

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090718\
 Data File : VU026610.D
 Acq On : 07 Sep 2018 09:02
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 9:52:38 AM

Quant Time: Sep 07 12:16:10 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U082018DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Mon Aug 20 13:35:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Fluorobenzene	5.74	96	26773	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	9703	1.01	ug/l	0.00
Spiked Amount	1.000		Recovery	=	101.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10599	0.95	ug/l	0.00
Spiked Amount	1.000		Recovery	=	95.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	82385	7.91	ug/l	100
3) Chloromethane	1.32	50	98767	11.11	ug/l	99
4) Vinyl Chloride	1.40	62	97537	10.97	ug/l	99
5) Bromomethane	1.63	94	45538	9.32	ug/l	99
6) Chloroethane	1.70	64	60114	11.29	ug/l	98
7) Trichlorofluoromethane	1.89	101	123753	9.42	ug/l	100
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	72753	9.99	ug/l	98
9) 1,1-Dichloroethene	2.29	96	62923	10.12	ug/l	97
10) Iodomethane	2.41	142	57413	5.98	ug/l	99
11) Allyl Chloride	2.59	41	121295	11.60	ug/l	97
12) Acrylonitrile	2.95	53	35141	24.93	ug/l	96
13) Acetone	2.35	43	116620	109.79	ug/l	97
14) Carbon Disulfide	2.48	76	219446	10.21	ug/l	100
15) Methylene Chloride	2.70	84	73661	11.38	ug/l	96
16) trans-1,2-Dichloroethene	2.98	96	70281	9.77	ug/l	98
17) 1,1-Dichloroethane	3.44	63	141588	10.76	ug/l	99
18) 2-Butanone	4.30	43	124721	61.81	ug/l	99
19) Cyclohexane	4.99	56	95487	9.87	ug/l	91
20) Methylcyclohexane	6.41	83	111390	9.83	ug/l	96
21) 2,2-Dichloropropane	4.23	77	106028	7.84	ug/l	100
22) cis-1,2-Dichloroethene	4.22	96	71812	8.22	ug/l	96
23) Diethyl Ether	2.11	59	53371	11.21	ug/l	97
24) tert-Butyl Alcohol	2.91	59	48512m	99.56	ug/l	
25) Methyl tert-Butyl Ether	3.01	73	168967	10.42	ug/l	99
26) Bromochloromethane	4.55	128	30214	7.74	ug/l	91
27) Chloroform	4.67	83	121372	7.97	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	104030	7.69	ug/l	99
29) 1,1-Dichloropropene	5.13	75	94789	8.88	ug/l	99
30) Carbon Tetrachloride	5.13	117	94142	7.38	ug/l	99
31) Isopropyl Ether	3.58	45	202444	9.34	ug/l	97
32) Ethyl-t-butyl ether	4.08	59	173783	9.15	ug/l	97
33) Tert-Amyl methyl ether	5.59	73	149283	9.20	ug/l	99
34) Propionitrile	4.36	54	29903	52.03	ug/l #	89
35) Benzene	5.39	78	272735	8.84	ug/l	99
36) 1,2-Dichloroethane	5.41	62	78183	8.18	ug/l	99
37) Trichloroethene	6.19	130	70877	8.16	ug/l	100
38) 1,2-Dichloropropane	6.44	63	73192	9.16	ug/l	98
39) Methacrylonitrile	4.56	41	22752	9.38	ug/l	91
40) Methyl acrylate	4.43	55	37135	10.10	ug/l	98
41) Tetrahydrofuran	4.67	42	24743	18.34	ug/l	92
42) 1-Chlorobutane	5.07	56	132636	9.18	ug/l	97

