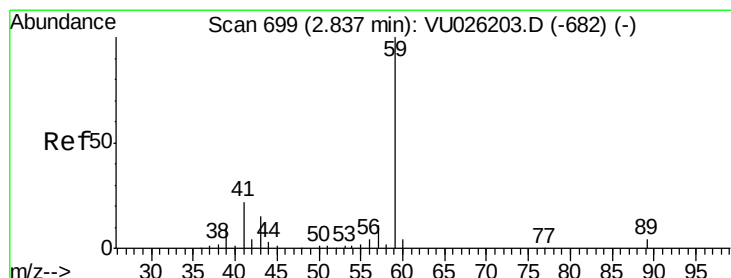
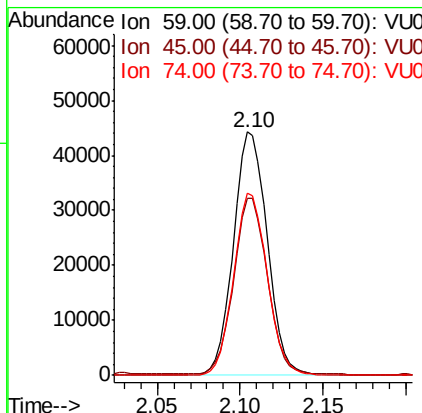
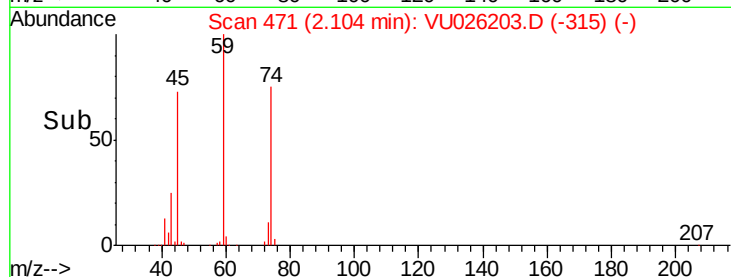
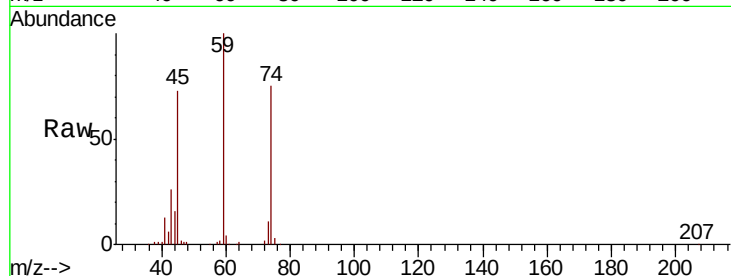
VSTDICCC010

Tot Ion:	59	Resp:	62851
Ion	Ratio	Lower	Upper
59	100		
45	71.6	60.0	90.0
74	74.2	56.5	84.7

Manual Integrations
APPROVED

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#24

tert-Butyl Alcohol

Concen: 83.77 ug/l

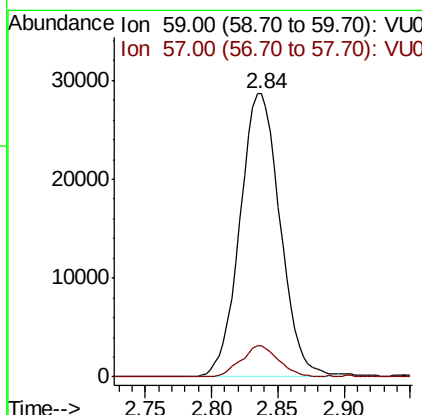
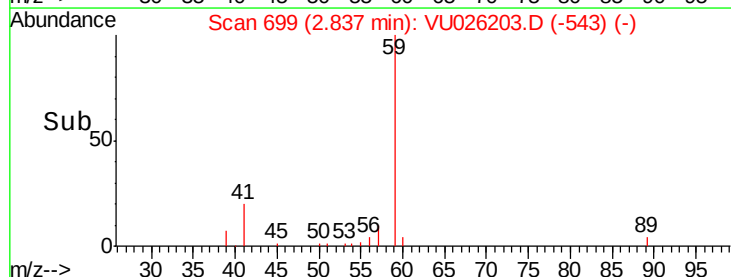
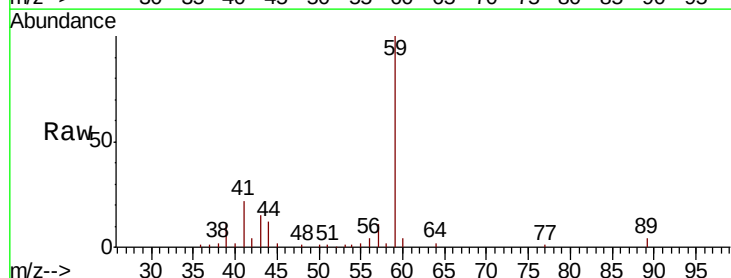
RT: 2.84 min Scan# 699

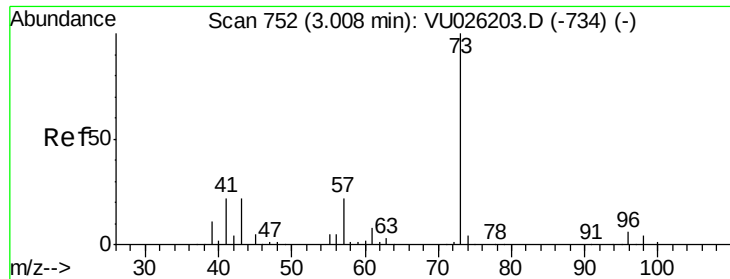
Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Tgt Ion:	59	Resp:	60689
Ion	Ratio	Lower	Upper
59	100		
57	10.2	3.4	5.2#





#25

Methyl tert-Butyl Ether

Concen: 9.76 ug/l

RT: 3.01 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Tot Ion: 73 Resp: 215039

Ion Ratio Lower Upper

73 100

43 21.4 16.2 24.2

Instrument :

MSVOA_U

ClientSampled :

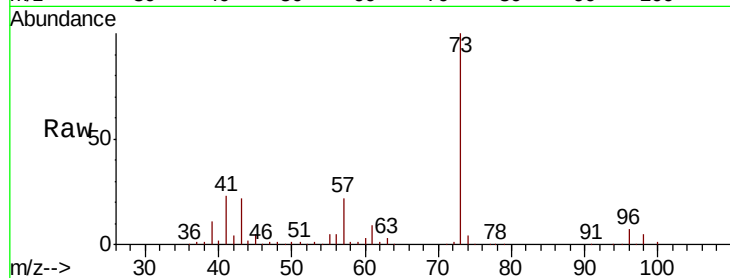
VSTDICCC010

Manual Integrations

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Abundance Ion 73.00 (72.70 to 73.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

3.01

100000

80000

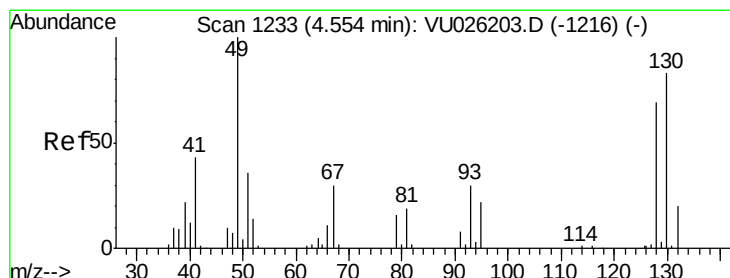
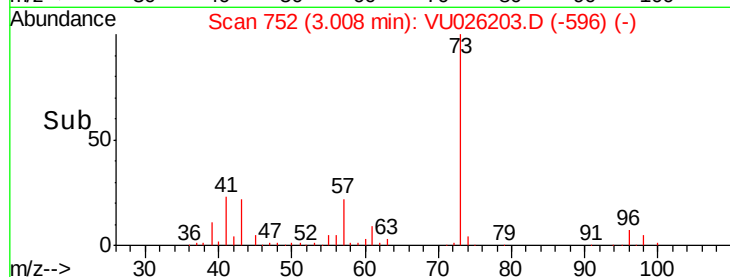
60000

40000

20000

0

Time-->



#26

Bromochloromethane

Concen: 10.62 ug/l

RT: 4.55 min Scan# 1233

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

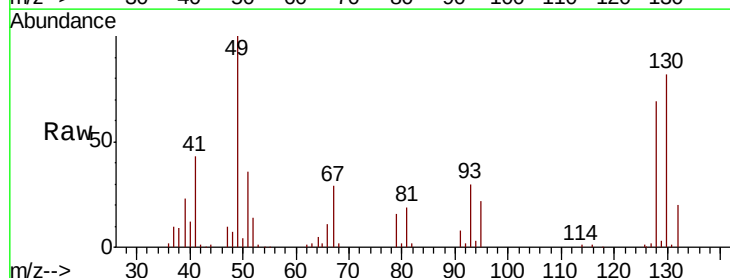
Tgt Ion:128 Resp: 53744

Ion Ratio Lower Upper

128 100

49 150.7 0.0 375.2

130 126.3 105.8 158.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VU0

Ion 130.00 (129.70 to 130.70): V

50000

40000

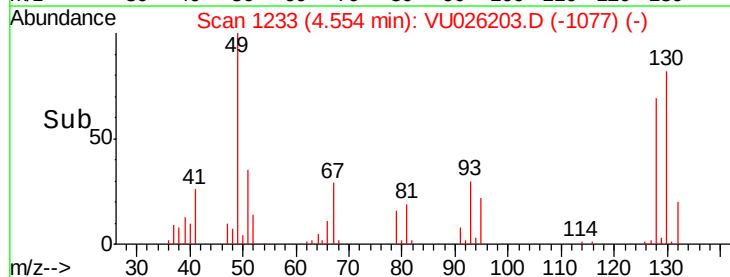
30000

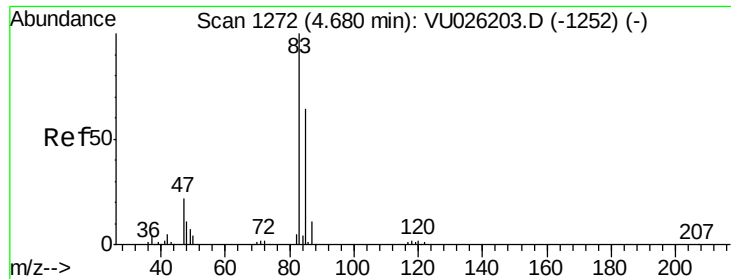
20000

10000

0

Time-->





#27

Chloroform

Concen: 10.13 ug/l

RT: 4.68 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 201560

Ion Ratio Lower Upper

83 100

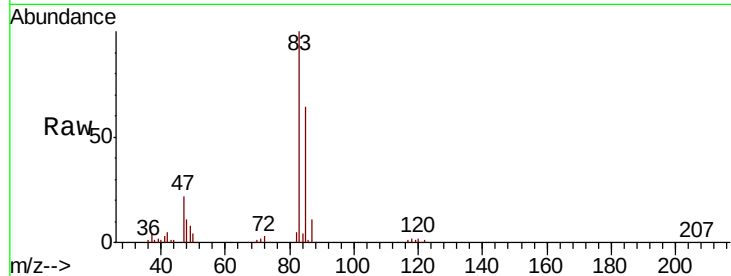
85 64.2 0.0 128.4

Manual Integrations

APPROVED

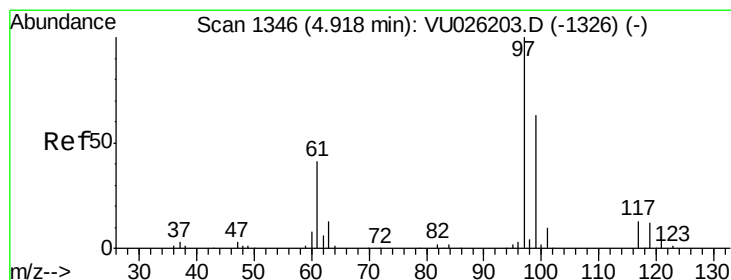
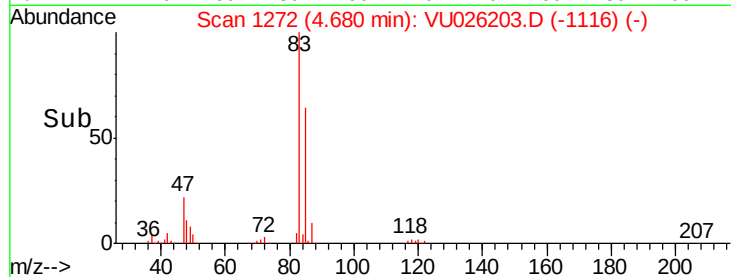
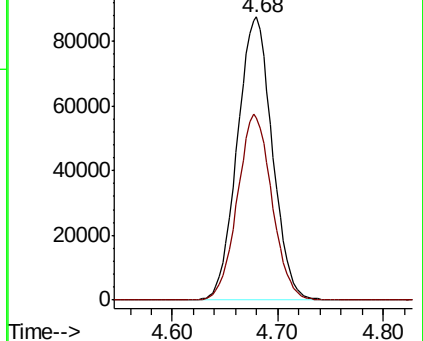
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#28

1,1,1-Trichloroethane

Concen: 10.20 ug/l

RT: 4.92 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

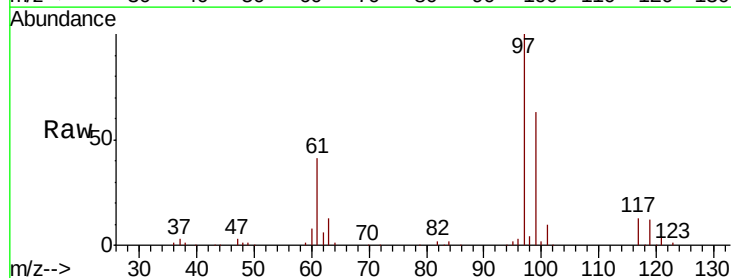
Tgt Ion: 97 Resp: 183091

Ion Ratio Lower Upper

97 100

99 63.9 32.3 96.9

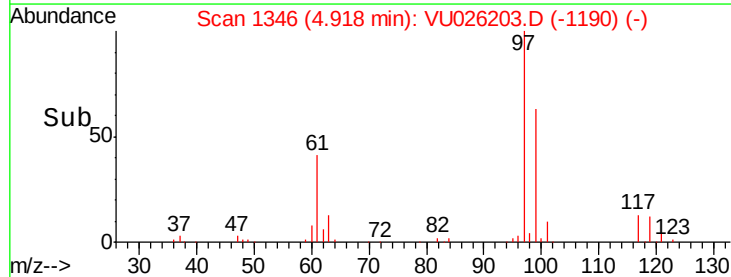
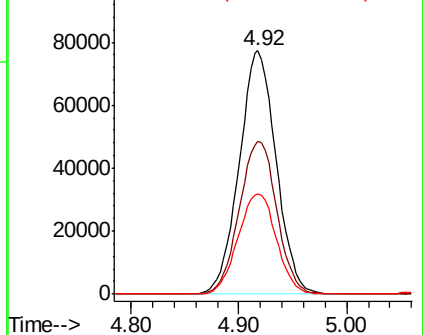
61 43.0 23.2 69.5

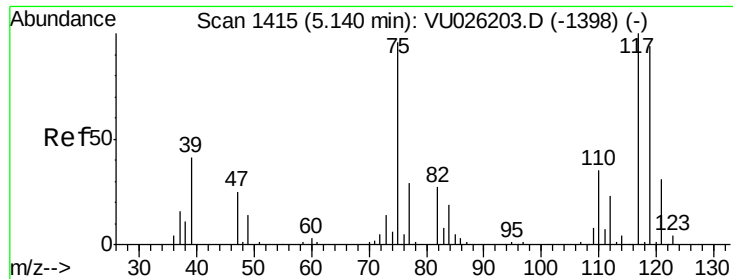


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.00 (60.70 to 61.70): VU0





#29
 1,1-Dichloropropene
 Concen: 10.43 ug/l
 RT: 5.14 min Scan# 1415
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

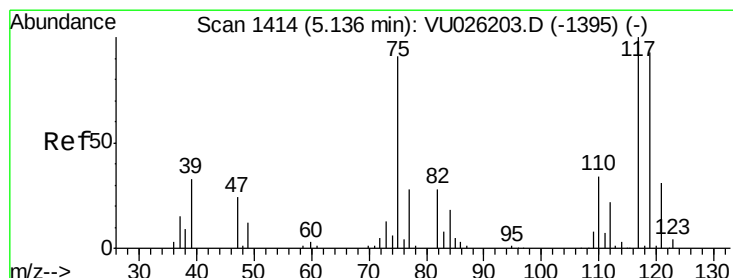
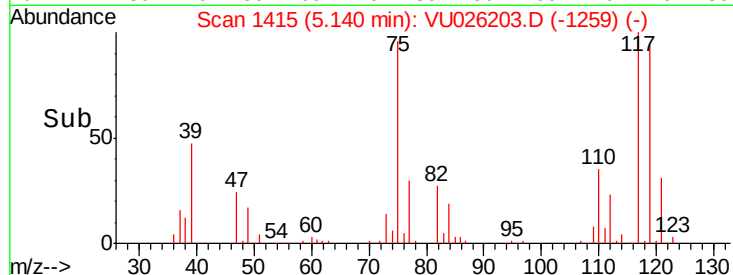
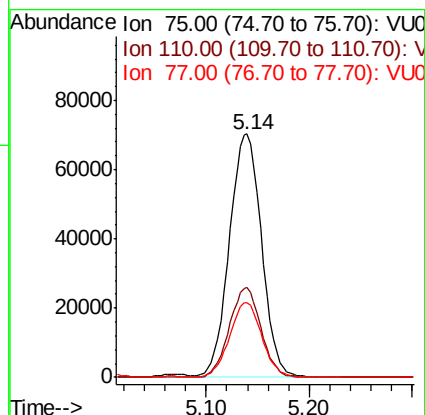
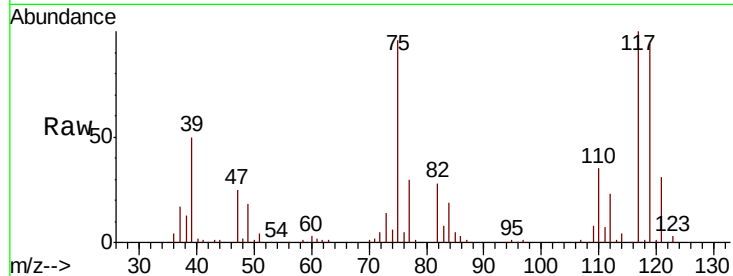
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.0	16.9	50.7
77	30.7	24.8	37.2

Manual Integrations
 APPROVED

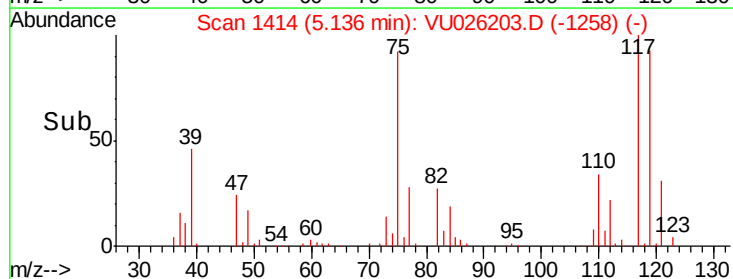
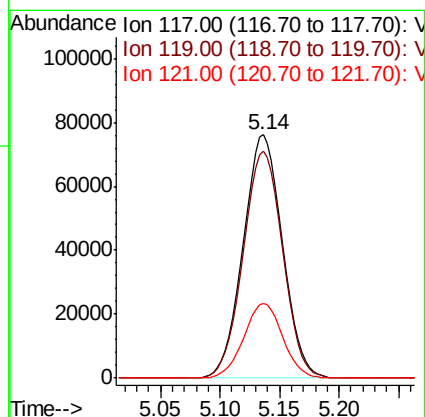
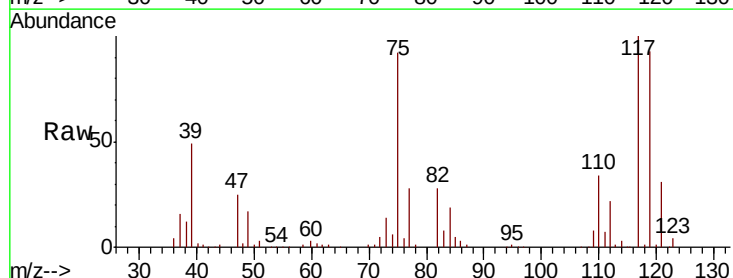
MMDadoda

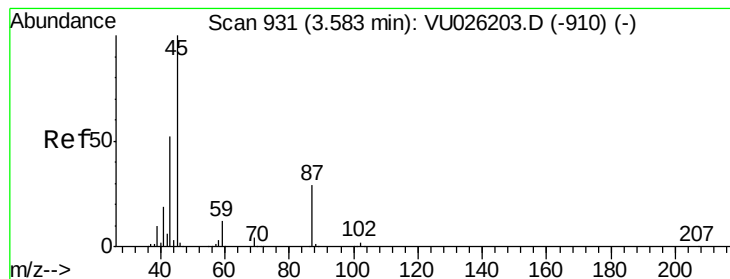
8/21/2018 11:34:26 AM



#30
 Carbon Tetrachloride
 Concen: 10.67 ug/l
 RT: 5.14 min Scan# 1414
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.2	77.3	115.9
121	30.7	24.5	36.7





#31

Isopropyl Ether

Concen: 10.10 ug/l

RT: 3.58 min Scan# 931

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 293029

Ion Ratio Lower Upper

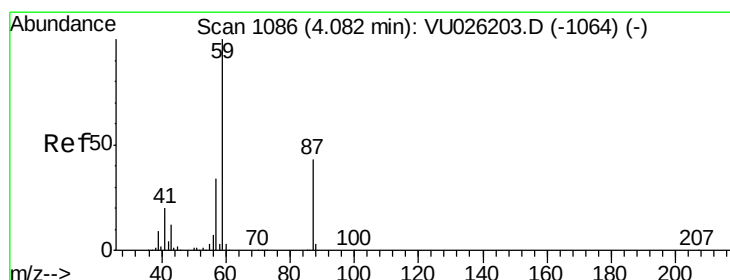
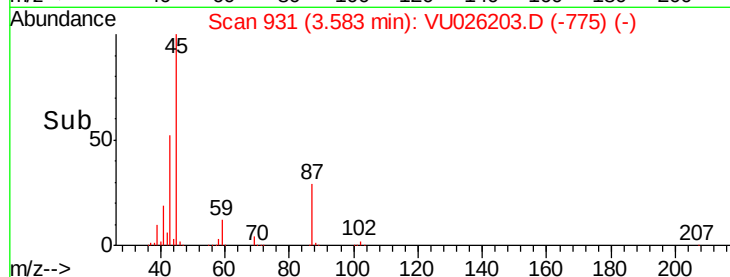
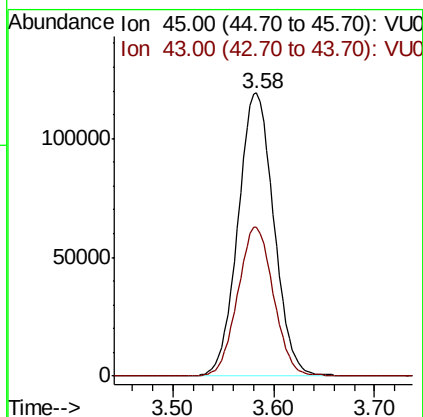
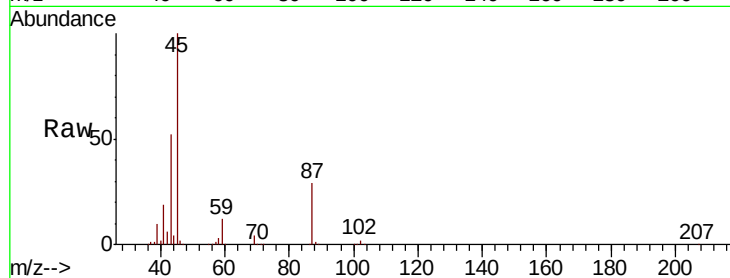
45 100