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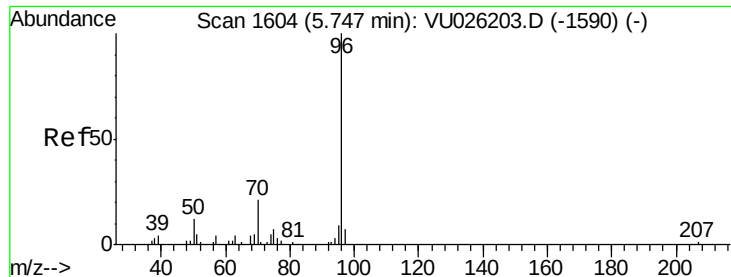
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	35476	8.36	ug/l	99
44) Bromodichloromethane	6.76	83	89463	8.16	ug/l	100
45) 4-Methyl-2-Pentanone	7.47	43	224356	52.14	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	32427m	15.05	ug/l	
47) Methyl methacrylate	6.63	69	64480	19.88	ug/l	96
48) Ethyl methacrylate	8.02	69	61926	10.43	ug/l	99
49) Toluene	7.64	92	162630	9.23	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	82765	8.85	ug/l	100
51) cis-1,3-Dichloropropene	7.27	75	98356	9.07	ug/l	99
52) 1,1,2-Trichloroethane	8.07	97	48102	8.35	ug/l	99
53) 1,3-Dichloropropane	8.24	76	83787	8.76	ug/l	100
54) 2-Hexanone	8.37	43	188951	61.67	ug/l	99
55) Dibromochloromethane	8.48	129	59371	7.71	ug/l	98
56) 1,2-Dibromoethane	8.59	107	45467	8.12	ug/l	100
58) Tetrachloroethene	8.23	164	64418	7.85	ug/l	97
59) Chlorobenzene	9.12	112	177174	8.68	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	65515	8.05	ug/l	99
61) Pentachloroethane	11.10	117	54143	7.80	ug/l	98
62) Hexachloroethane	12.15	117	56006	8.09	ug/l	100
63) Ethyl Benzene	9.25	91	308873	9.54	ug/l	99
64) m/p-Xylenes	9.38	106	245303	18.98	ug/l	97
65) o-Xylene	9.78	106	116844	9.48	ug/l	99
66) Styrene	9.79	104	197725	9.37	ug/l	99
67) Bromoform	9.96	173	35696	7.87	ug/l	99
69) Isopropylbenzene	10.17	105	305781	9.39	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	63183	8.75	ug/l	100
71) 1,2,3-Trichloropropane	10.50	75	47733m	9.23	ug/l	
72) Bromobenzene	10.45	156	75627	8.29	ug/l	99
73) n-propylbenzene	10.59	120	87237	9.16	ug/l	99
74) 2-Chlorotoluene	10.66	126	76461	8.90	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	269921	9.32	ug/l	99
76) 4-Chlorotoluene	10.77	126	78739	8.91	ug/l	95
77) tert-Butylbenzene	11.10	119	263253	9.13	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	276753	9.24	ug/l	100
79) sec-Butylbenzene	11.32	105	350409	9.27	ug/l	99
80) Nitrobenzene	12.86	77	13367	42.36	ug/l	96
81) p-Isopropyltoluene	11.48	119	294292	9.21	ug/l	99
82) 1,3-Dichlorobenzene	11.42	146	152550	7.94	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	151413	7.90	ug/l	99
84) n-Butylbenzene	11.89	91	278934	9.02	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	142849	8.10	ug/l	98
86) 1,2-Dibromo-3-Chloropropan	12.66	75	9990	7.86	ug/l	94
87) 1,2,4-Trichlorobenzene	13.50	180	100640	8.11	ug/l	100
88) Hexachlorobutadiene	13.69	225	61426	8.10	ug/l	99
89) Naphthalene	13.74	128	175680	8.99	ug/l	100
90) 1,2,3-Trichlorobenzene	13.99	180	96730	8.28	ug/l	99

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



#1

Fluorobenzene

Concen: 1.00 ug/l

RT: 5.74 min Scan# 1421

Delta R.T. -0.01 min

Lab File: VU026610.D

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Instrument :

MSVOA_U

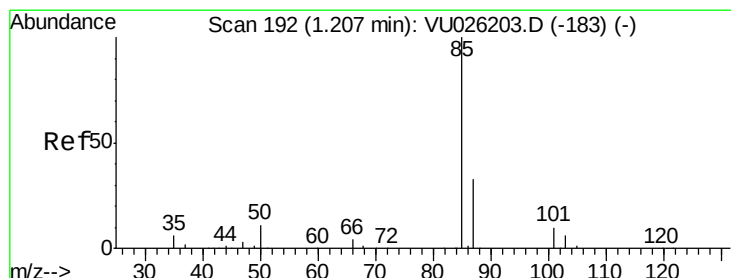
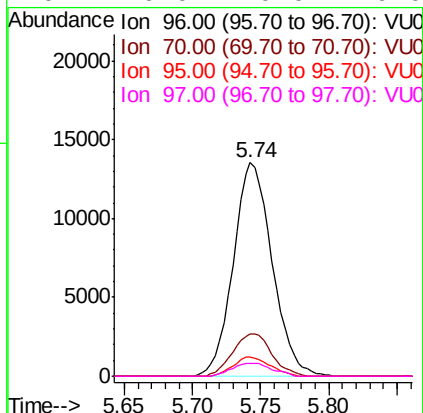
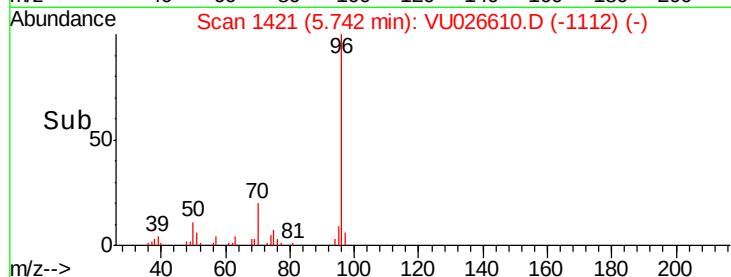
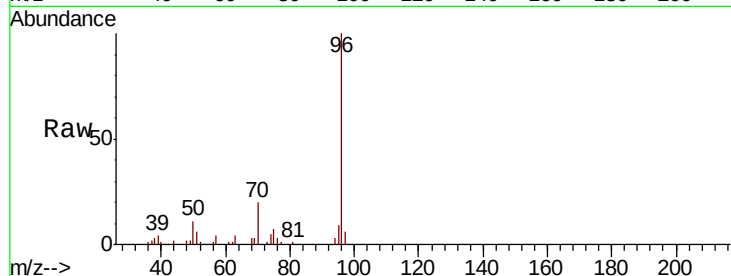
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		26773		
70	20.1	16.2	24.4		
95	8.6	6.9	10.3		
97	0.0	0.0	0.0		