43 52.9 24.0 72.0

Manual Integrations
APPROVED

MMDadoda

8/21/2018 11:34:26 AM



#32

Ethyl-t-butyl ether

Concen: 9.60 ug/l

RT: 4.08 min Scan# 1086

Delta R.T. 0.00 min

Lab File: VU026203.D

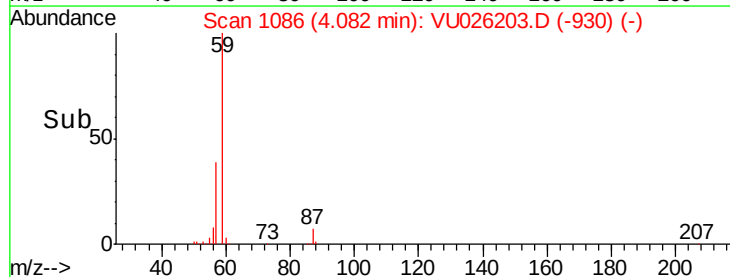
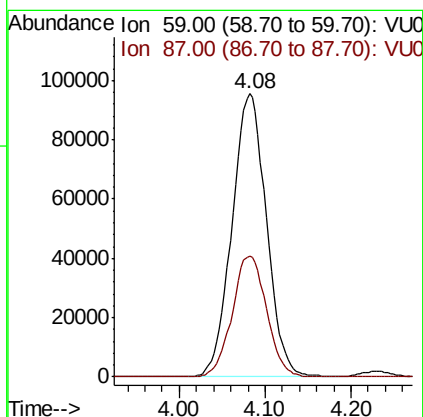
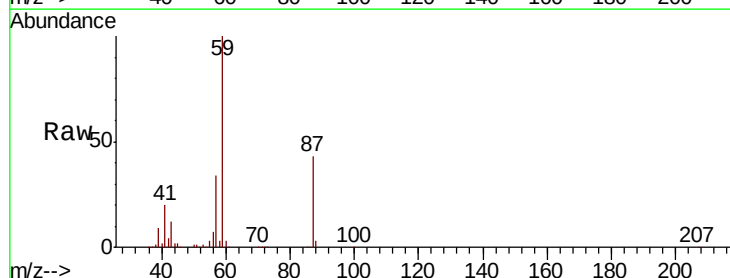
Acq: 20 Aug 2018 12:48

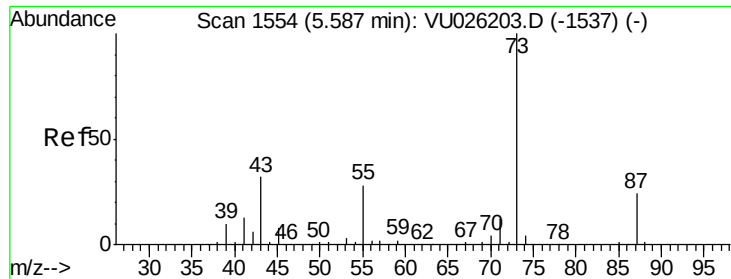
Tgt Ion: 59 Resp: 264557

Ion Ratio Lower Upper

59 100

87 42.4 31.0 46.6





#33
Tert-Butyl methyl ether
Concen: 9.86 ug/l
RT: 5.59 min Scan# 1554
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

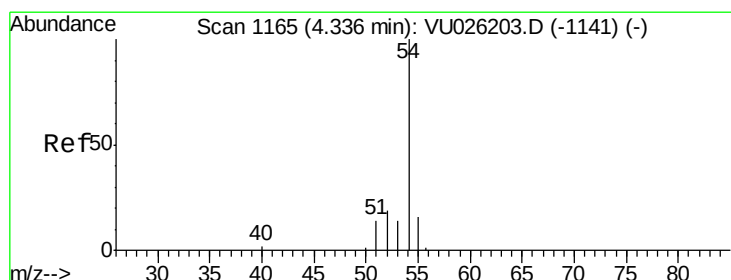
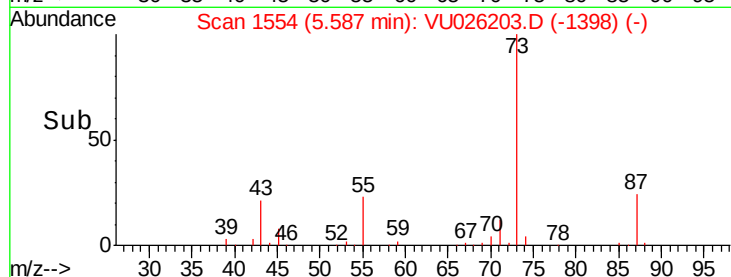
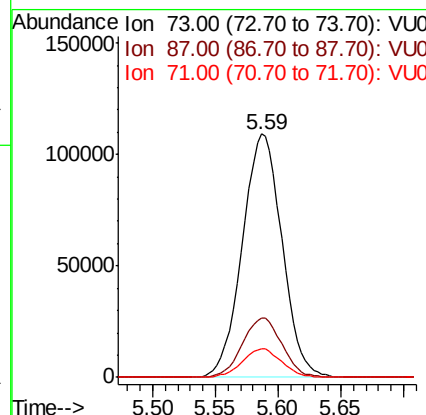
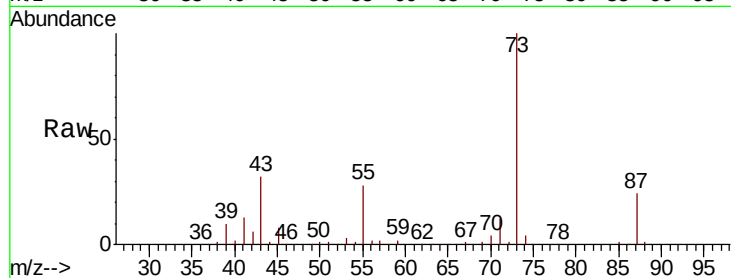
Instrument :
MSVOA_U
ClientSampleID :
VSTDICCC010

Tot Ion:	73	Resp:	239898
Ion	Ratio	Lower	Upper
73	100		
87	24.4	18.6	28.0
71	11.6	9.3	13.9

Manual Integrations
APPROVED

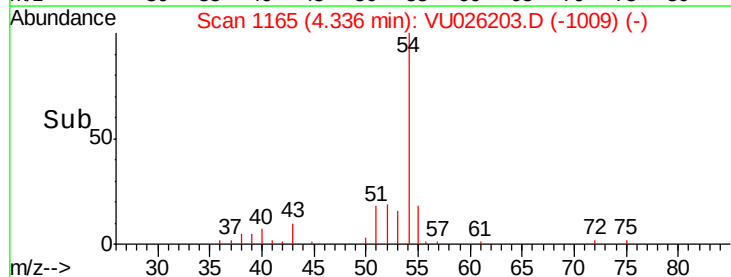
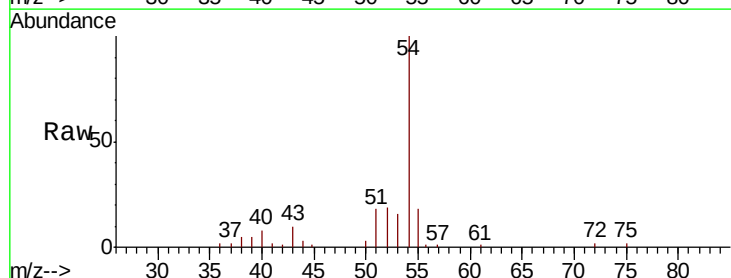
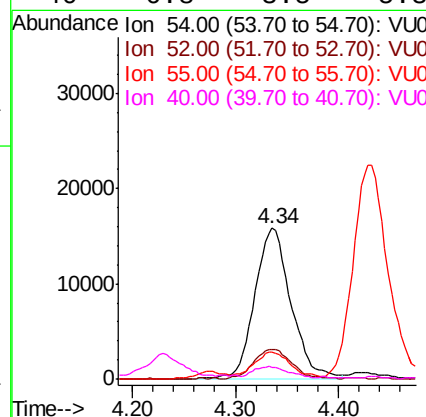
MMDadoda

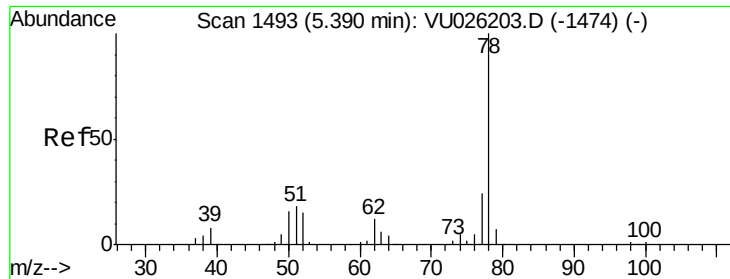
8/21/2018 11:34:26 AM



#34
Propionitrile
Concen: 51.37 ug/l
RT: 4.34 min Scan# 1165
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion:	54	Resp:	38668
Ion	Ratio	Lower	Upper
54	100		
52	20.6	13.7	20.5#
55	16.8	10.2	15.2#
40	6.8	3.5	5.3#





#35

Benzene

Concen: 10.26 ug/l

RT: 5.39 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 78 Resp: 422341

Ion Ratio Lower Upper

78 100

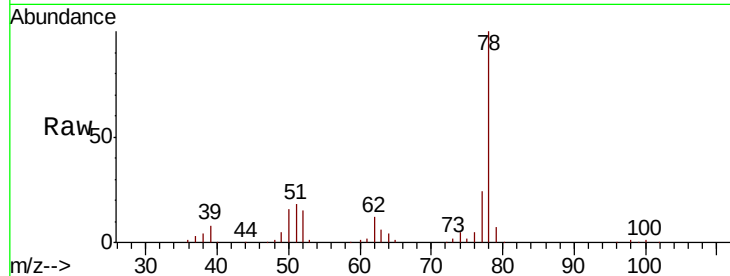
77 23.9 19.1 28.7

Manual Integrations

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Abundance Ion 78.10 (77.80 to 78.80): VU0

Ion 77.00 (76.70 to 77.70): VU0

5.39

200000

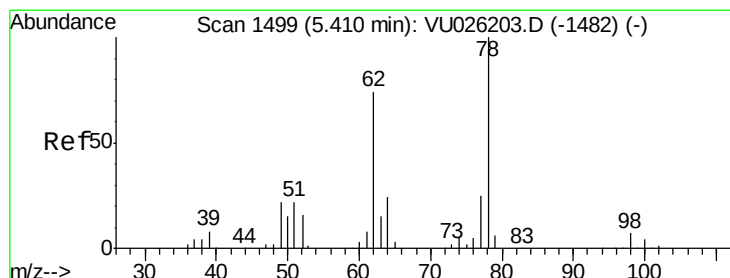
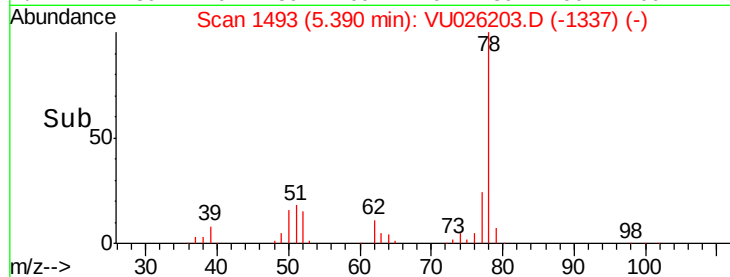
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 10.15 ug/l

RT: 5.41 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VU026203.D

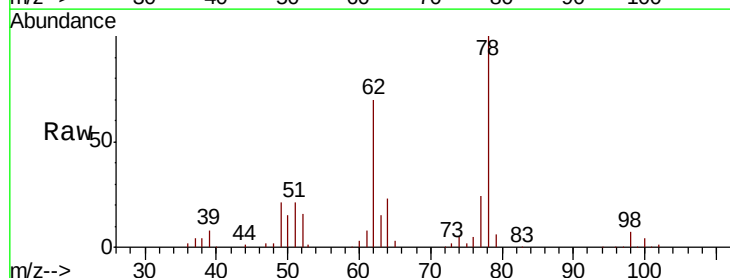
Acq: 20 Aug 2018 12:48

Tgt Ion: 62 Resp: 128216

Ion Ratio Lower Upper

62 100

98 8.9 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 98.00 (97.70 to 98.70): VU0

5.41

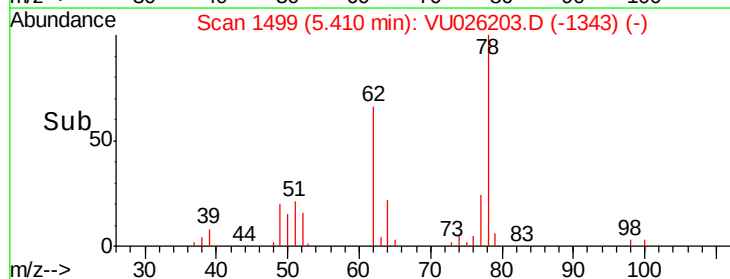
60000

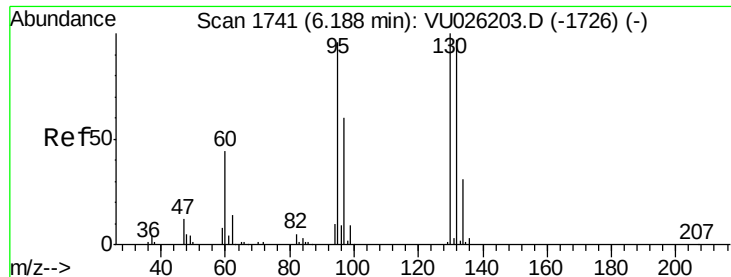
40000

20000

0

Time-->





#37
 Trichloroethene
 Concen: 9.58 ug/l
 RT: 6.19 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

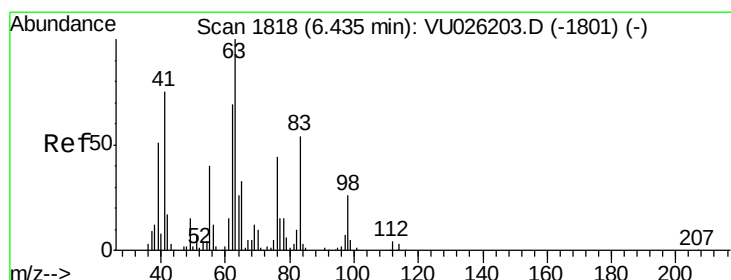
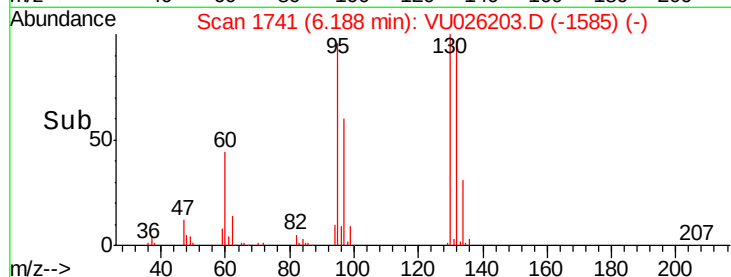
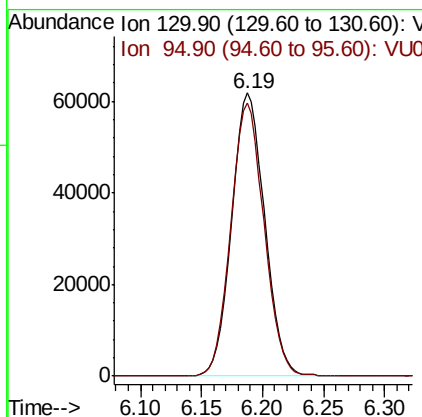
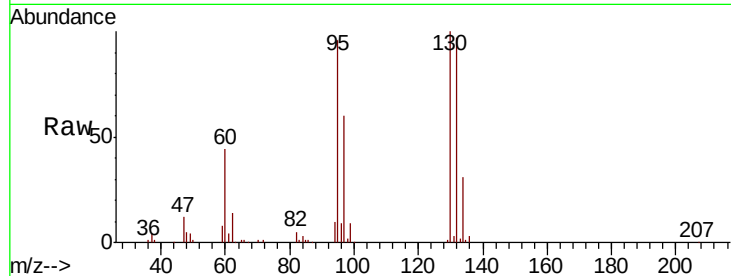
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
130	100		
95	96.5	77.9	116.9

Manual Integrations
 APPROVED

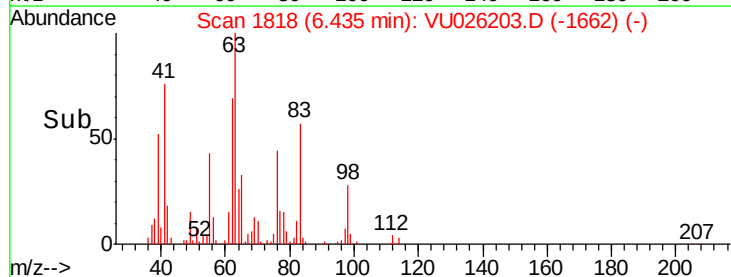
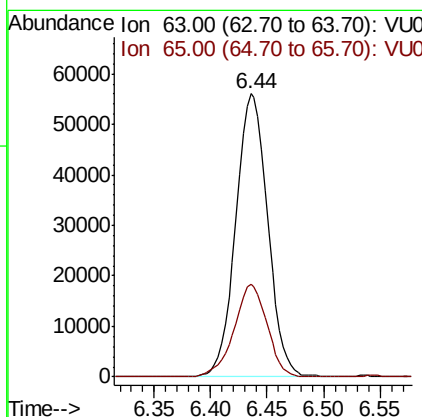
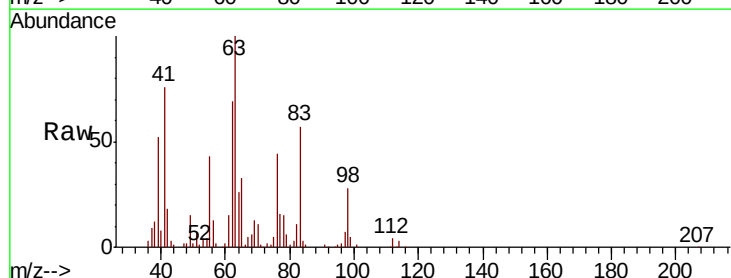
MMDadoda

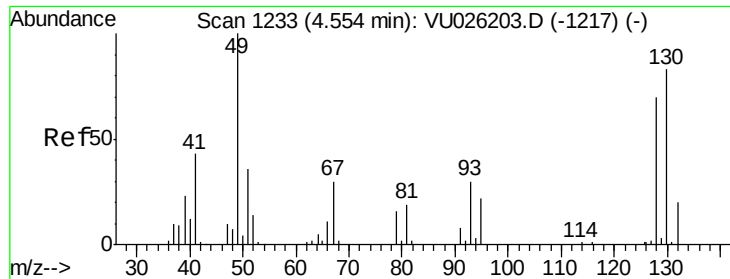
8/21/2018 11:34:26 AM



#38
 1,2-Dichloropropane
 Concen: 10.34 ug/l
 RT: 6.44 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.8





#39
Methacrylonitrile
Concen: 9.93 ug/l
RT: 4.55 min Scan# 1233
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

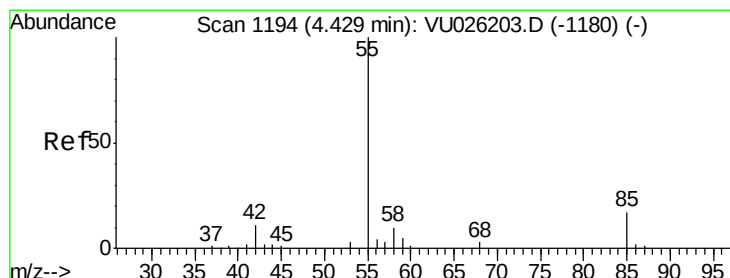
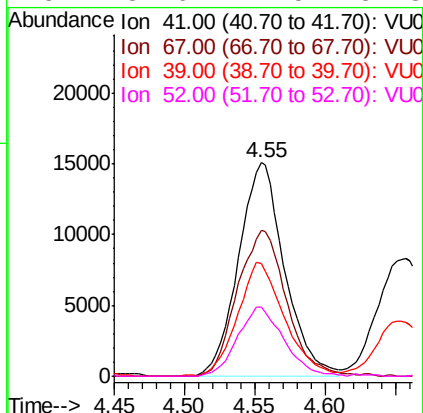
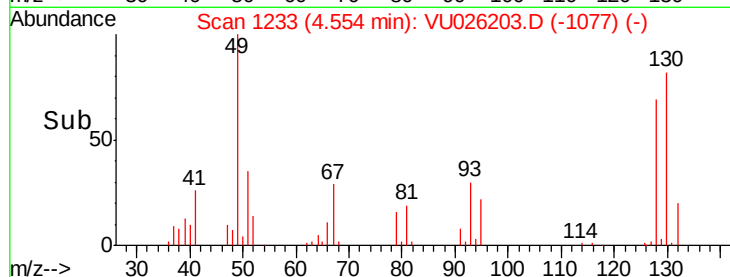
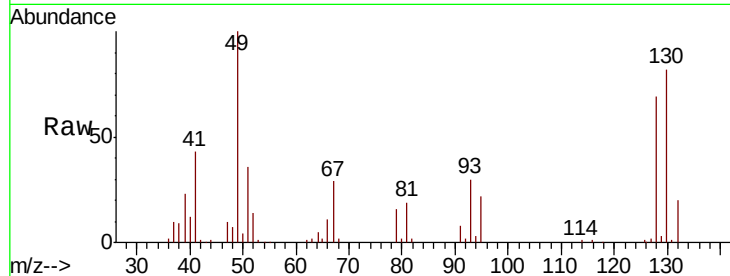
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		34407		
67	72.8	51.3	76.9		
39	54.3	40.6	60.8		
52	32.6	21.5	32.3#		