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#2

Dichlorodifluoromethane

Concen: 7.91 ug/l

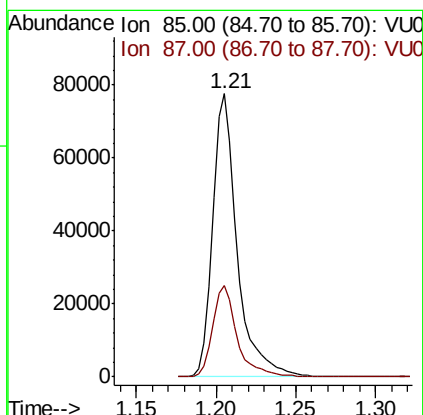
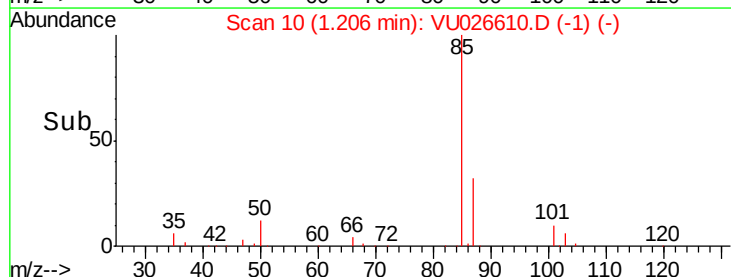
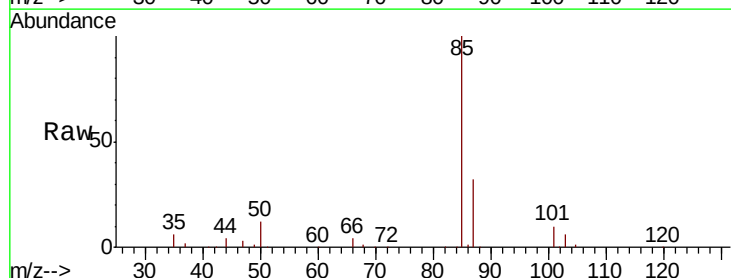
RT: 1.21 min Scan# 10

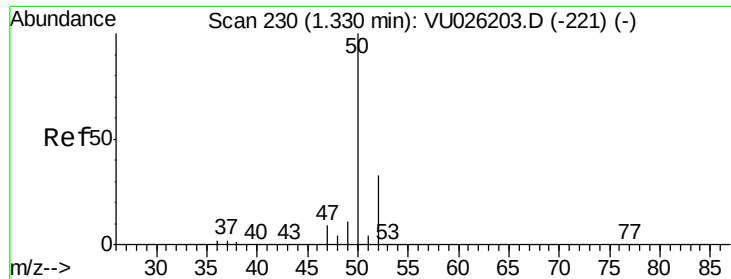
Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		82385		
87	32.4	16.2	48.5		





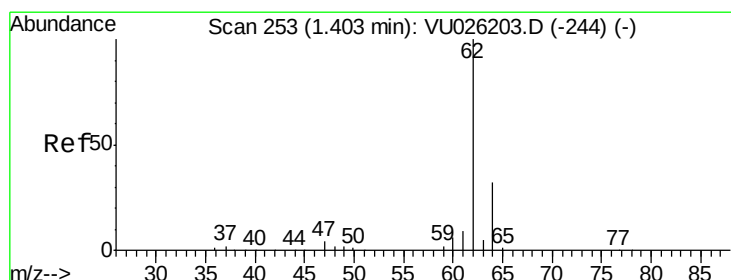
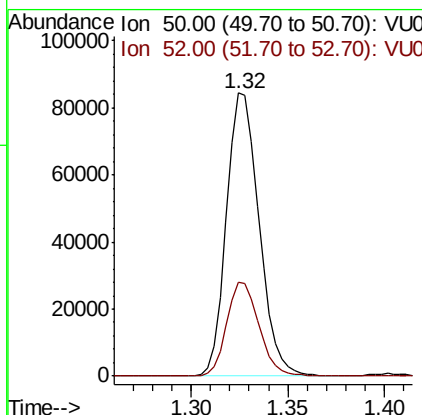
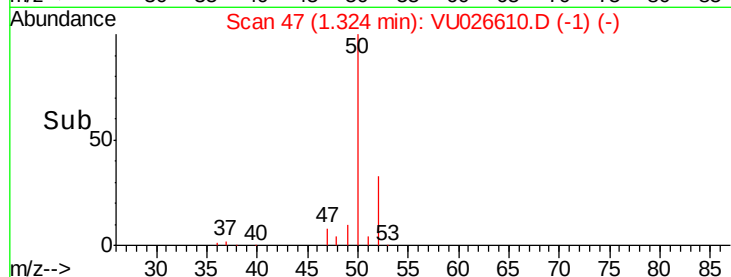
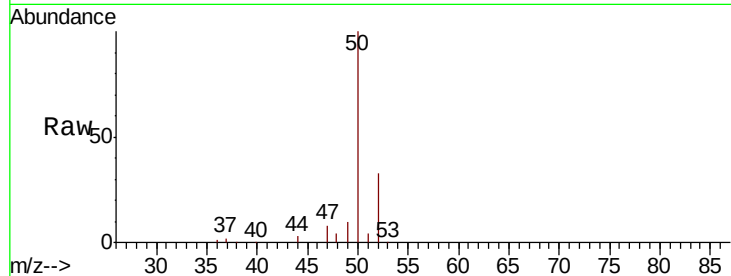
#3
Chloromethane
Concen: 11.11 ug/l
RT: 1.32 min Scan# 47
Delta R.T. -0.01 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0