Manual Integrations
APPROVED

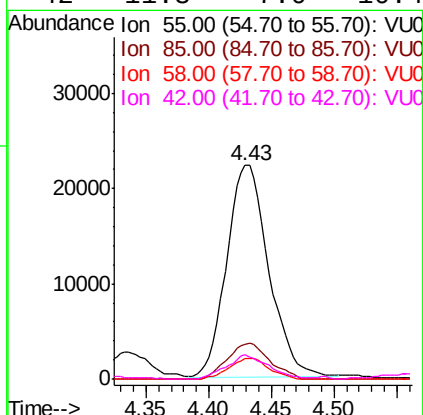
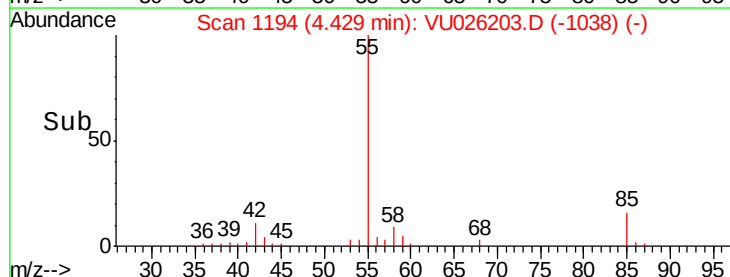
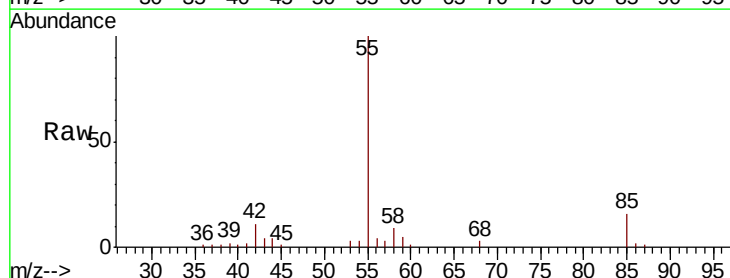
MMDadoda

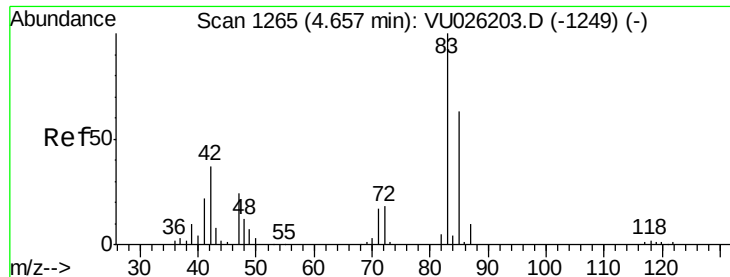
8/21/2018 11:34:26 AM



#40
Methyl acrylate
Concen: 9.92 ug/l
RT: 4.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
55	100		51860		
85	16.8	12.3	18.5		
58	9.2	7.0	10.6		
42	11.3	7.0	10.4#		





#41
Tetrahydrofuran
Concen: 16.36 ug/l
RT: 4.66 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

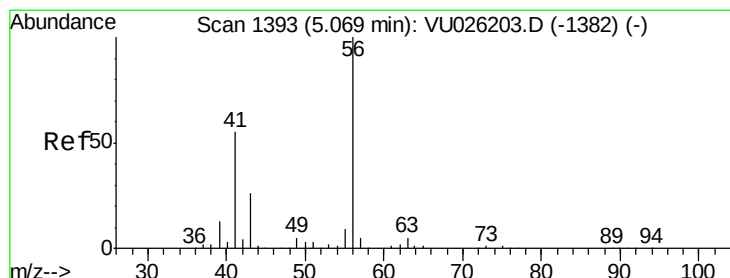
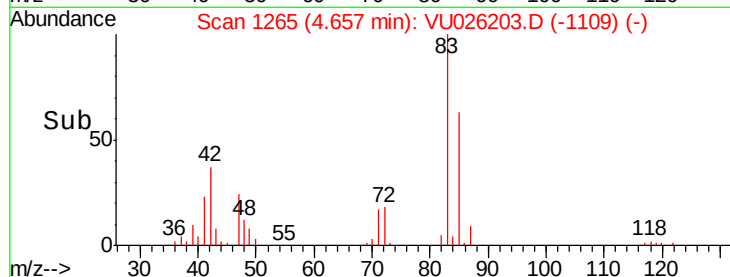
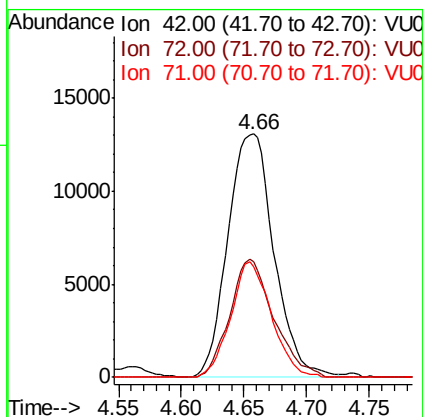
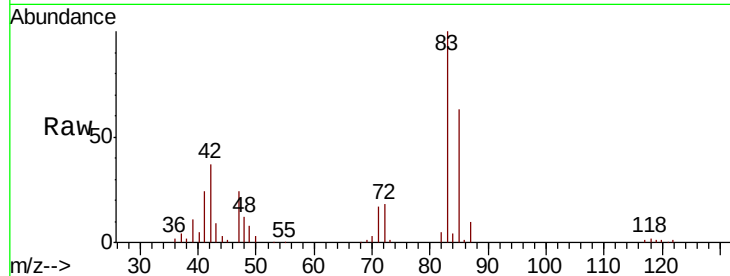
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	42	Resp:	33497
Ion	Ratio	Lower	Upper
42	100		
72	46.1	33.2	49.8
71	41.5	29.8	44.8

Manual Integrations
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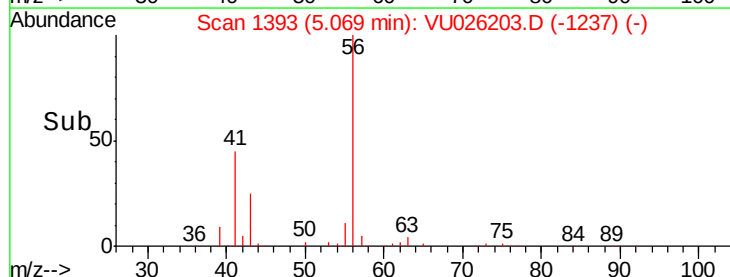
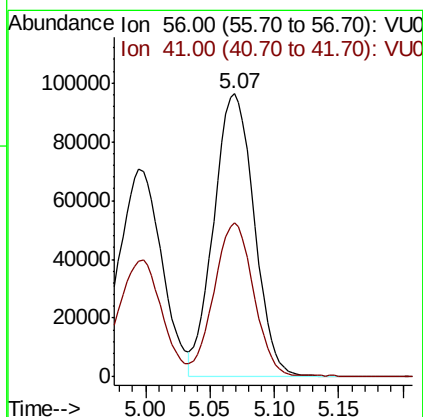
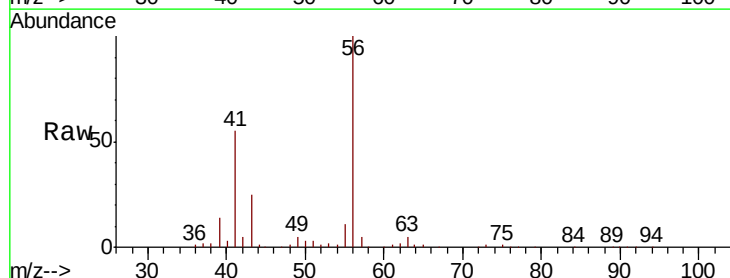
MMDadoda

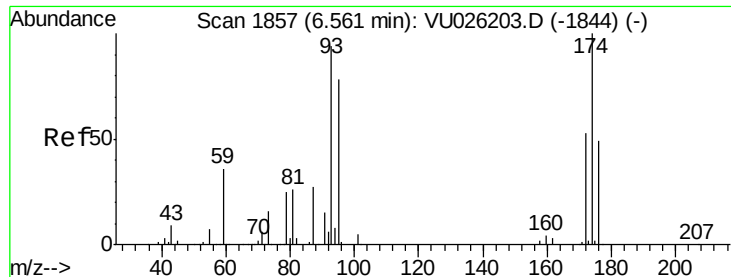
8/21/2018 11:34:26 AM



#42
1-Chlorobutane
Concen: 10.42 ug/l
RT: 5.07 min Scan# 1393
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion:	56	Resp:	209124
Ion	Ratio	Lower	Upper
56	100		
41	53.0	27.5	82.5





#43

Dibromomethane

Concen: 10.37 ug/l

RT: 6.56 min Scan# 1857

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 93 Resp: 57786

Ion Ratio Lower Upper

93 100

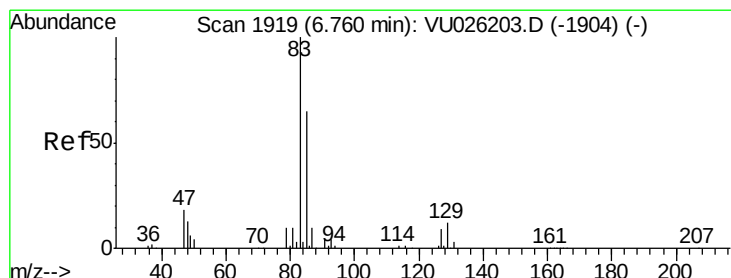
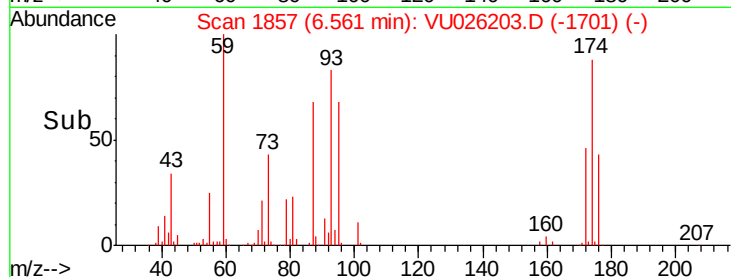
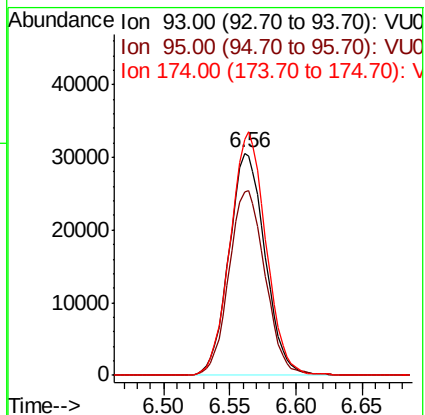
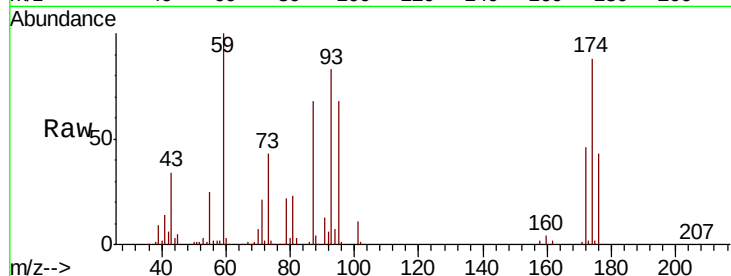
95 83.3 67.2 100.8

174 108.6 82.8 124.2

Manual Integrations
APPROVED

MMDadoda

8/21/2018 11:34:26 AM



#44

Bromodichloromethane

Concen: 10.45 ug/l

RT: 6.76 min Scan# 1919

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

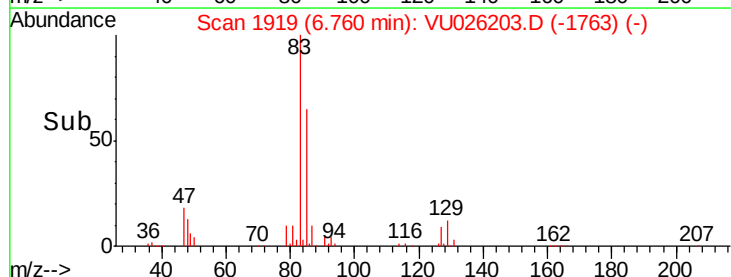
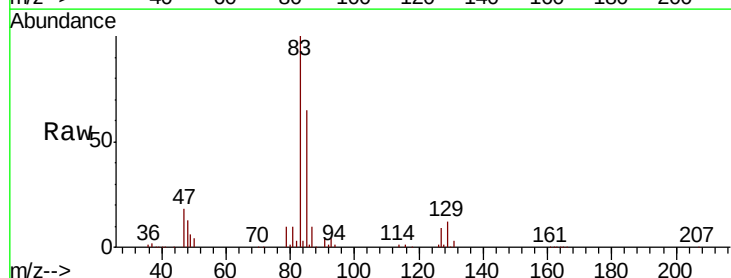
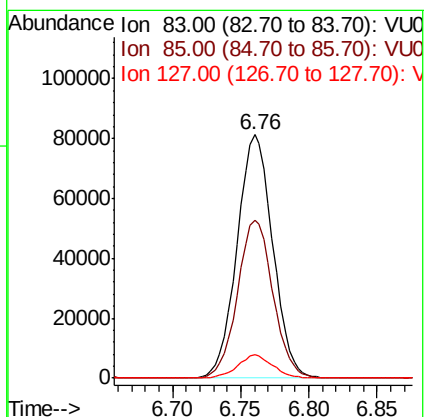
Tgt Ion: 83 Resp: 147573

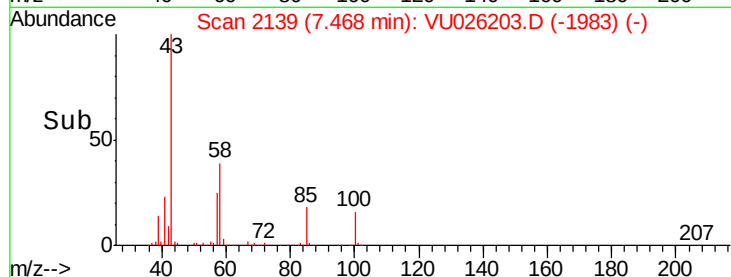
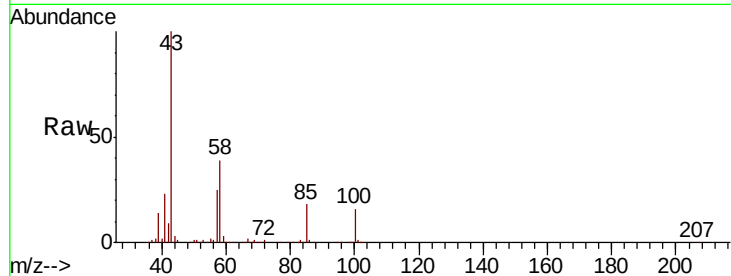
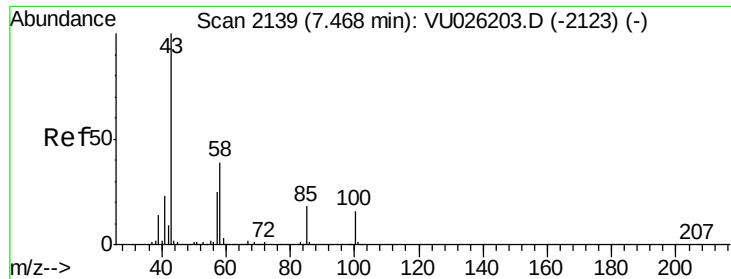
Ion Ratio Lower Upper

83 100

85 65.1 52.2 78.4

127 9.4 7.0 10.4





#45
4-Methyl-2-Pentanone
Concen: 50.66 ug/l
RT: 7.47 min Scan# 2139
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

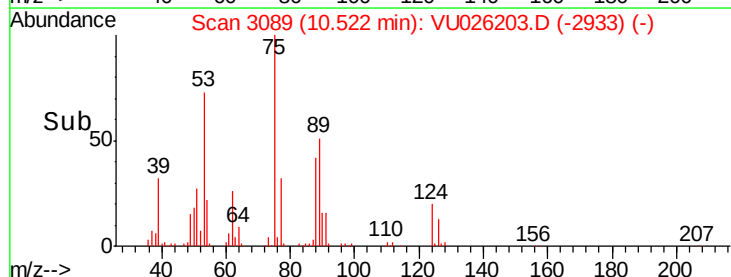
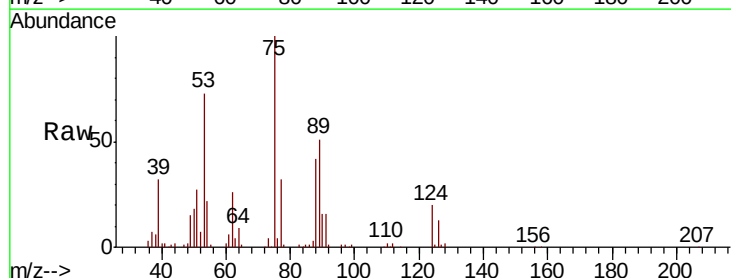
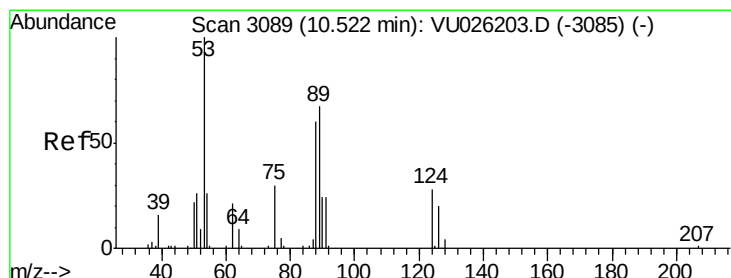
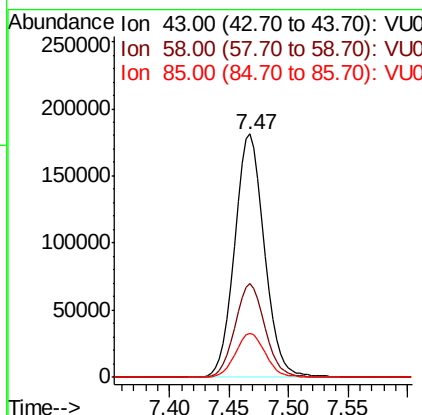
Tot Ion	43	Resp	314909
Ion Ratio	Lower	Upper	
43	100		
58	38.7	18.8	56.4
85	18.2	12.6	19.0

Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Manual Integrations
APPROVED

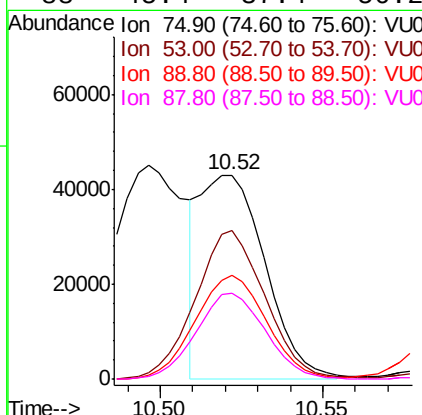
MMDadoda

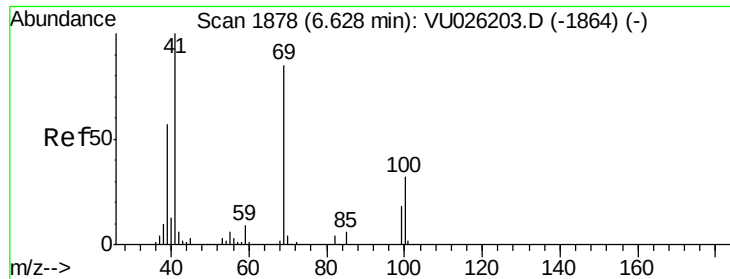
8/21/2018 11:34:26 AM



#46
t-1,4-Dichloro-2-butene
Concen: 22.24 ug/l m
RT: 10.52 min Scan# 3089
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	75	Resp	59287
Ion Ratio	Lower	Upper	
75	100		
53	79.4	82.2	123.4#
89	56.0	51.3	76.9
88	45.4	37.4	56.2





#47
Methvl methacrylate
Concen: 21.21 ug/l
RT: 6.63 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

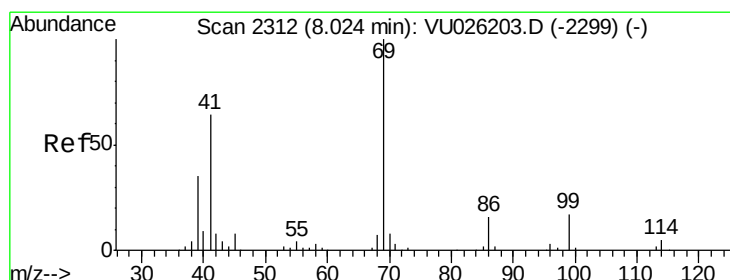
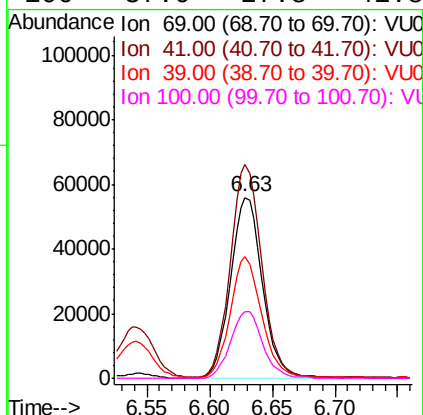
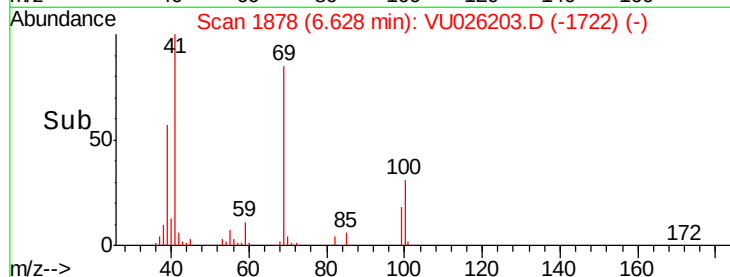
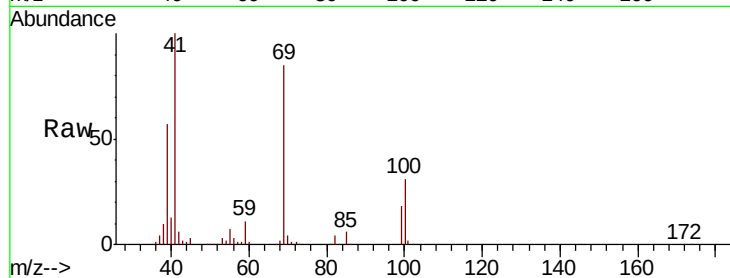
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	115.6	0.0	245.4		
39	65.7	49.0	73.4		
100	37.0	27.8	41.8		

Manual Integrations
APPROVED

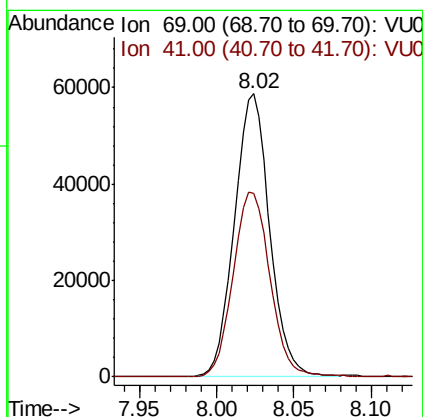
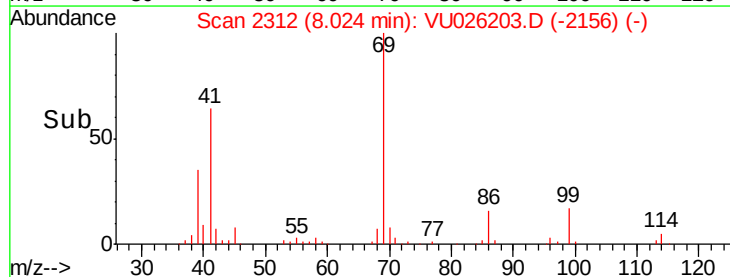
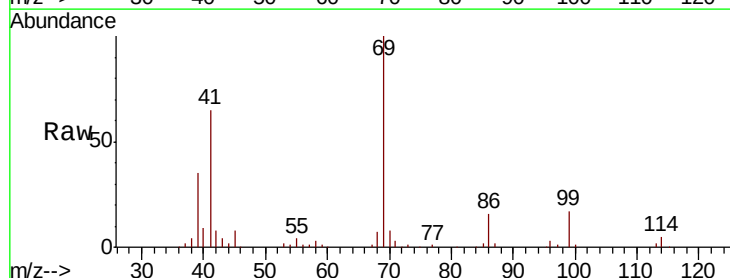
MMDadoda