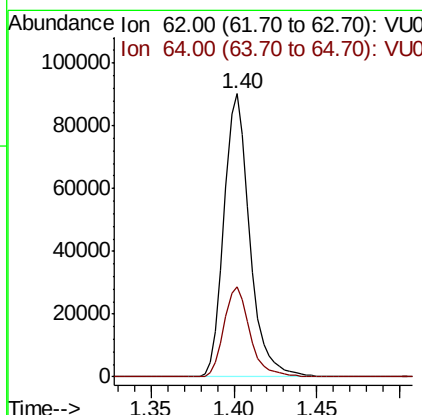
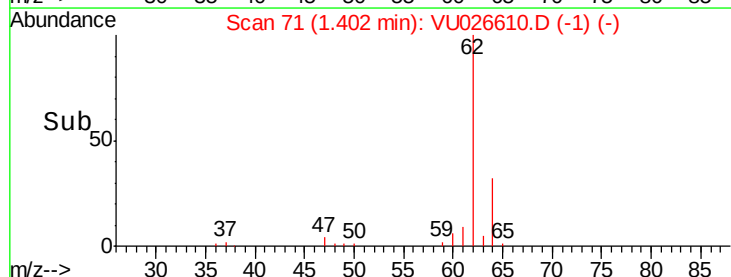
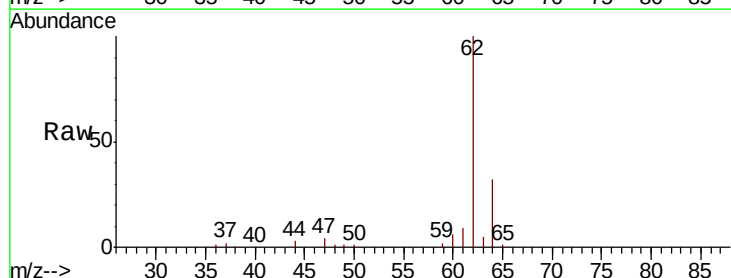
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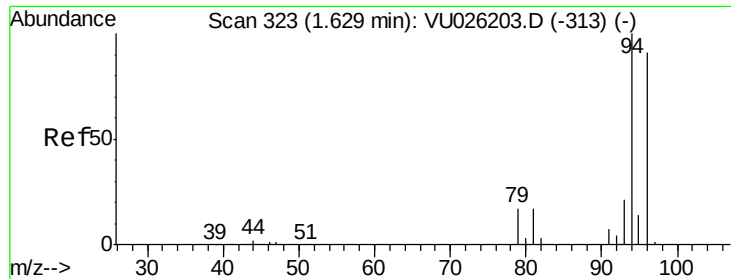
MMDadoda
9/10/2018 9:52:38 AM



#4
Vinyl Chloride
Concen: 10.97 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.8	38.8





#5

Bromomethane

Concen: 9.32 ug/l

RT: 1.63 min Scan# 142

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 94 Resp: 45538

Ion Ratio Lower Upper

94 100

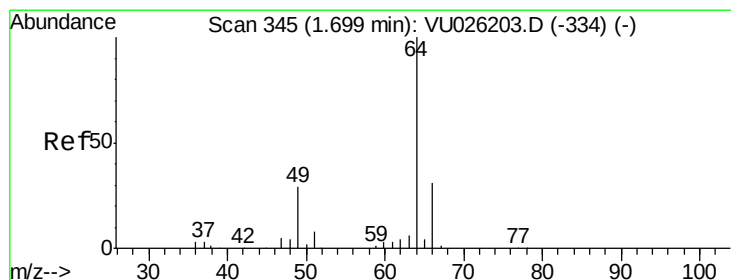
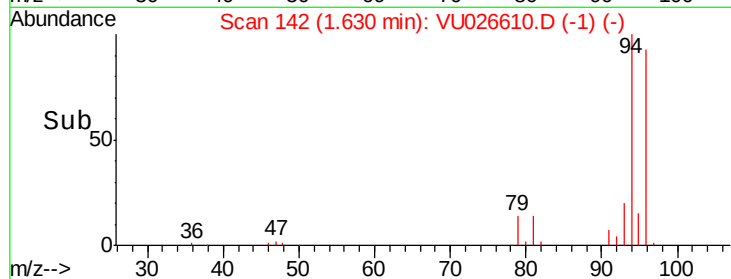
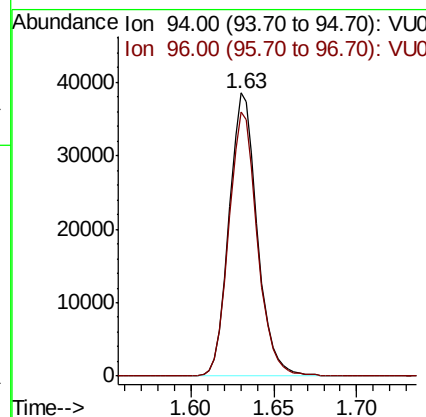
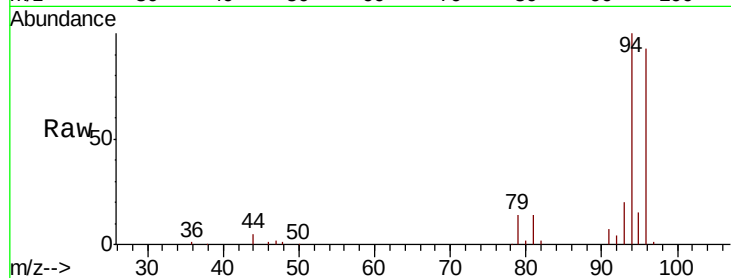
96 93.3 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 11.29 ug/l

RT: 1.70 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU026610.D

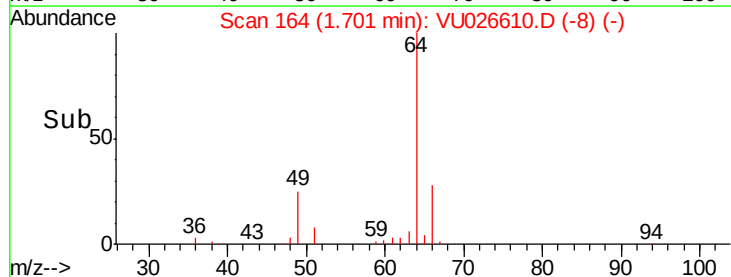
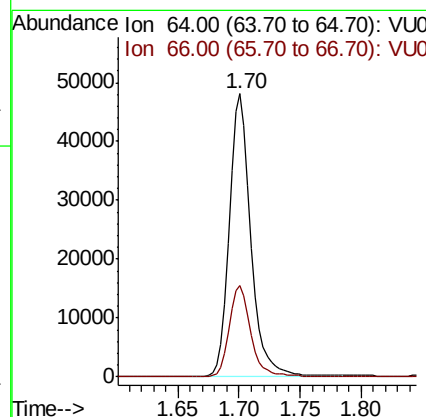
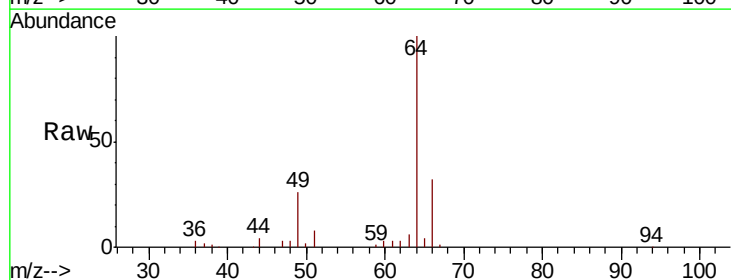
Acq: 07 Sep 2018 09:02