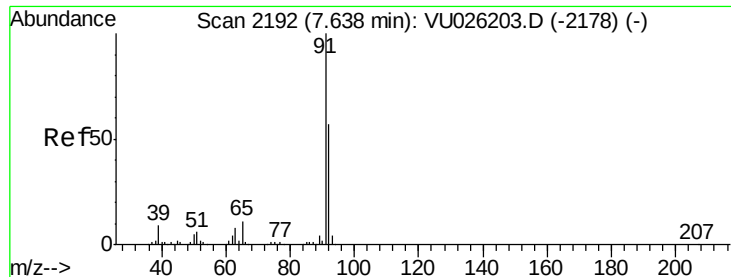
8/21/2018 11:34:26 AM



#48
Ethyl methacrylate
Concen: 9.93 ug/l
RT: 8.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100				
41	68.5	34.2	102.5		





#49

Toluene

Concen: 10.42 ug/l

RT: 7.64 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 92 Resp: 262105

Ion Ratio Lower Upper

92 100

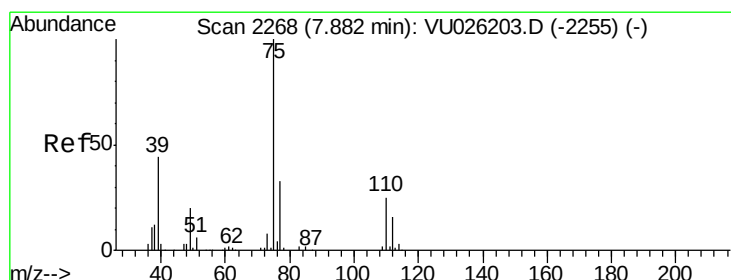
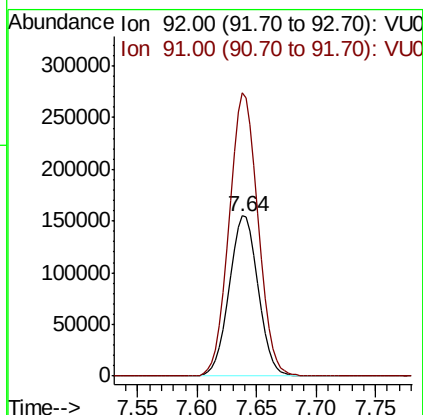
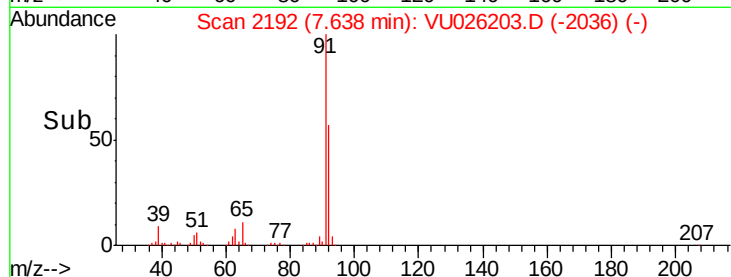
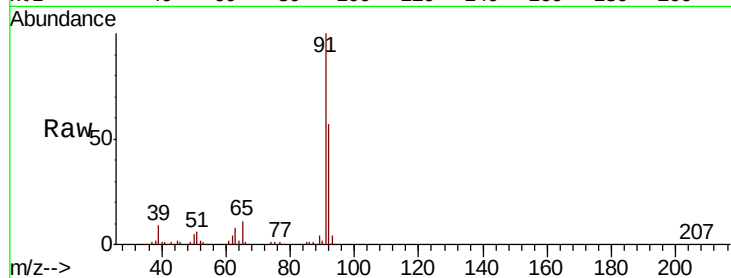
91 176.5 137.1 205.7

Manual Integrations

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#50

t-1,3-Dichloropropene

Concen: 10.45 ug/l

RT: 7.88 min Scan# 2268

Delta R.T. 0.00 min

Lab File: VU026203.D

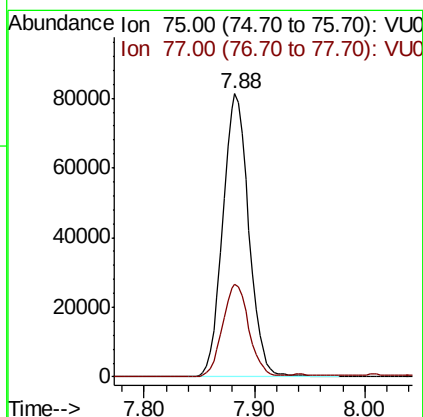
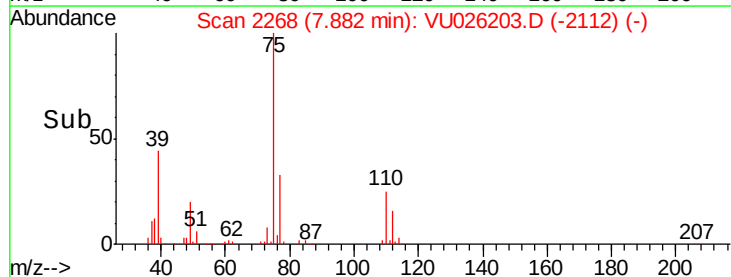
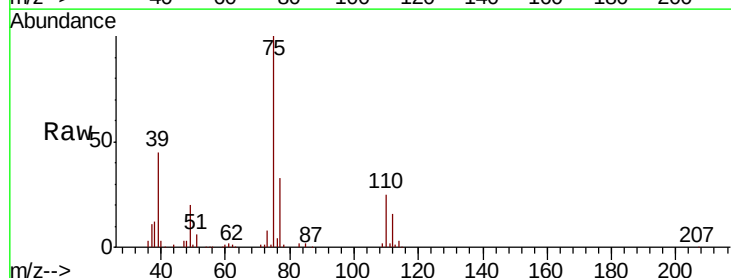
Acq: 20 Aug 2018 12:48

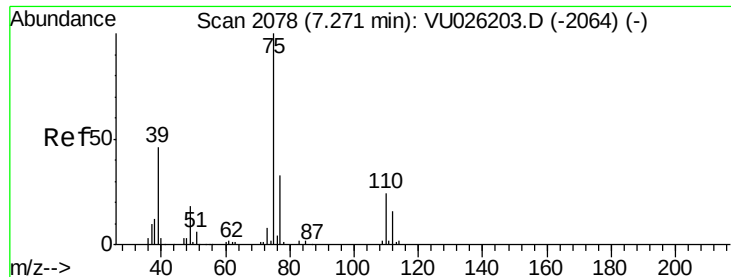
Tgt Ion: 75 Resp: 133191

Ion Ratio Lower Upper

75 100

77 32.7 25.2 37.8





#51
 cis-1,3-Dichloropropene
 Concen: 10.11 ug/l
 RT: 7.27 min Scan# 2078
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

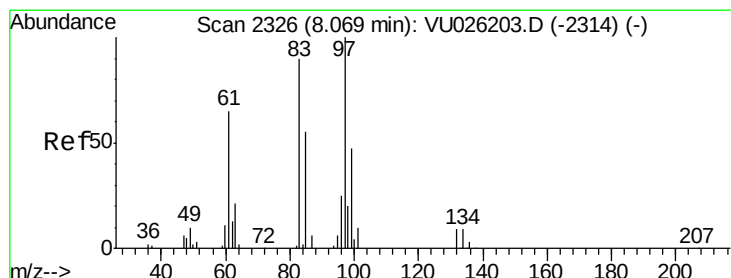
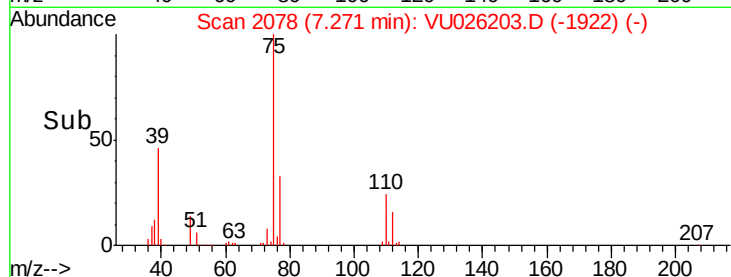
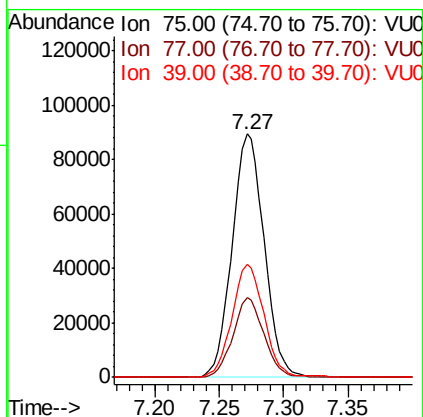
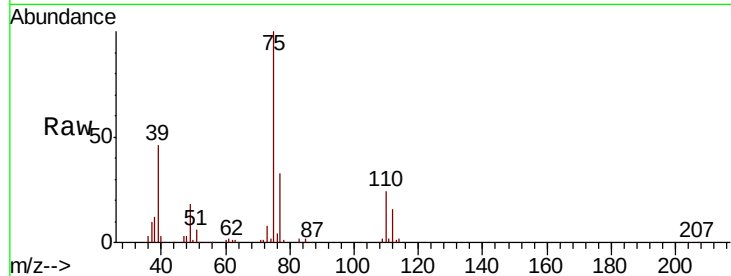
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	75	Resp:	154381
Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.2	37.8
39	46.4	36.4	54.6

Manual Integrations
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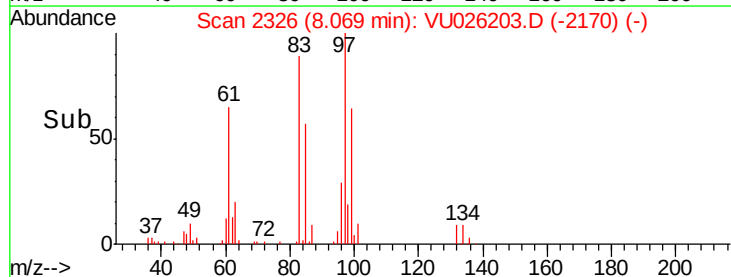
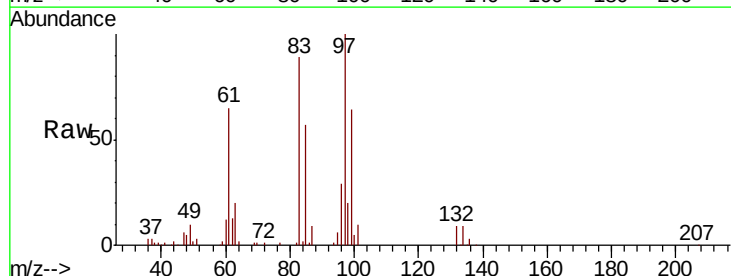
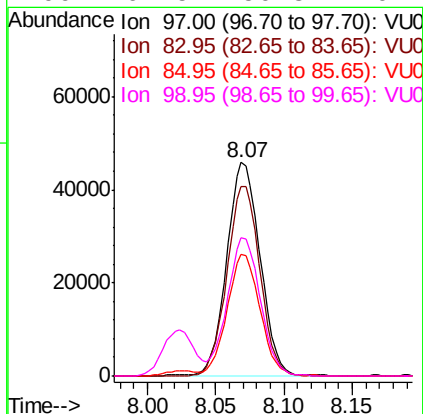
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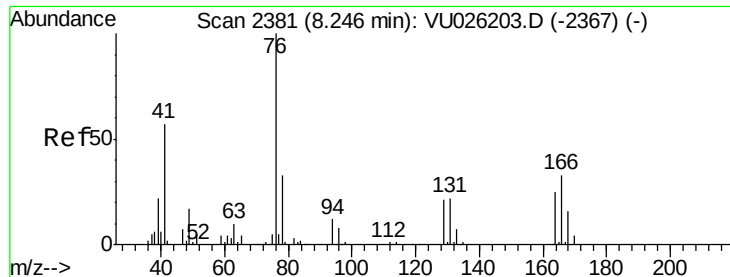
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#52
 1,1,2-Trichloroethane
 Concen: 10.42 ug/l
 RT: 8.07 min Scan# 2326
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion:	97	Resp:	77863
Ion	Ratio	Lower	Upper
97	100		
83	89.0	72.6	109.0
85	56.9	47.2	70.8
99	64.5	50.8	76.2





#53
 1,3-Dichloropropane
 Concen: 10.52 ug/l
 RT: 8.25 min Scan# 2381
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

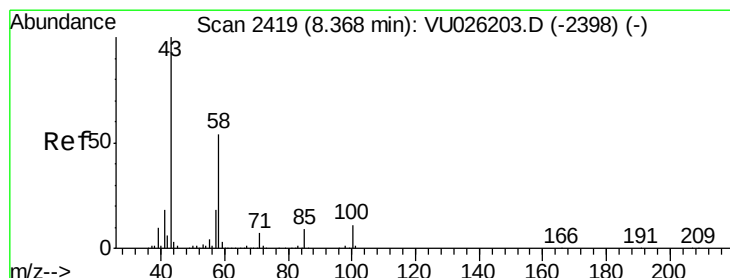
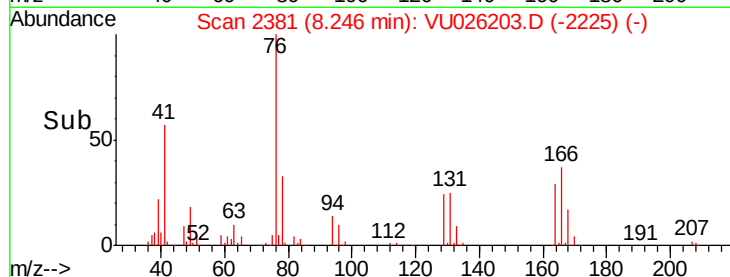
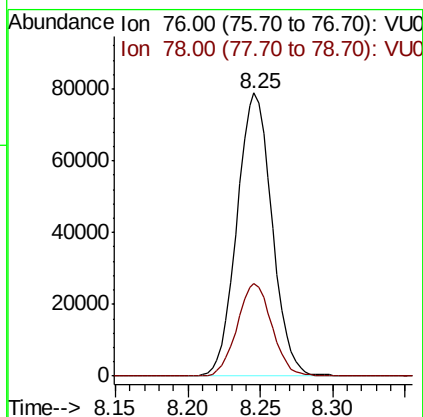
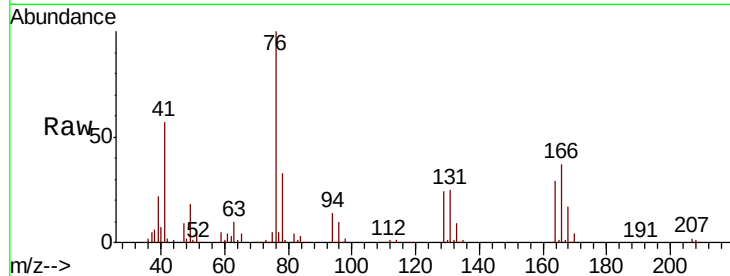
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.7	38.5

Manual Integrations
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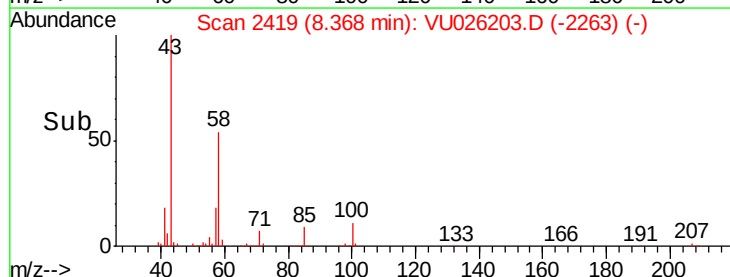
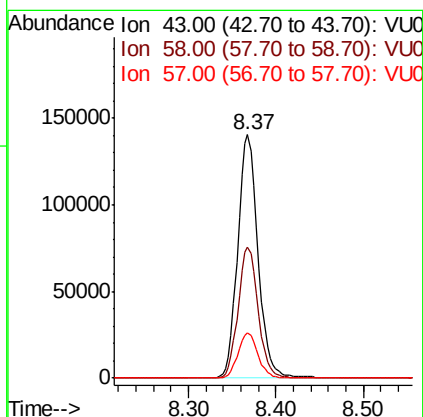
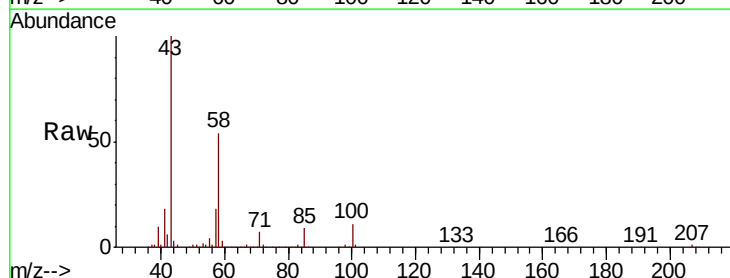
MMDadoda

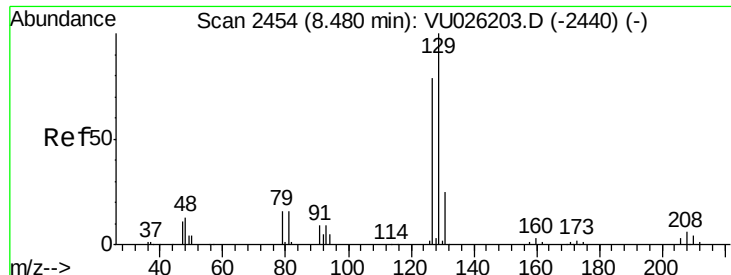
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#54
 2-Hexanone
 Concen: 51.53 ug/l
 RT: 8.37 min Scan# 2419
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	53.3	32.5	72.5
57	18.3	0.0	37.9





#55
 Dibromochloromethane
 Concen: 11.10 ug/l
 RT: 8.48 min Scan# 2454
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

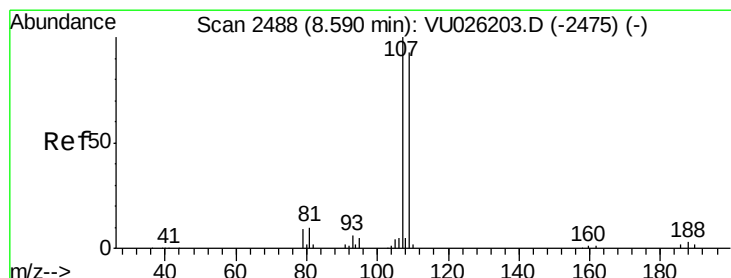
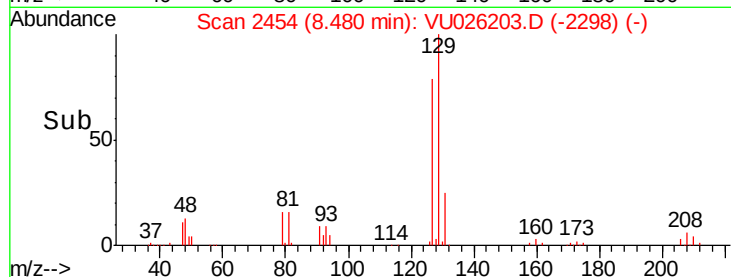
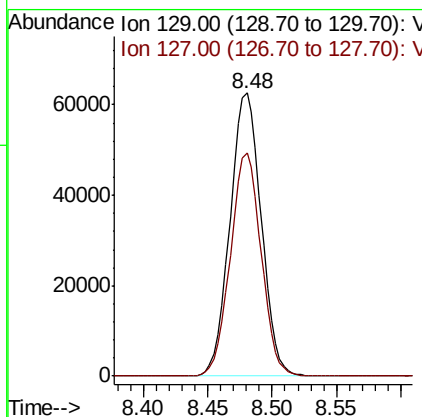
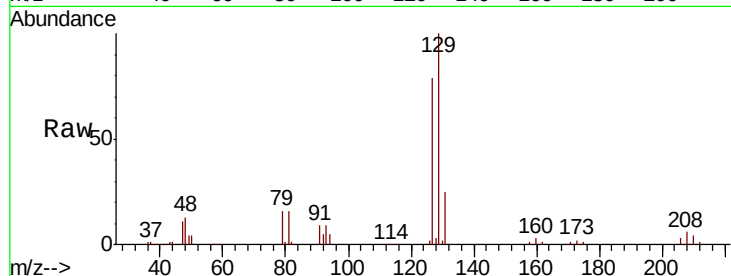
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.5	61.1	91.7

Manual Integrations
 APPROVED

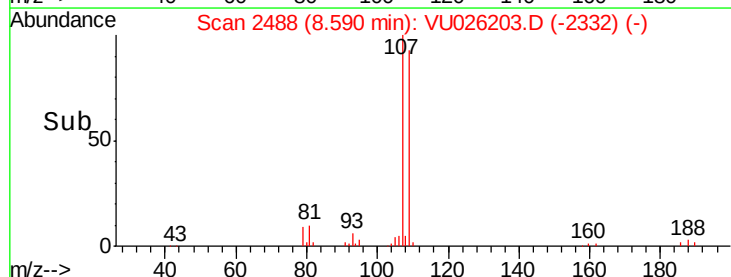
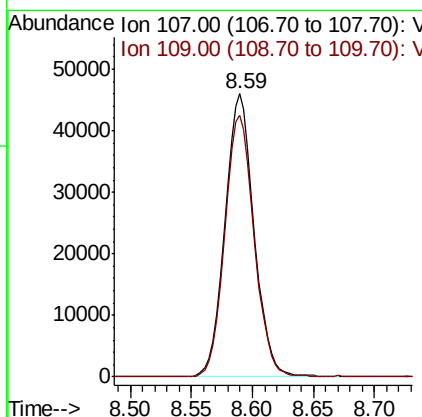
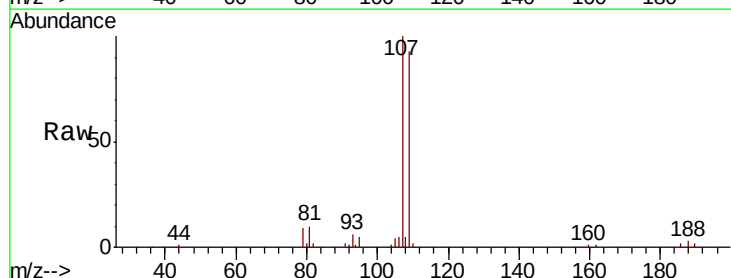
MMDadoda