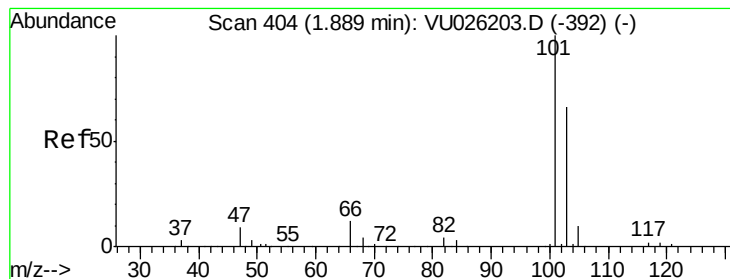
Tgt Ion: 64 Resp: 60114

Ion Ratio Lower Upper

64 100

66 32.2 24.9 37.3





#7

Trichlorofluoromethane

Concen: 9.42 ug/l

RT: 1.89 min Scan# 222

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:101 Resp: 123753

Ion Ratio Lower Upper

101 100

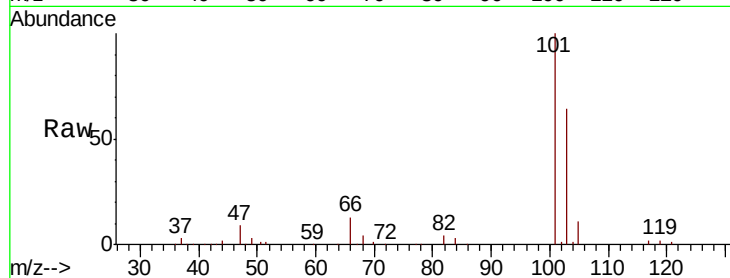
103 64.4 51.4 77.0

Manual Integrations

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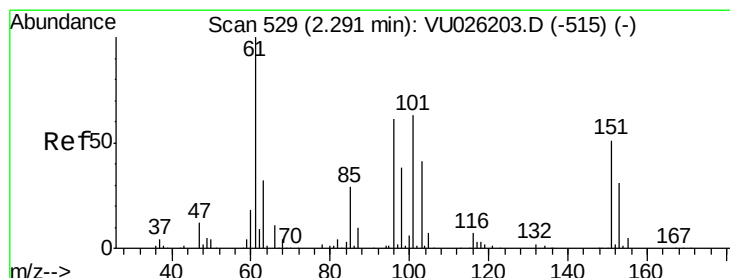
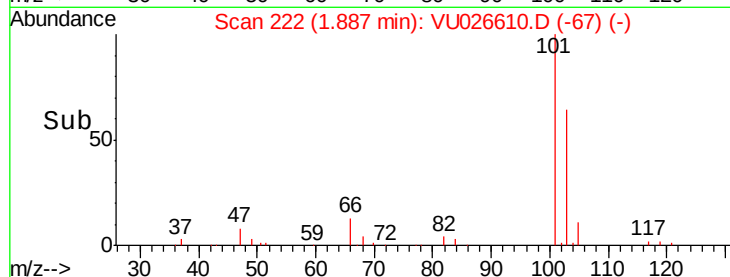
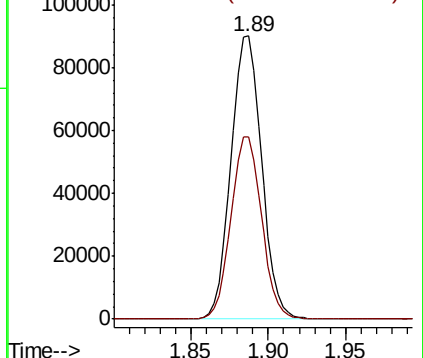
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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

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

Concen: 9.99 ug/l

RT: 2.29 min Scan# 347

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

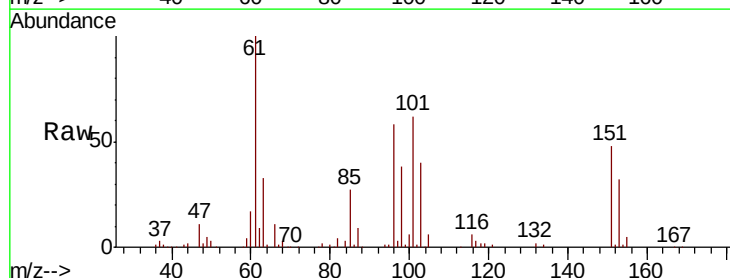
Tgt Ion:101 Resp: 72753

Ion Ratio Lower Upper

101 100

85 43.2 35.2 52.8

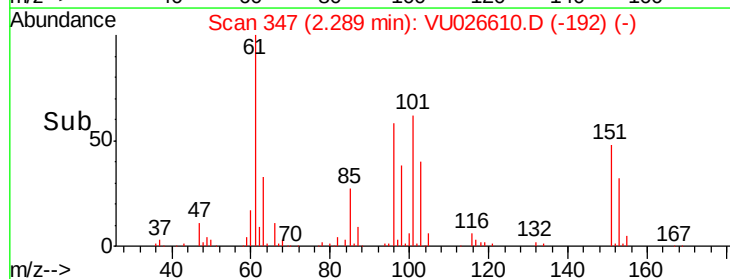
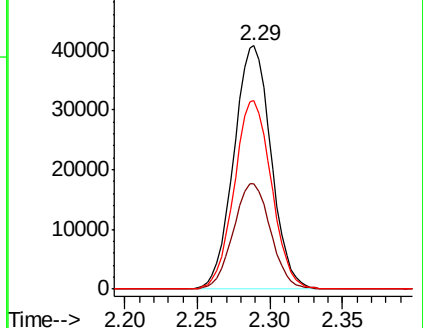
151 77.5 63.5 95.3