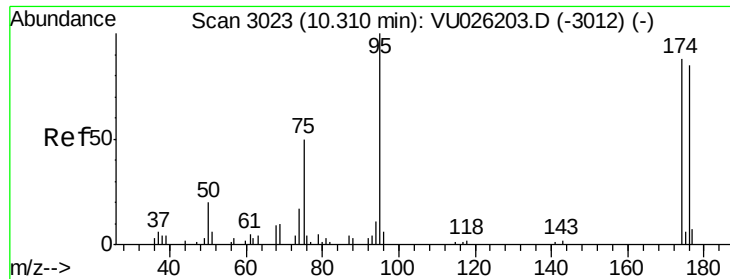
8/21/2018 11:34:26 AM



#56
 1,2-Dibromoethane
 Concen: 10.59 ug/l
 RT: 8.59 min Scan# 2488
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.7	0.0	189.0





#57
4-Bromofluorobenzene
Concen: 10.59 ug/l
RT: 10.31 min Scan# 3023
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

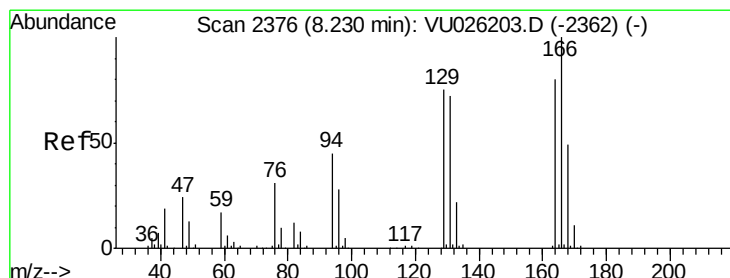
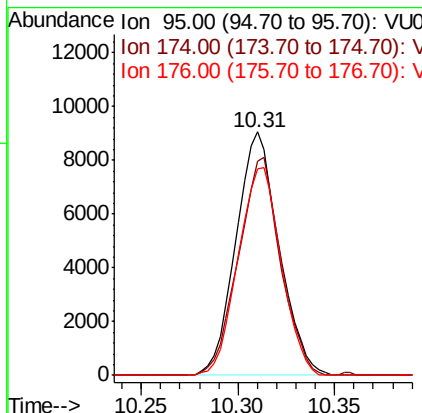
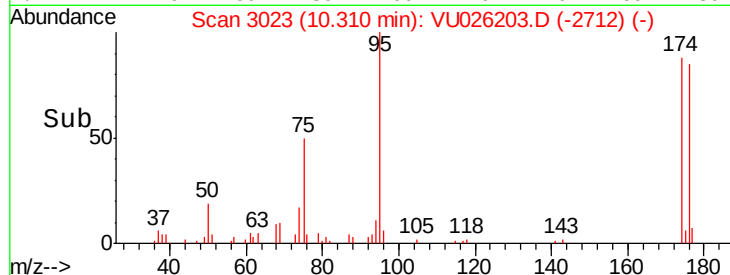
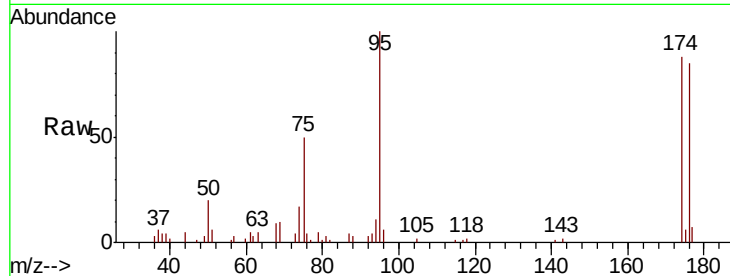
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion:	95	Resp:	14025
Ion Ratio	Lower	Upper	
95	100		
174	87.5	65.6	98.4
176	85.1	62.0	93.0

Manual Integrations
APPROVED

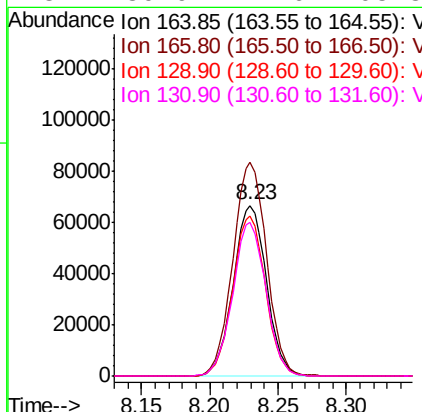
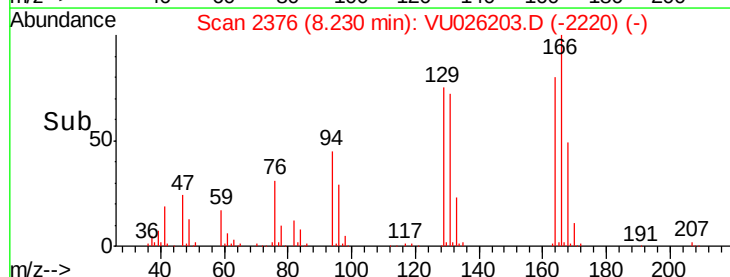
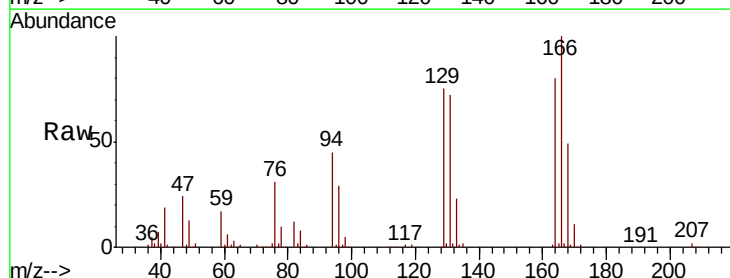
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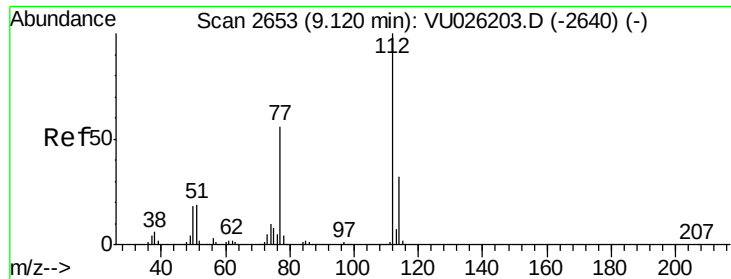
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#58
Tetrachloroethene
Concen: 10.31 ug/l
RT: 8.23 min Scan# 2376
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion:	164	Resp:	112300
Ion Ratio	Lower	Upper	
164	100		
166	125.4	104.1	156.1
129	93.6	76.8	115.2
131	89.9	72.6	108.8





#59
Chlorobenzene
Concen: 10.07 ug/l
RT: 9.12 min Scan# 2653
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

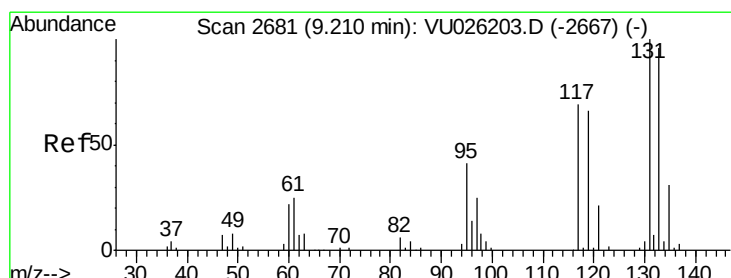
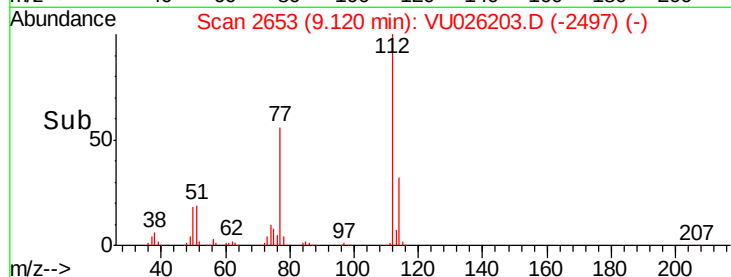
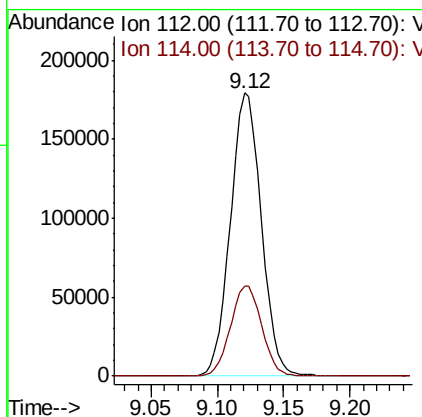
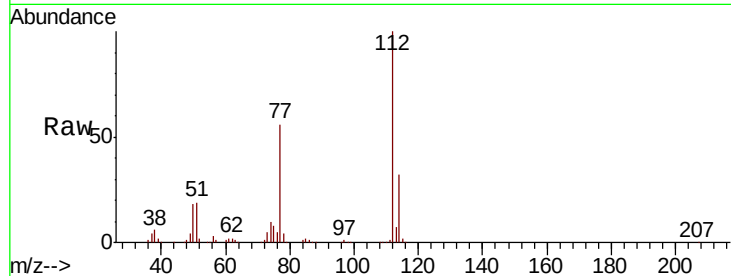
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
112	100		291071		
114	31.9	25.4	38.2		

Manual Integrations
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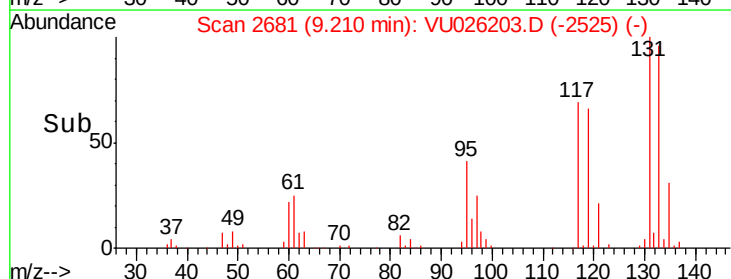
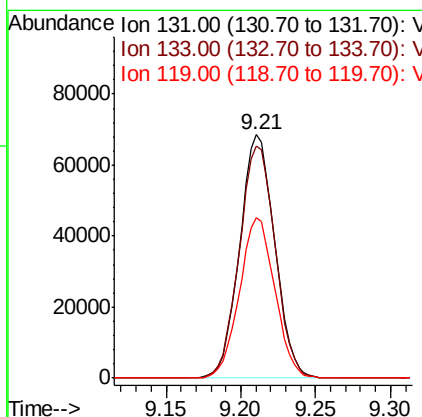
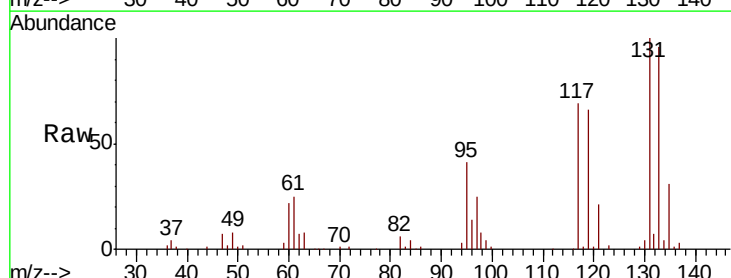
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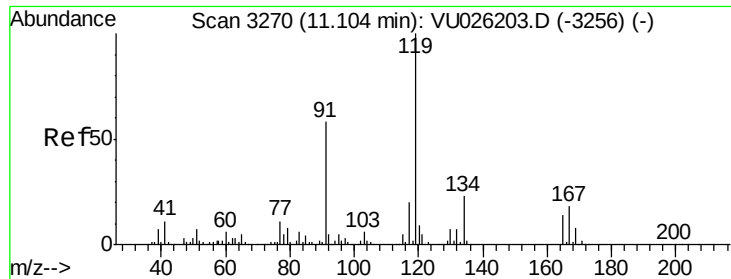
8/21/2018 11:34:26 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.43 ug/l
RT: 9.21 min Scan# 2681
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
131	100		111961		
133	97.8	75.8	113.8		
119	66.3	53.0	79.6		





#61

Pentachloroethane

Concen: 11.45 ug/l

RT: 11.10 min Scan# 3270

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:117 Resp: 93844

Ion Ratio Lower Upper

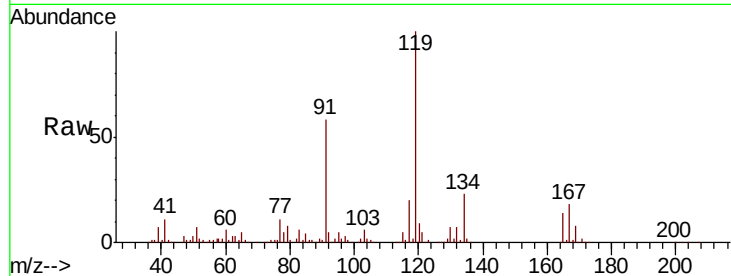
117 100

167 89.6 69.2 103.8

Manual Integrations
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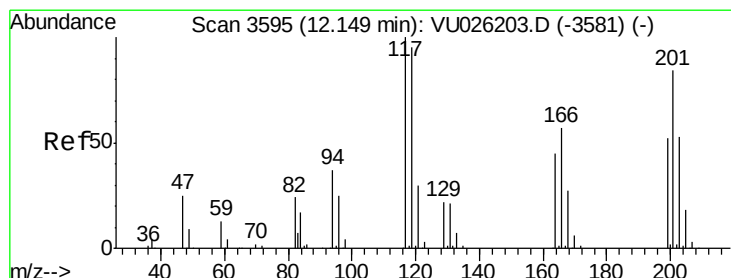
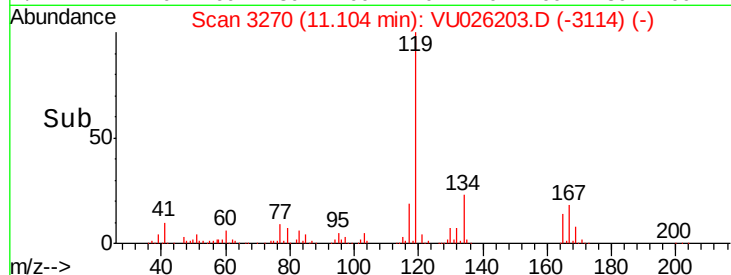
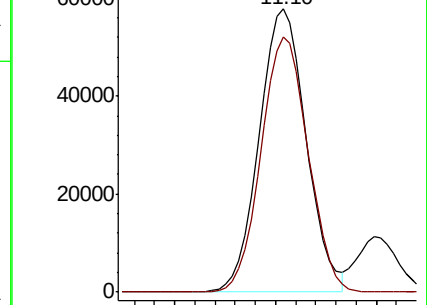
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 11.85 ug/l

RT: 12.15 min Scan# 3595

Delta R.T. 0.00 min

Lab File: VU026203.D

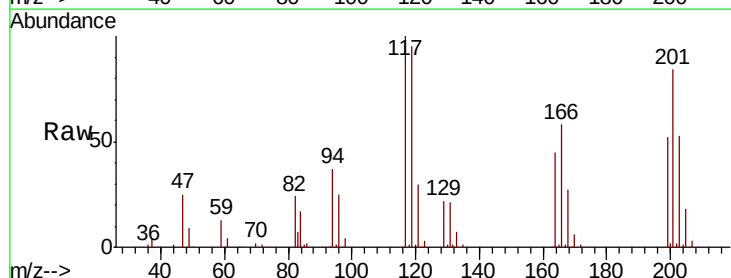
Acq: 20 Aug 2018 12:48

Tgt Ion:117 Resp: 99177

Ion Ratio Lower Upper

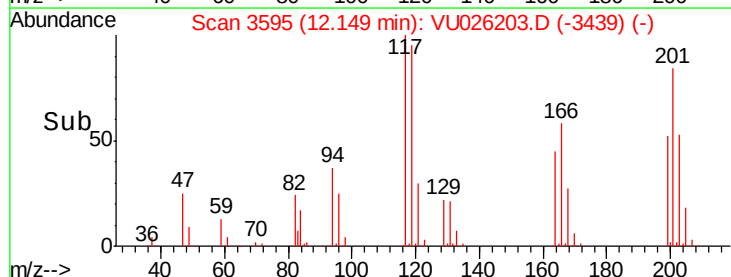
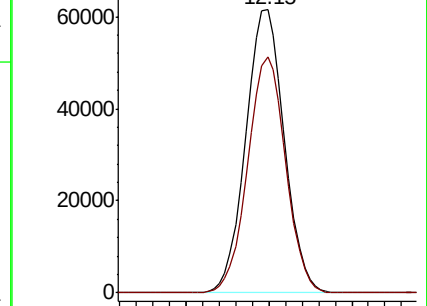
117 100

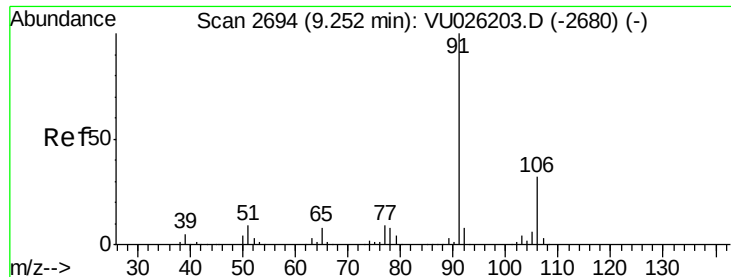
201 82.2 68.7 103.1



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





#63
Ethyl Benzene
Concen: 10.35 ug/l
RT: 9.25 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

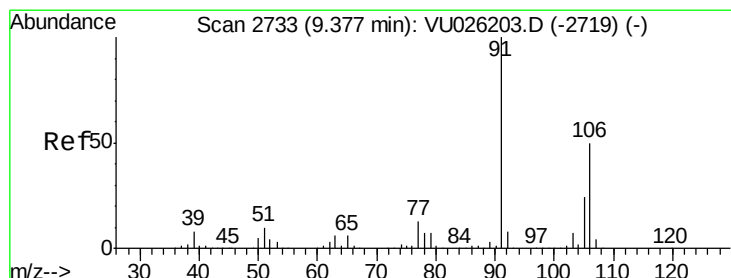
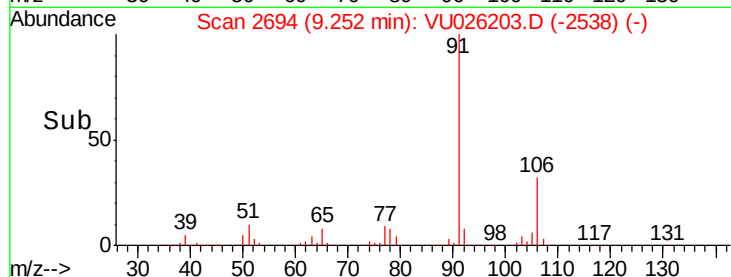
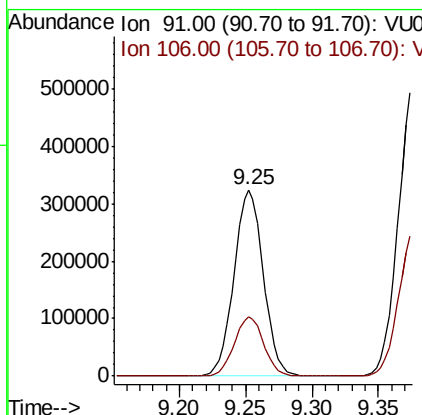
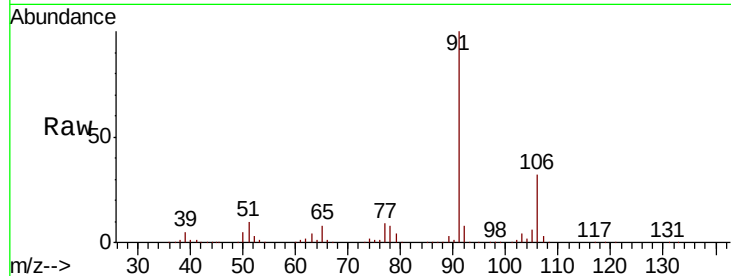
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 497900
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1

Manual Integrations
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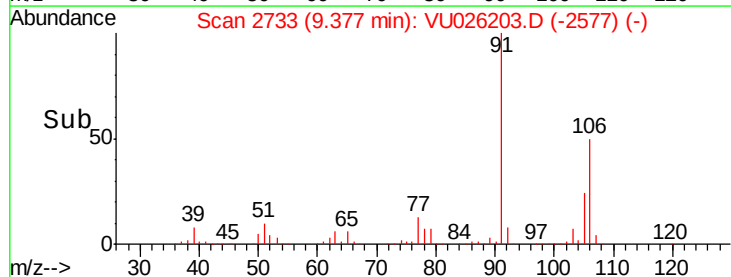
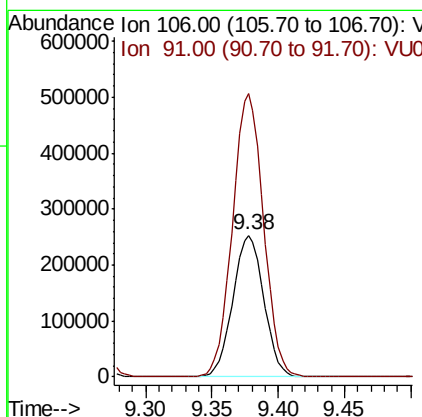
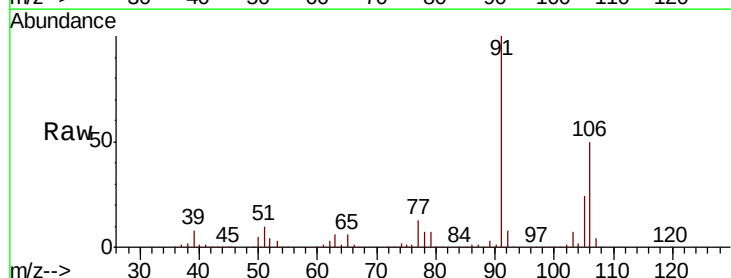
MMDadoda

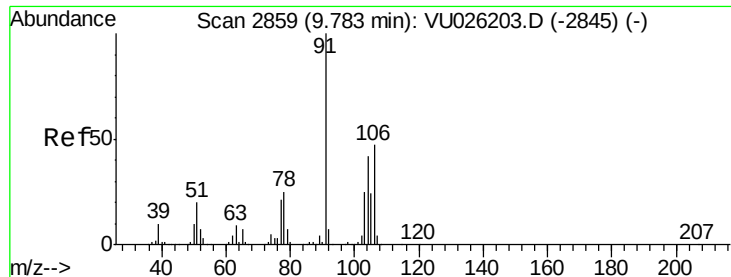
8/21/2018 11:34:26 AM



#64
m/p-Xylenes
Concen: 21.65 ug/l
RT: 9.38 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion: 106 Resp: 409353
Ion Ratio Lower Upper
106 100
91 200.5 164.1 246.1





#65
o-Xylene
Concen: 10.51 ug/l
RT: 9.78 min Scan# 2859
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

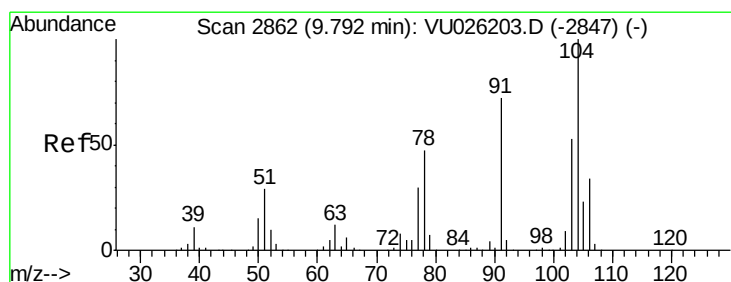
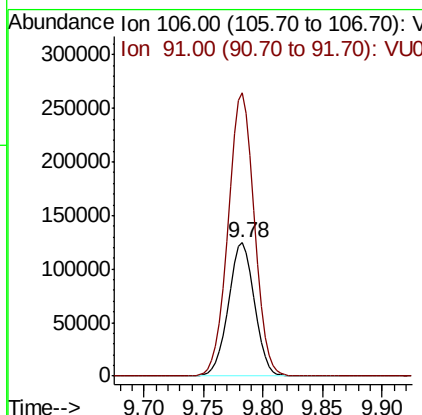
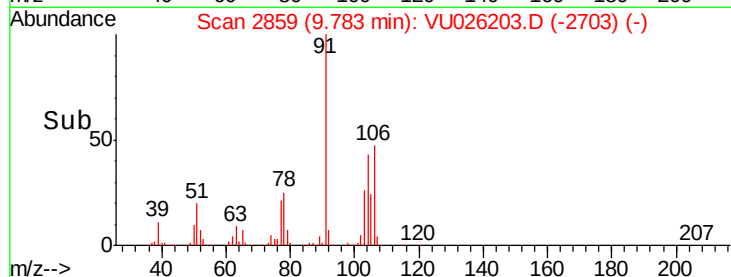
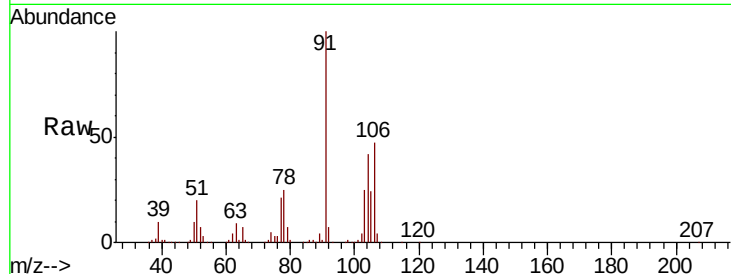
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	189350		
91	91	213.2	107.9	323.7	

Manual Integrations
APPROVED

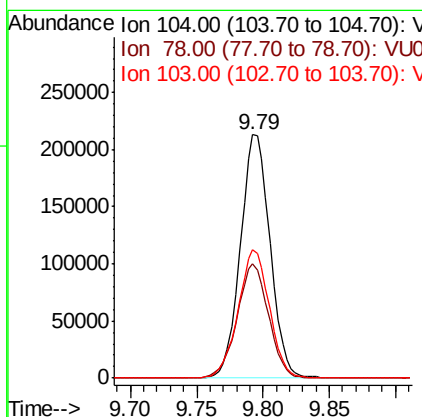
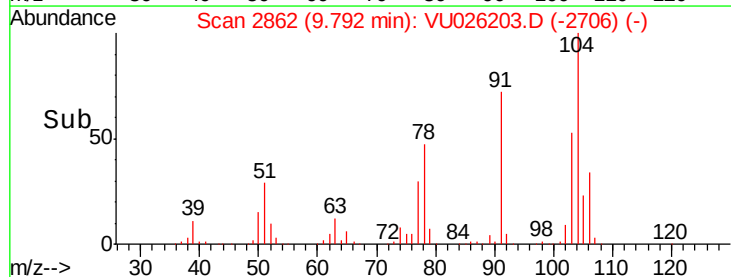
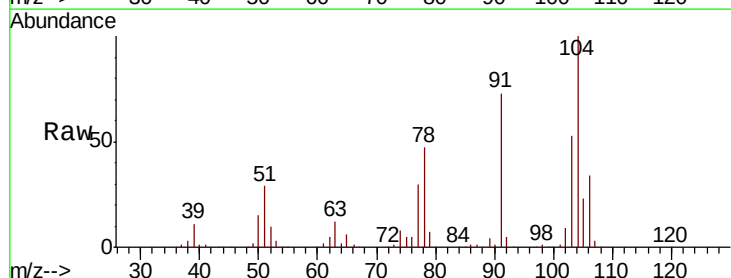
MMDadoda

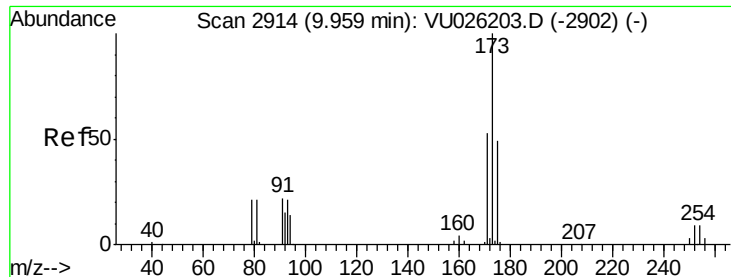
8/21/2018 11:34:26 AM



#66
Styrene
Concen: 10.83 ug/l
RT: 9.79 min Scan# 2862
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	331541		
78	78	49.8	40.2	60.2	
103	103	55.6	44.2	66.4	





#67
Bromoform
Concen: 11.33 ug/l
RT: 9.96 min Scan# 2914
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

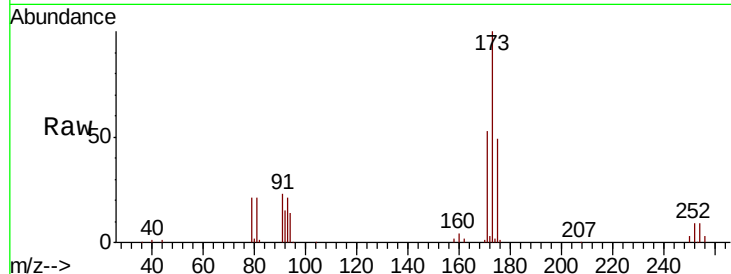
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	57.8
254	9.0	8.8	13.2

Manual Integrations
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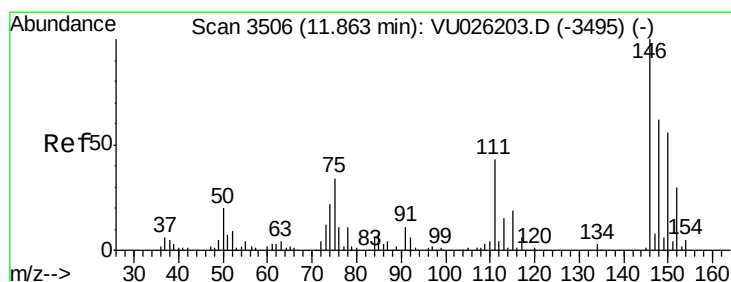
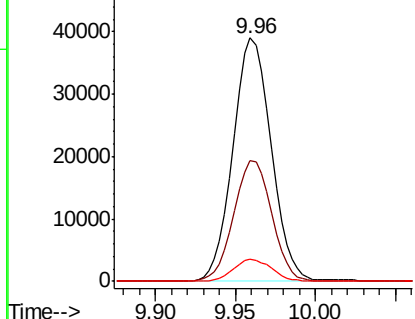
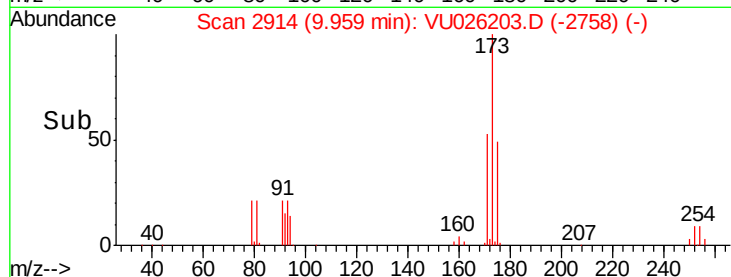


Abundance

Ion 172.90 (172.60 to 173.60): V

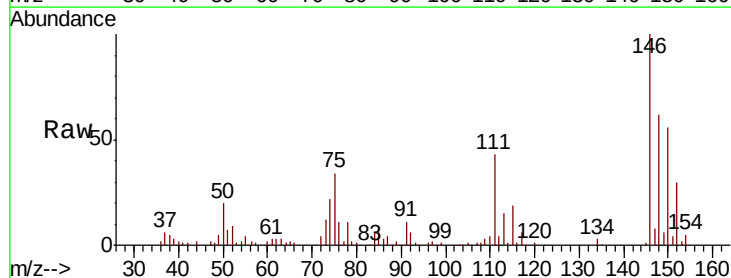
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 11.33 ug/l
RT: 11.86 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.8	0.0	118.8
150	324.8	0.0	0.0#

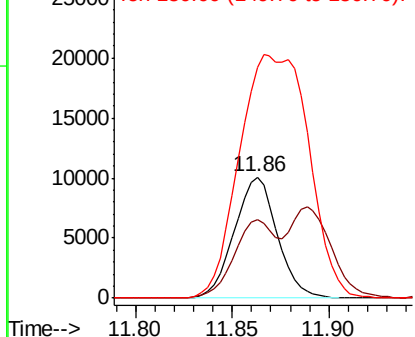
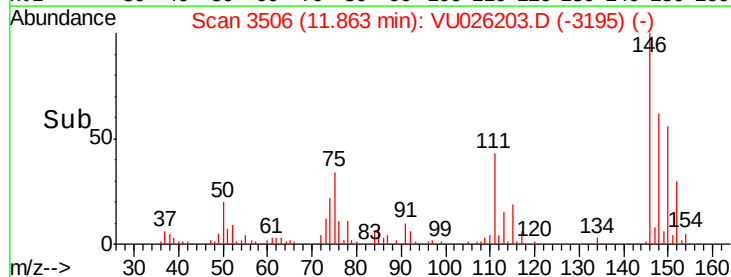


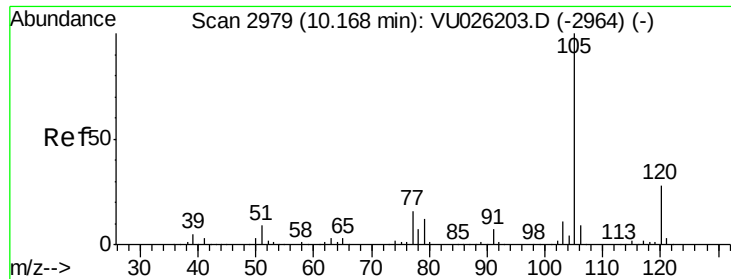
Abundance

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: 10.38 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion: 105 Resp: 505433

Ion Ratio Lower Upper

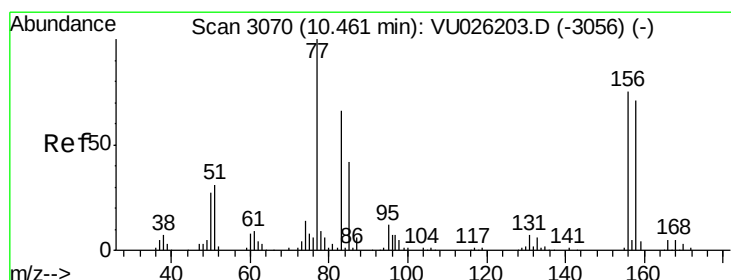
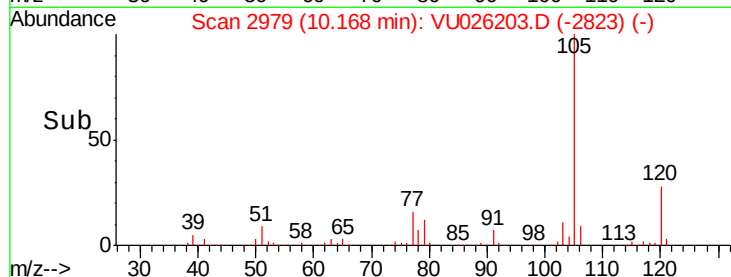
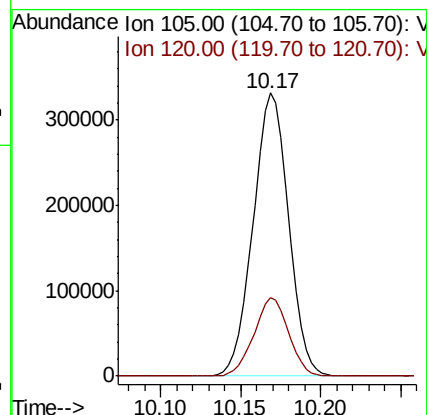
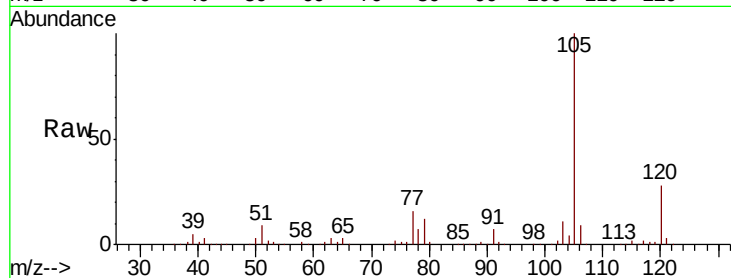
105 100

120 27.2 13.1 39.3

Manual Integrations
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#70

1,1,2,2-Tetrachloroethane

Concen: 10.54 ug/l

RT: 10.46 min Scan# 3070

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

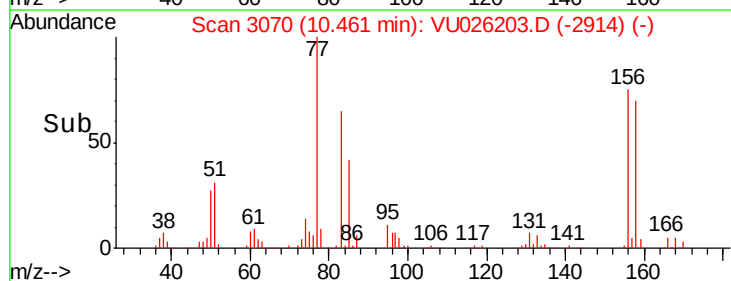
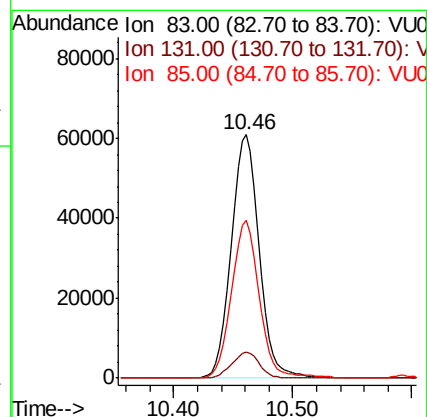
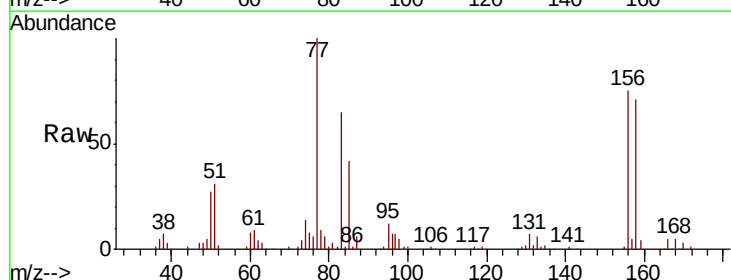
Tgt Ion: 83 Resp: 98966

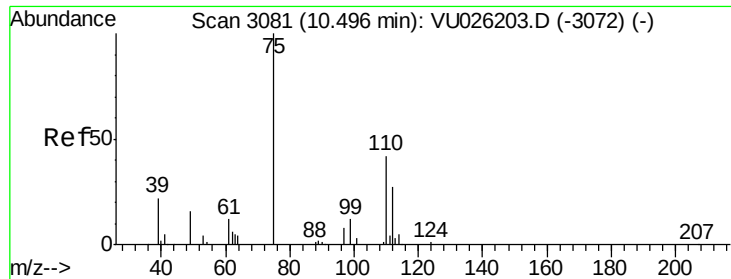
Ion Ratio Lower Upper

83 100

131 10.4 7.9 11.9

85 64.7 51.8 77.6





#71
 1,2,3-Trichloropropane
 Concen: 9.84 ug/l m
 RT: 10.50 min Scan# 3081
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

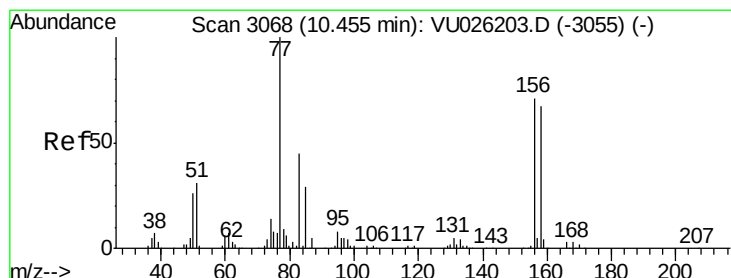
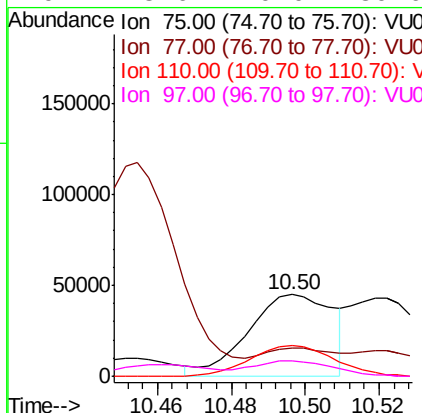
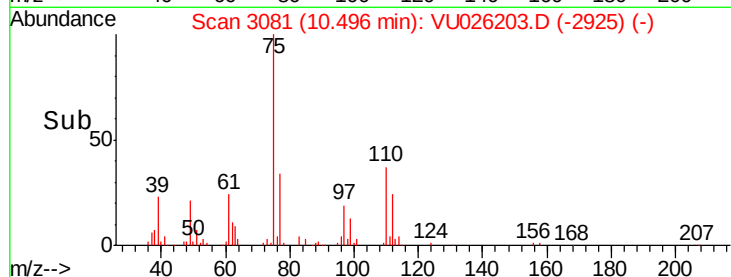
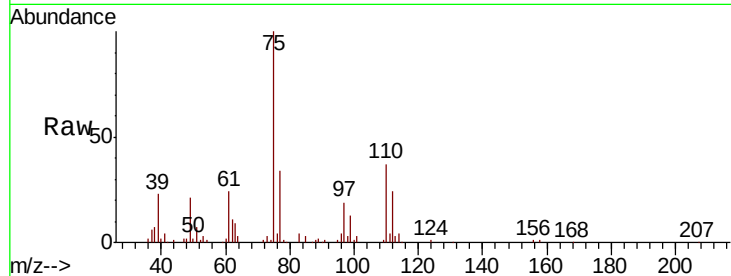
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	9.5	0.0	0.0#
110	37.5	0.0	74.0
97	18.6	0.0	39.6

Manual Integrations
 APPROVED

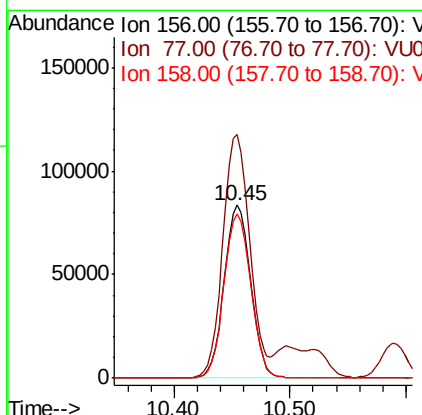
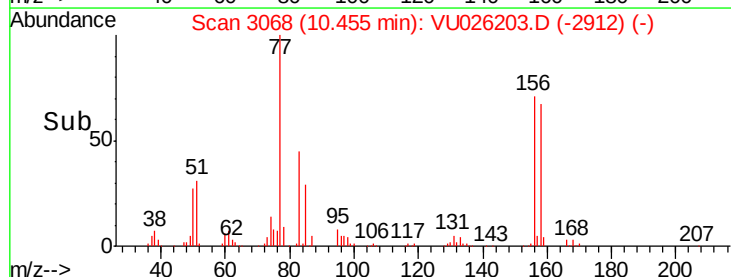
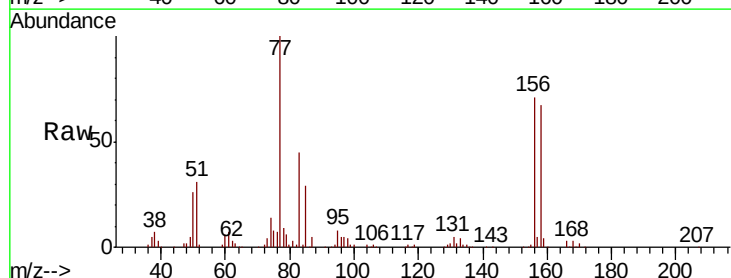
MMDadoda

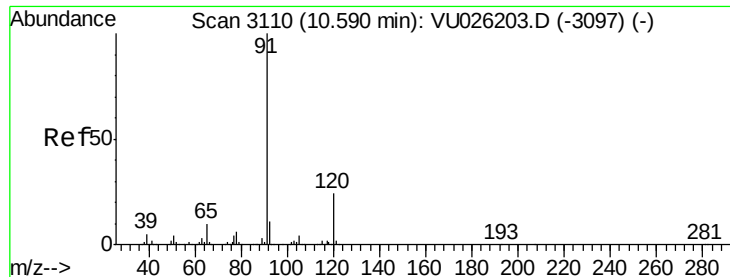
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#72
 Bromobenzene
 Concen: 10.44 ug/l
 RT: 10.45 min Scan# 3068
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
156	100		
77	144.0	0.0	309.8
158	96.2	0.0	193.0





#73

n-propylbenzene

Concen: 11.06 ug/l

RT: 10.59 min Scan# 3110

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:120 Resp: 151771

Ion Ratio Lower Upper

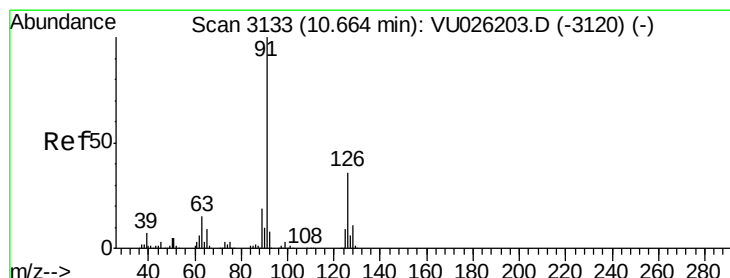
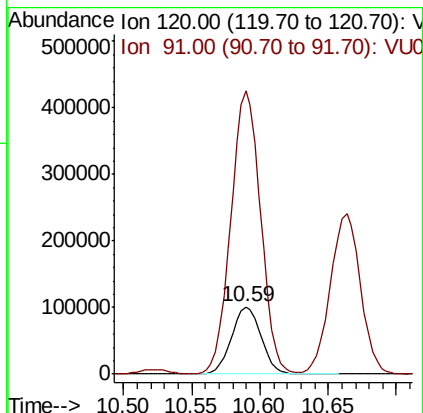
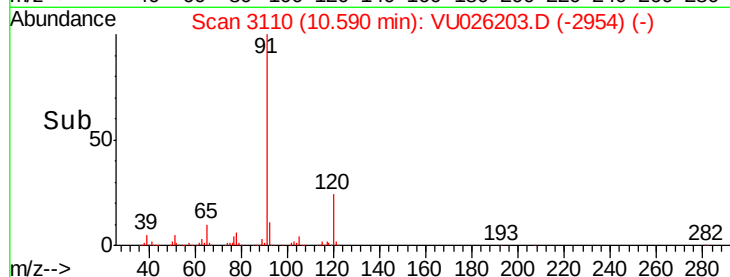
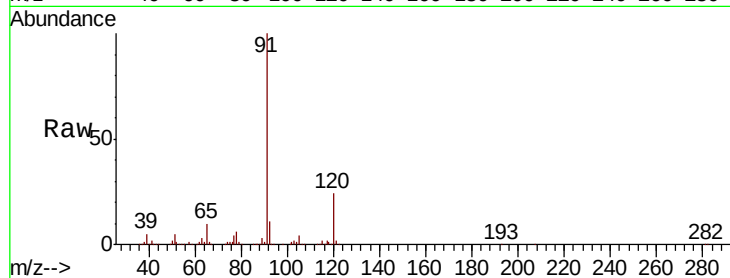
120 100