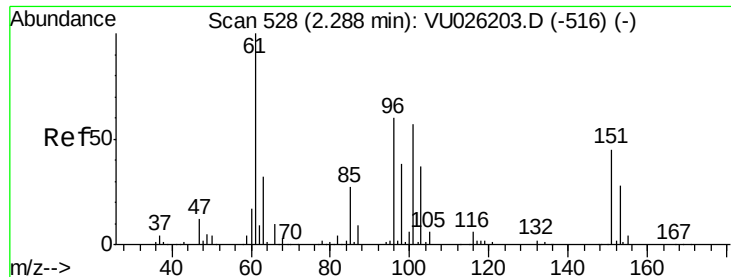


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#9

1,1-Dichloroethene

Concen: 10.12 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

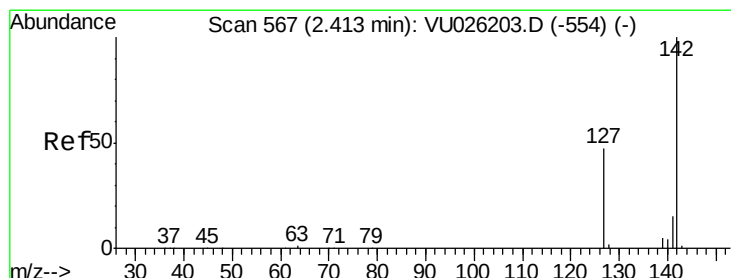
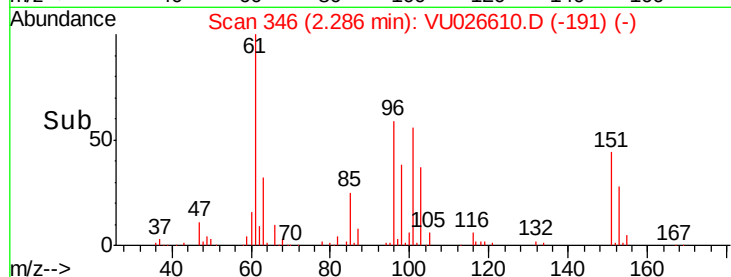
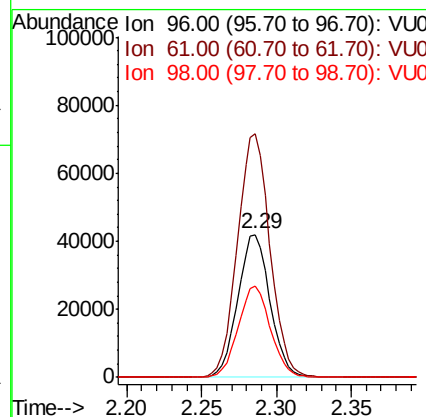
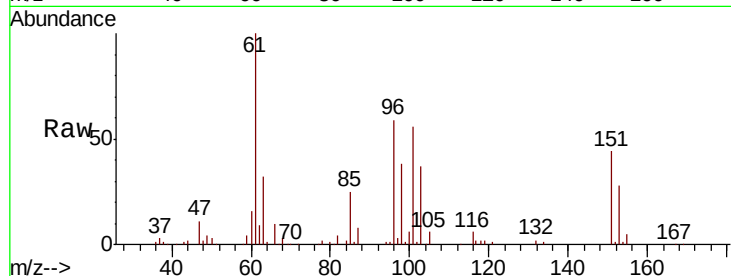
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	62923
Ion	Ratio	Lower	Upper
96	100		
61	170.5	0.0	526.5
98	64.0	0.0	123.4

Manual Integrations
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9/10/2018 9:52:38 AM



#10

Iodomethane

Concen: 5.98 ug/l

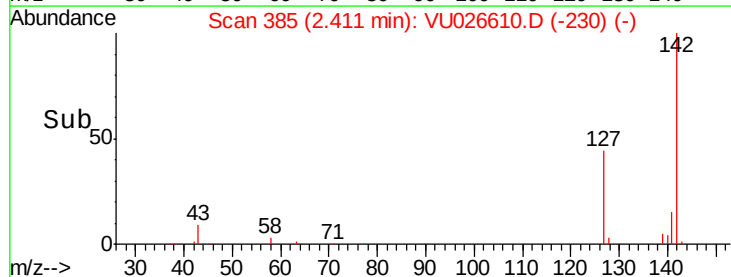
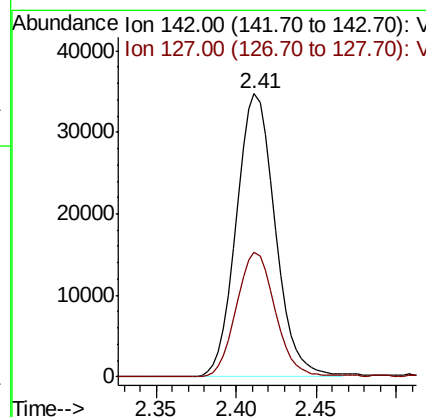
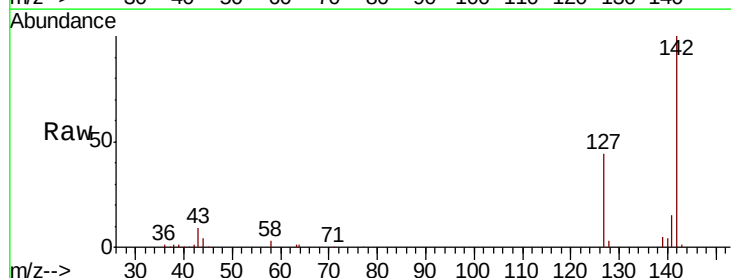
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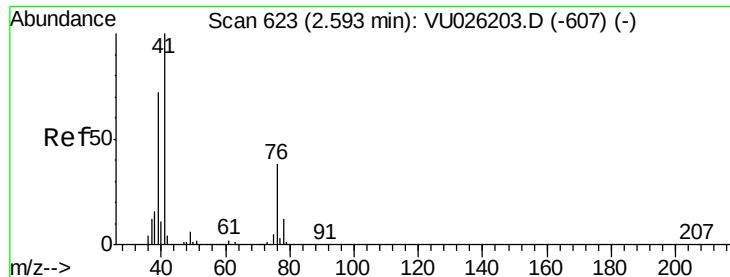
Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Tgt Ion:	142	Resp:	57413
Ion	Ratio	Lower	Upper
142	100		
127	43.9	34.5	51.7





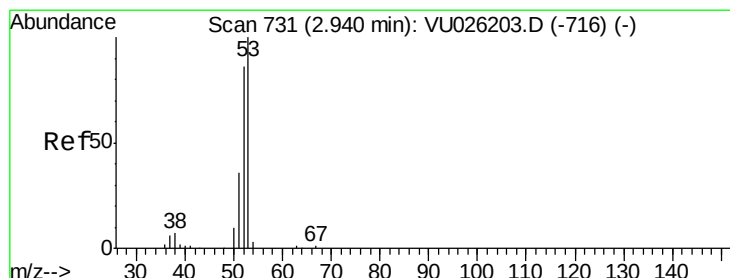
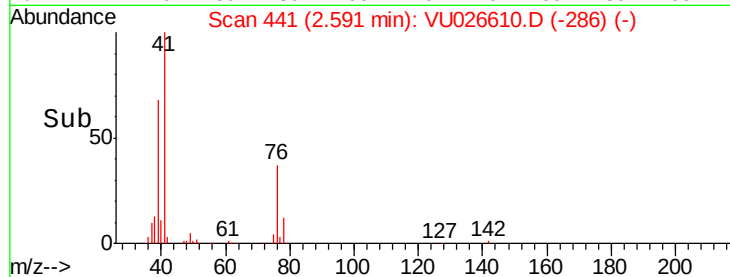
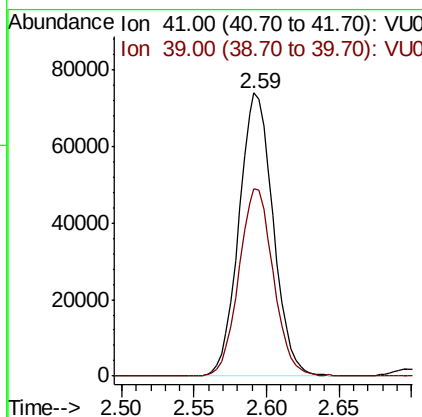
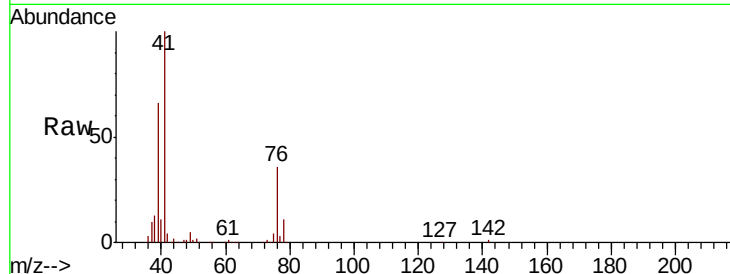
#11
 Allvl Chloride
 Concen: 11.60 ug/l
 RT: 2.59 min Scan# 441
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.6	51.4	77.2

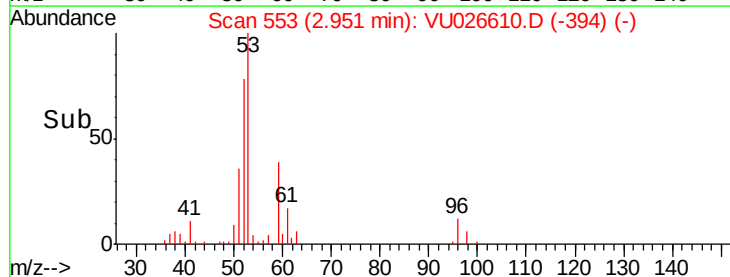
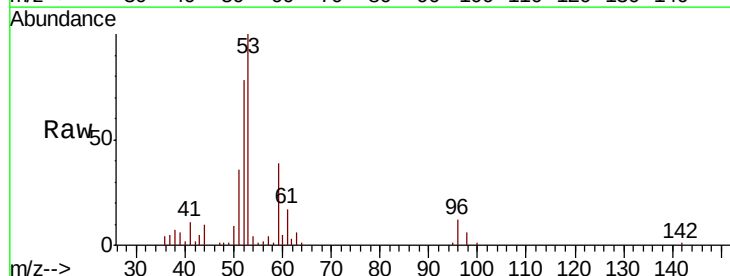
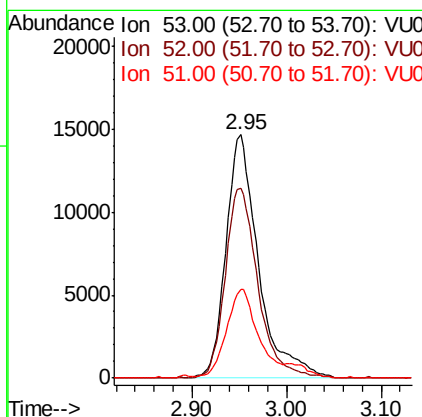
Manual