91 423.1 352.2 528.4

Manual Integrations
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#74

2-Chlorotoluene

Concen: 10.81 ug/l

RT: 10.66 min Scan# 3133

Delta R.T. 0.00 min

Lab File: VU026203.D

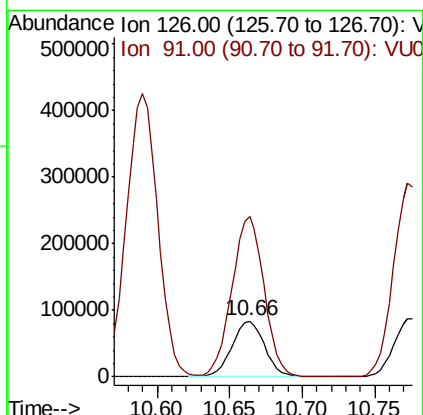
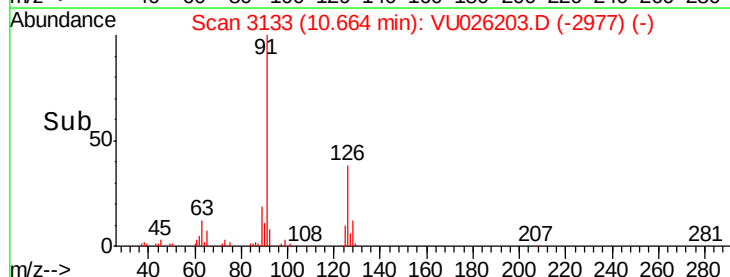
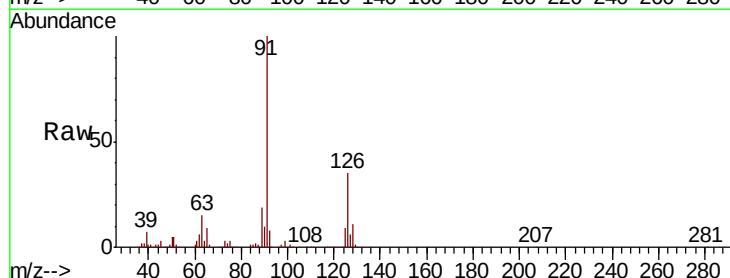
Acq: 20 Aug 2018 12:48

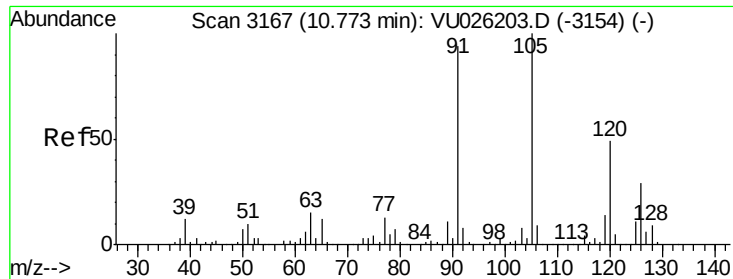
Tgt Ion:126 Resp: 130497

Ion Ratio Lower Upper

126 100

91 281.7 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 10.84 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026203.D

Acq: 20 Aug 2018 12:48

Instrument :

MSVOA_U

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 460856

Ion Ratio Lower Upper

105 100

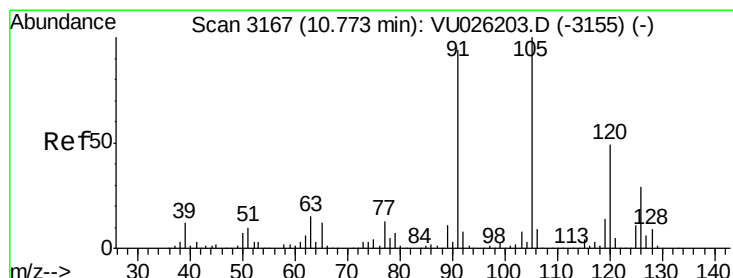
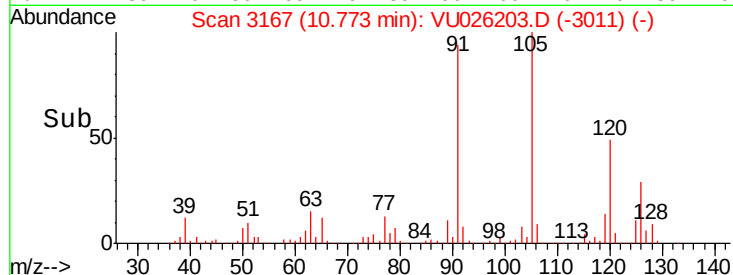
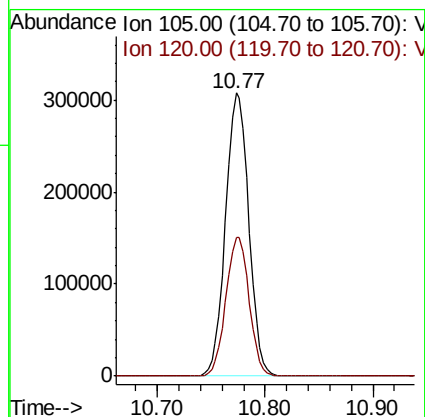
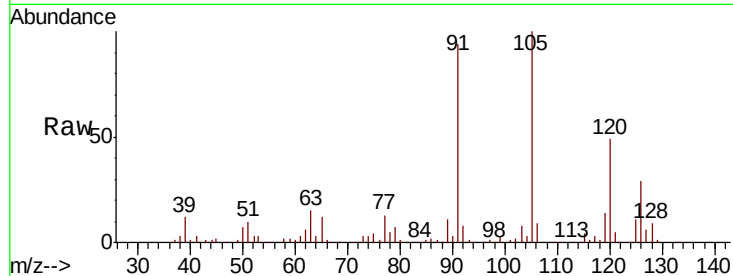
120 49.1 39.0 58.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 10.59 ug/l

RT: 10.77 min Scan# 3167

Delta R.T. 0.00 min

Lab File: VU026203.D

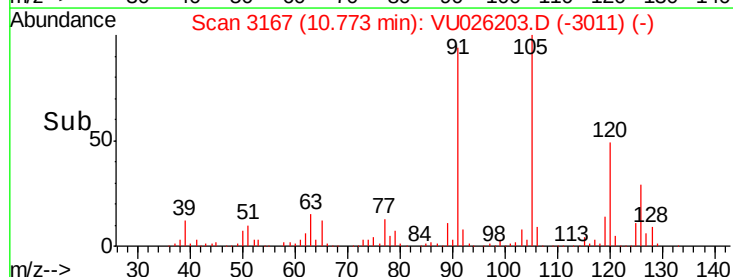
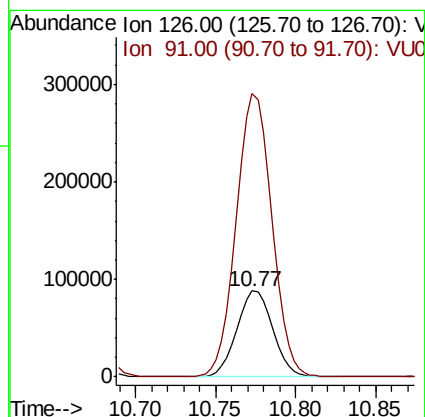
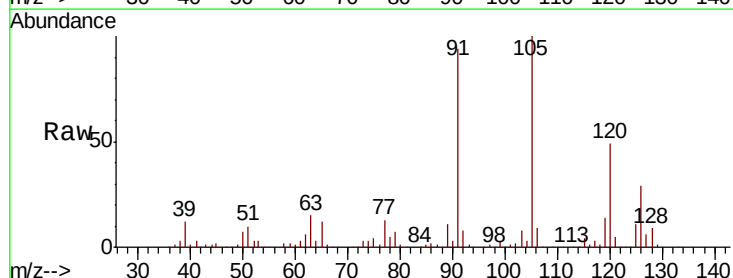
Acq: 20 Aug 2018 12:48

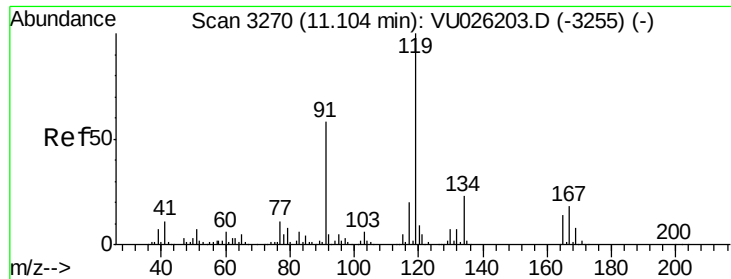
Tgt Ion:126 Resp: 134476

Ion Ratio Lower Upper

126 100

91 326.1 0.0 667.2





#77
 tert-Butylbenzene
 Concen: 10.63 ug/l
 RT: 11.10 min Scan# 3270
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

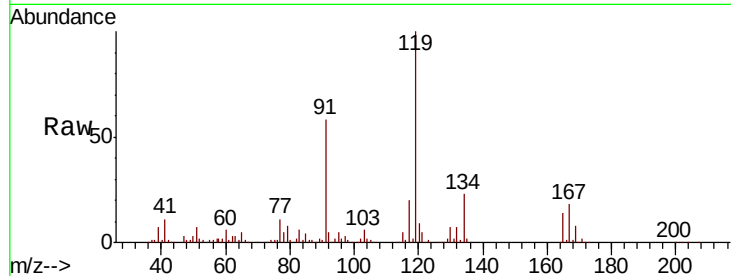
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.7	29.6	88.8
134	23.1	19.1	28.7

Manual Integrations
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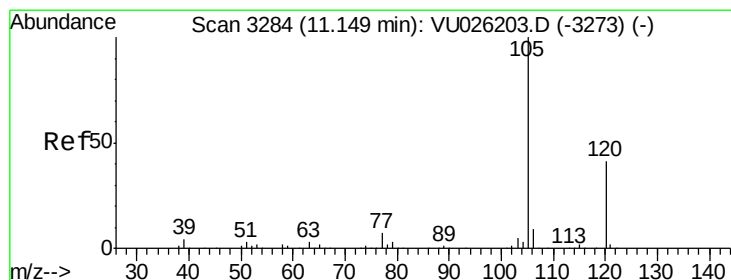
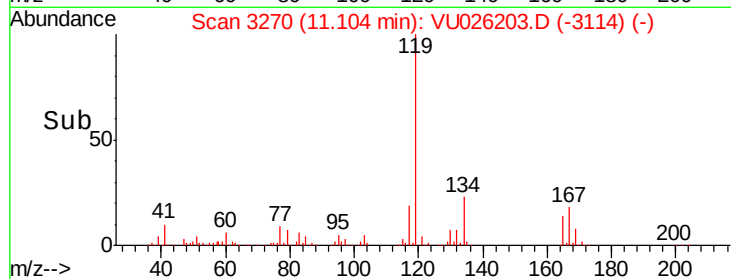
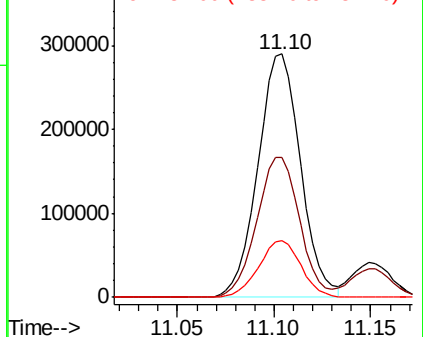


Abundance

Ion 119.00 (118.70 to 119.70): V

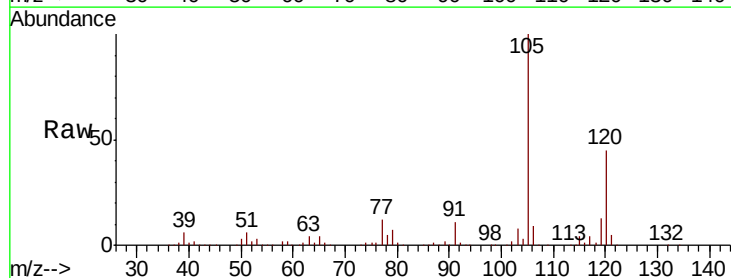
Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78
 1,2,4-Trimethylbenzene
 Concen: 11.05 ug/l
 RT: 11.15 min Scan# 3284
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

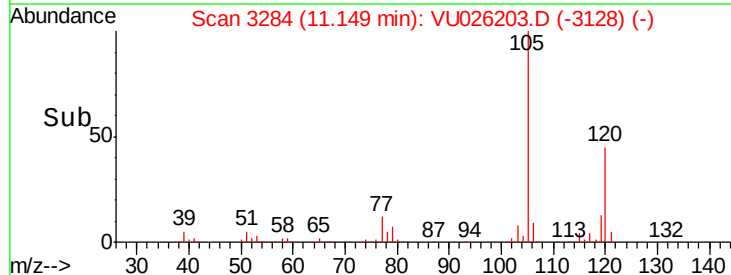
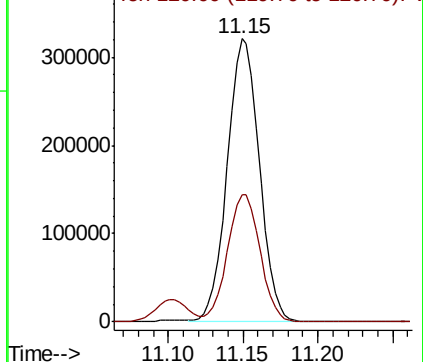
Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.1	69.3

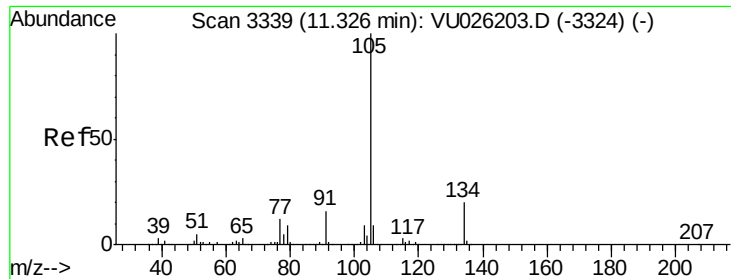


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79
 sec-Butylbenzene
 Concen: 10.72 ug/l
 RT: 11.33 min Scan# 3339
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

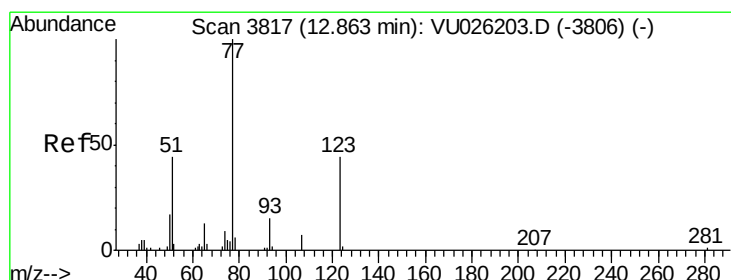
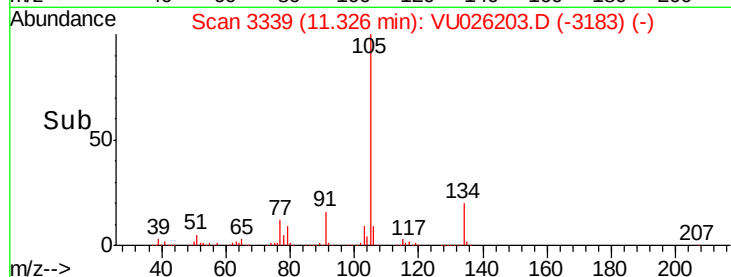
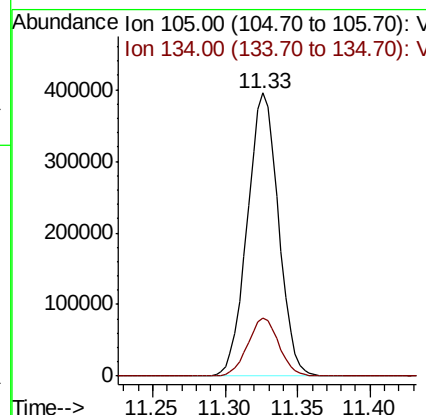
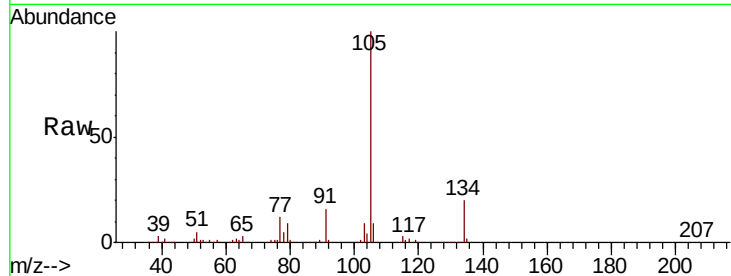
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	15.6	23.4

Manual Integrations
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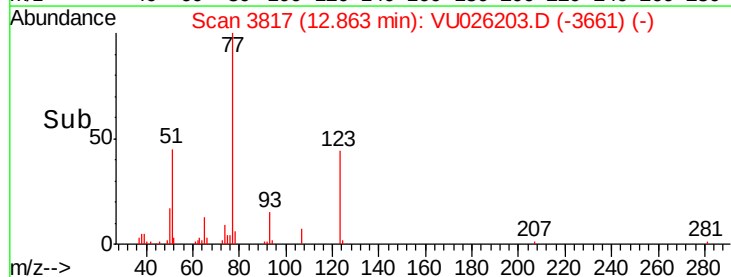
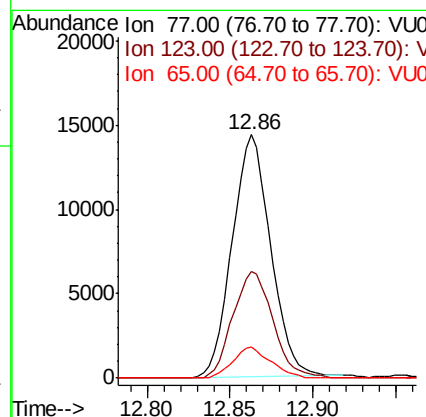
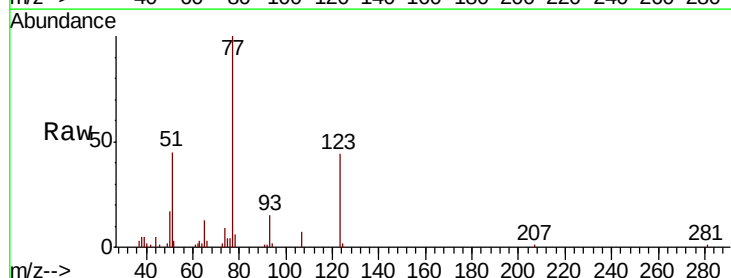
MMDadoda

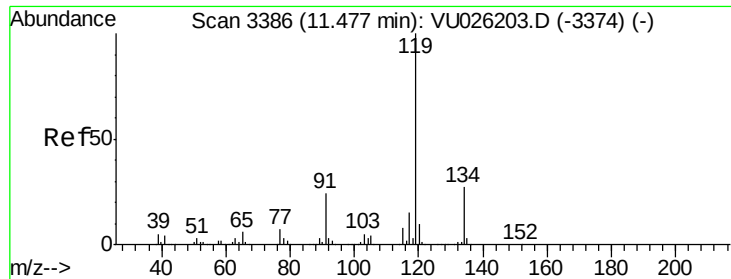
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#80
 Nitrobenzene
 Concen: 81.44 ug/l
 RT: 12.86 min Scan# 3817
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
77	100		
123	45.4	19.4	68.6
65	12.6	11.2	14.2





#81
 p-Isopropyltoluene
 Concen: 10.99 ug/l
 RT: 11.48 min Scan# 3386
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

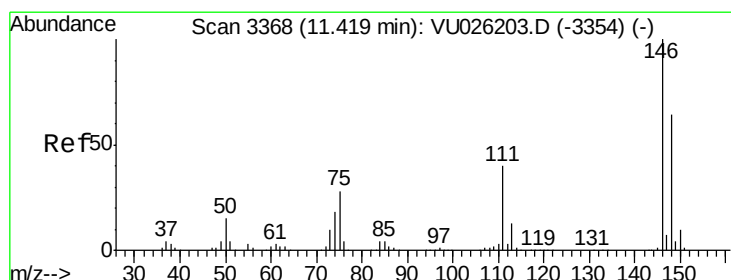
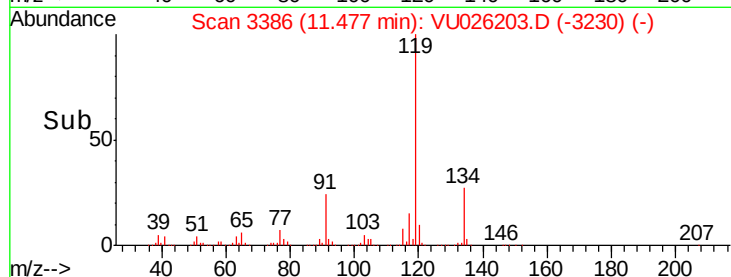
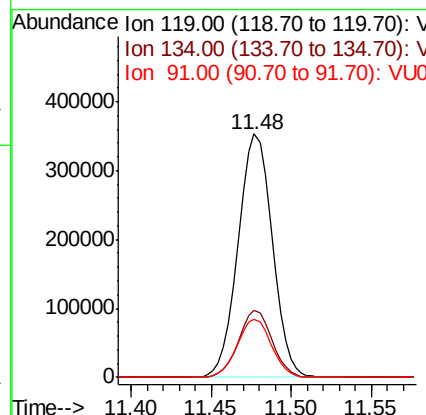
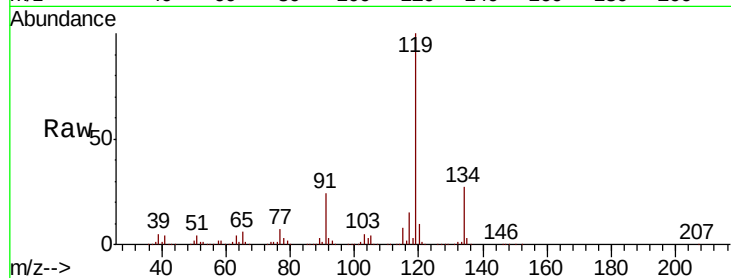
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.9	31.3
91	23.9	18.2	27.2

Manual Integrations
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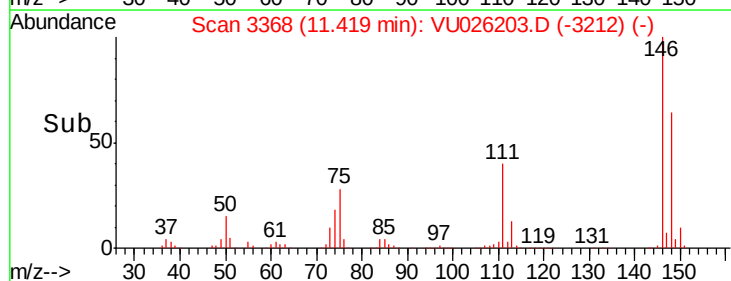
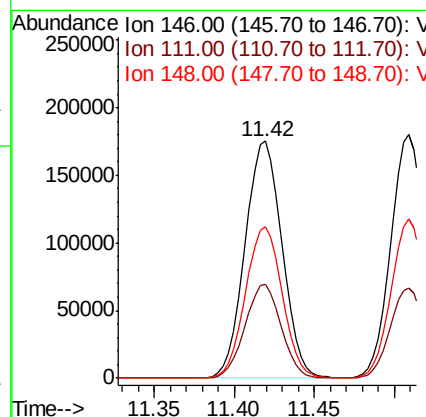
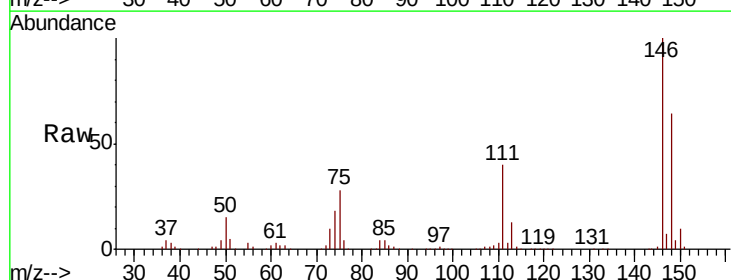
MMDadoda

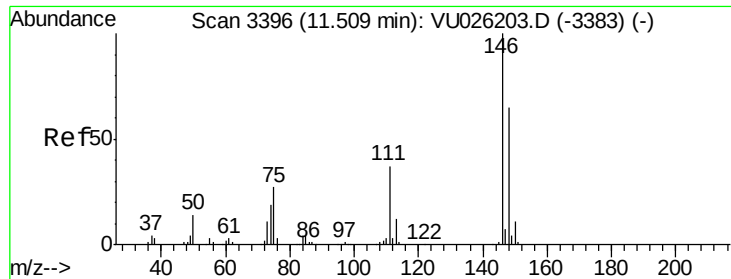
8/21/2018 11:34:26 AM



#82
 1,3-Dichlorobenzene
 Concen: 10.65 ug/l
 RT: 11.42 min Scan# 3368
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	31.8	47.6
148	63.4	51.0	76.4





#83
1,4-Dichlorobenzene
Concen: 10.93 ug/l
RT: 11.51 min Scan# 3396
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

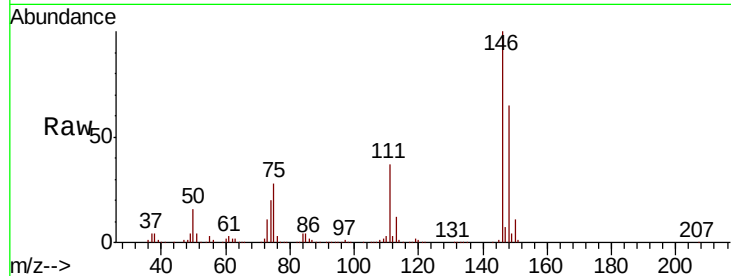
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Resp	Lower	Upper
146	100	277215		
111	37.3		30.1	45.1
148	64.9		50.6	76.0

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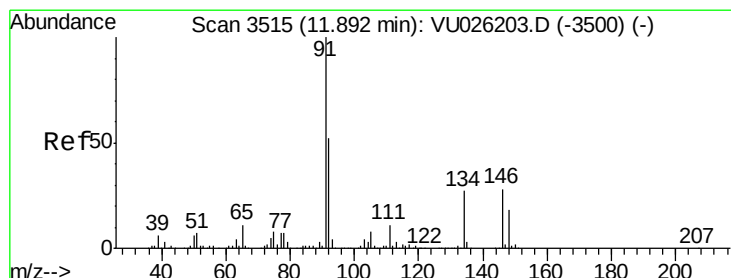
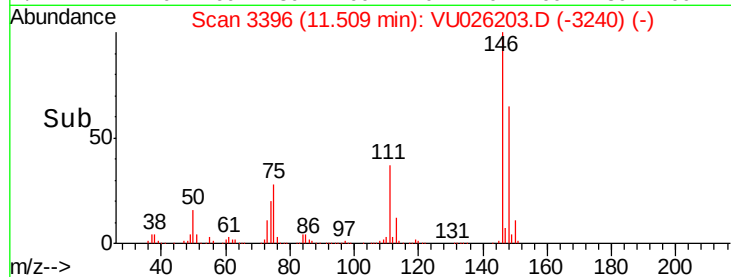
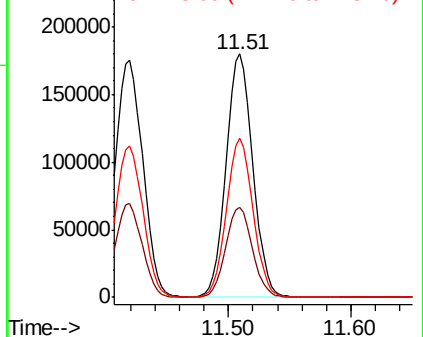


Abundance

Ion 146.00 (145.70 to 146.70): V

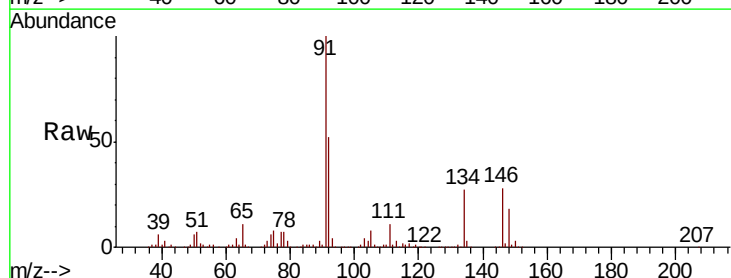
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#84
n-Butylbenzene
Concen: 11.14 ug/l
RT: 11.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	488367		
92	51.8		42.2	63.2
134	26.6		20.3	30.5

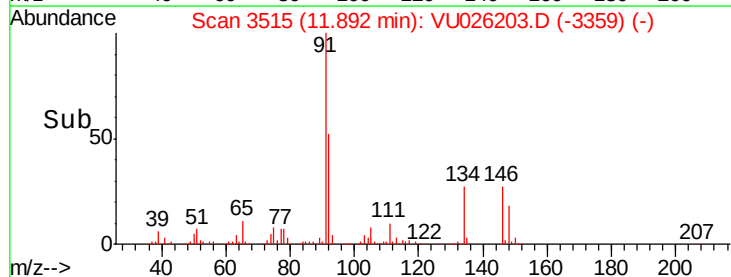
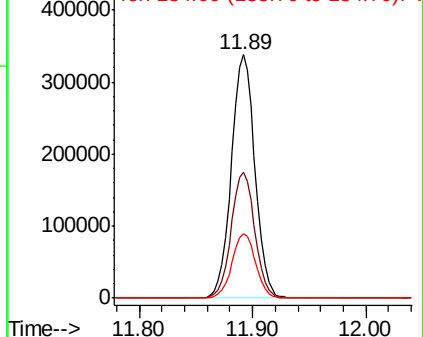


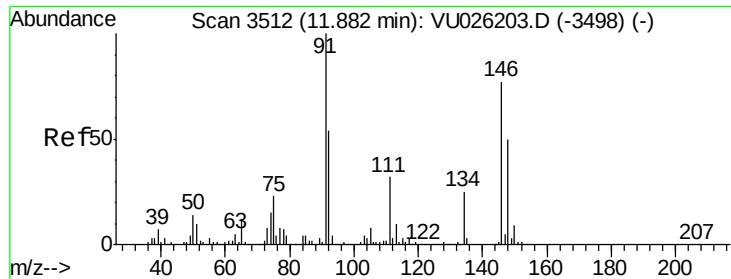
Abundance

Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0

Ion 134.00 (133.70 to 134.70): V





#85
 1,2-Dichlorobenzene
 Concen: 10.61 ug/l
 RT: 11.88 min Scan# 3512
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

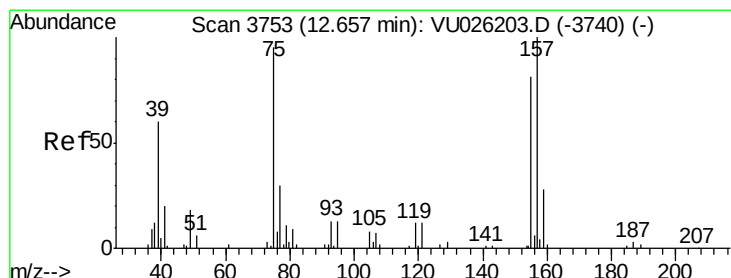
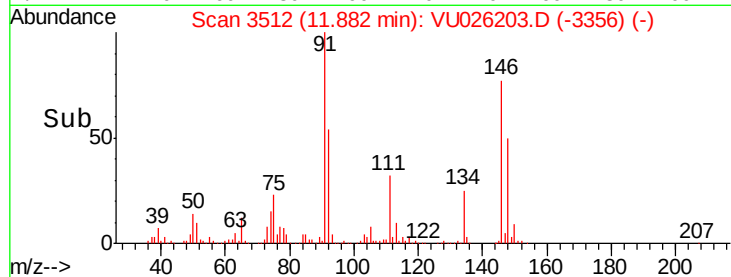
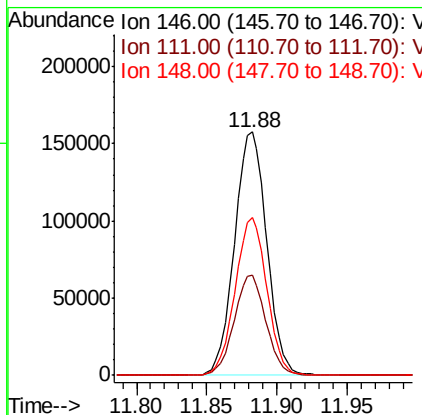
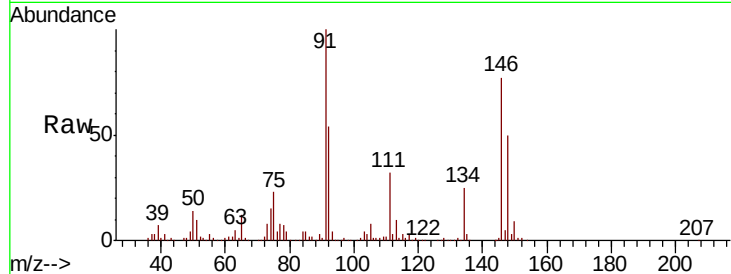
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.7	62.1
148	63.9	31.9	95.5

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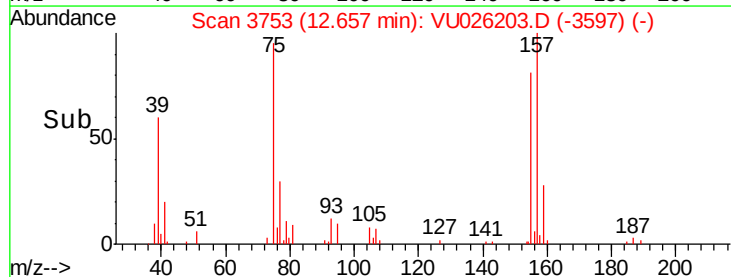
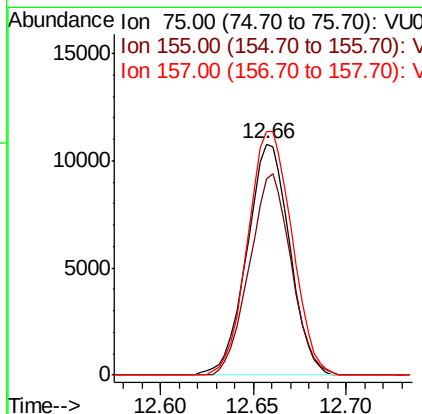
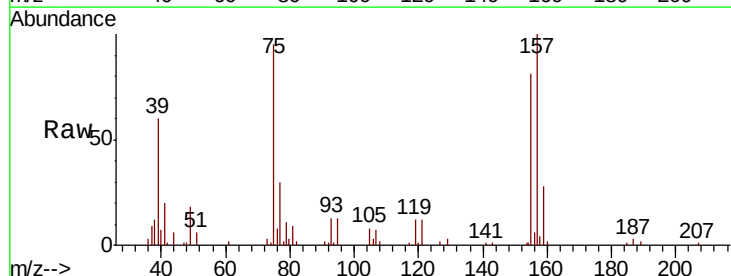
MMDadoda

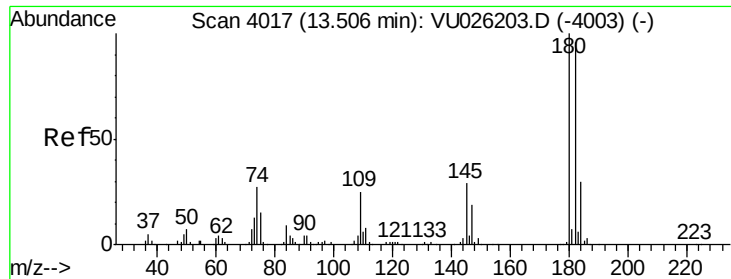
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 11.11 ug/l
 RT: 12.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.1	65.8	98.6
157	109.5	83.5	125.3





#87
 1,2,4-Trichlorobenzene
 Concen: 10.92 ug/l
 RT: 13.51 min Scan# 4017
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

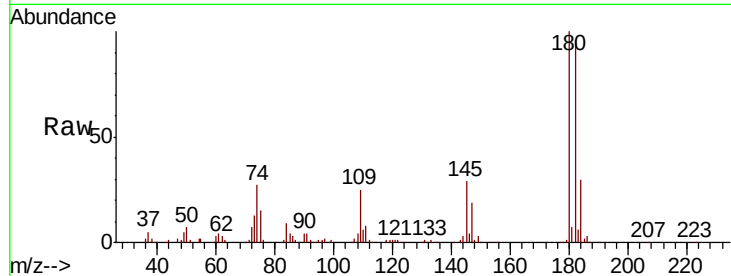
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDICCC010

Tot Ion:	180	Resp:	180499
Ion Ratio	Lower	Upper	
180	100		
182	96.7	77.1	115.7
145	29.6	23.3	34.9

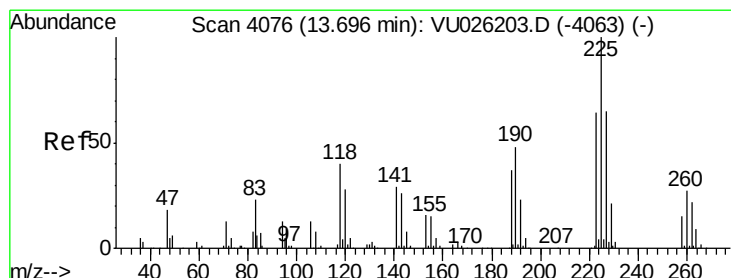
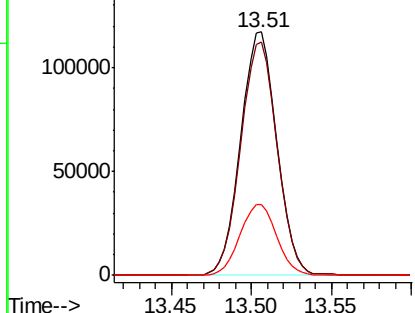
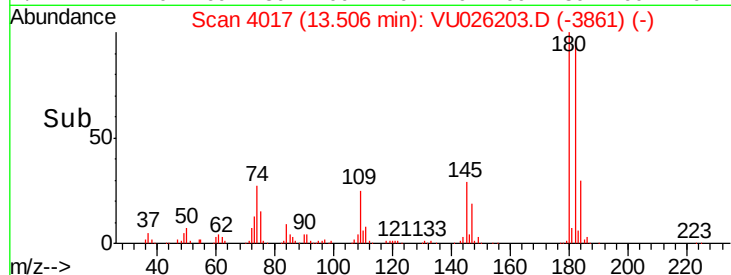
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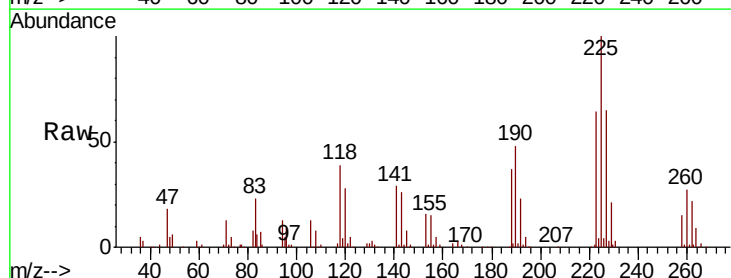


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

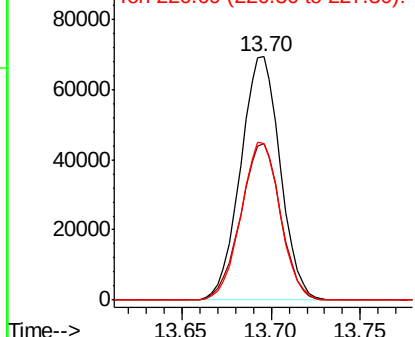
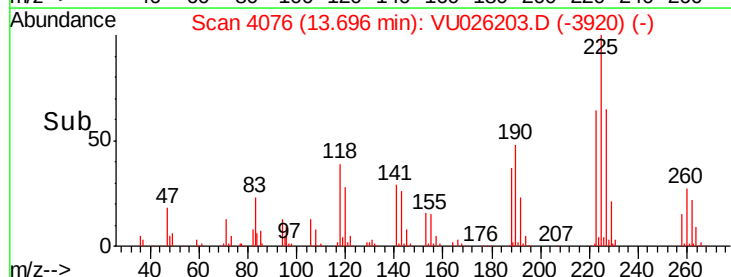


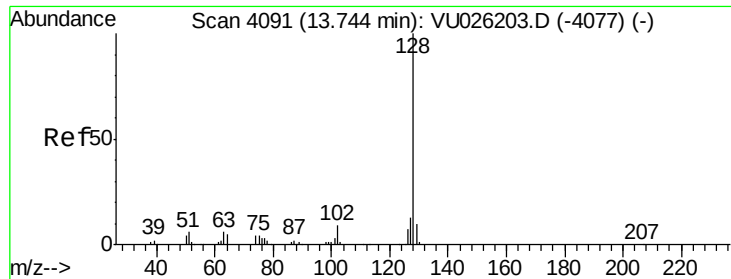
#88
 Hexachlorobutadiene
 Concen: 10.57 ug/l
 RT: 13.70 min Scan# 4076
 Delta R.T. 0.00 min
 Lab File: VU026203.D
 Acq: 20 Aug 2018 12:48

Tgt Ion:	225	Resp:	107386
Ion Ratio	Lower	Upper	
225	100		
223	64.5	50.6	75.8
227	63.8	51.8	77.6



Abundance Ion 224.60 (224.30 to 225.30): V
 Ion 222.60 (222.30 to 223.30): V
 Ion 226.60 (226.30 to 227.30): V





#89
Naphthalene
Concen: 11.46 ug/l
RT: 13.74 min Scan# 4091
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

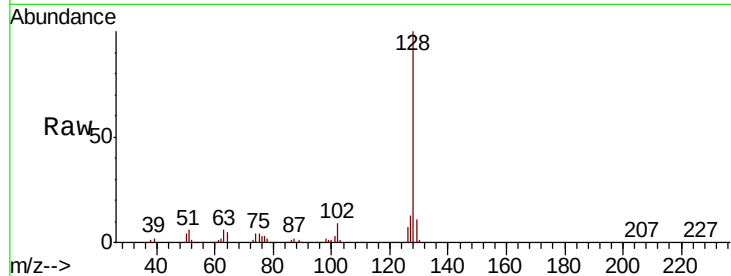
Instrument :
MSVOA_U
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.6	8.7	13.1

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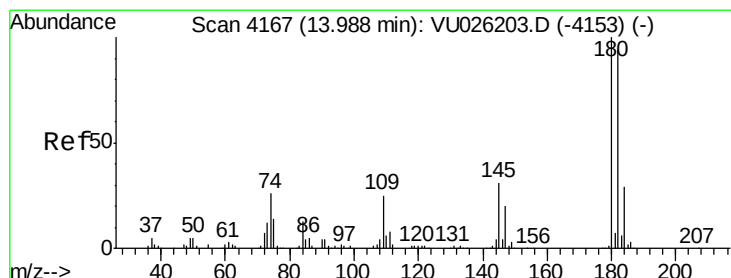
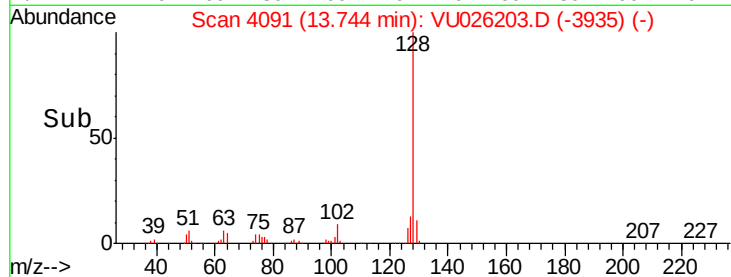
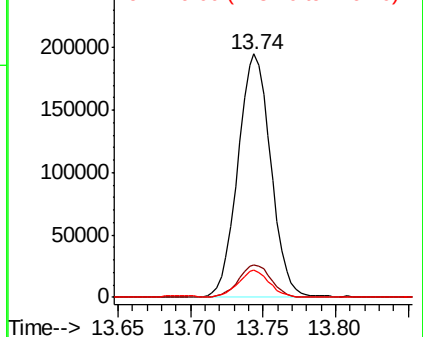


Abundance

Ion 128.00 (127.70 to 128.70): V

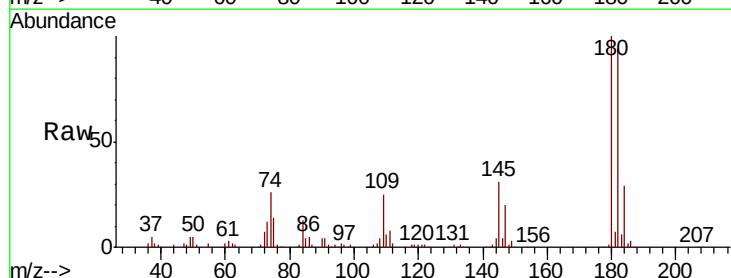
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#90
1,2,3-Trichlorobenzene
Concen: 11.54 ug/l
RT: 13.99 min Scan# 4167
Delta R.T. 0.00 min
Lab File: VU026203.D
Acq: 20 Aug 2018 12:48

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	30.8	24.6	36.8



Abundance

Ion 179.70 (179.40 to 180.40): V

Ion 181.70 (181.40 to 182.40): V

Ion 144.80 (144.50 to 145.50): V

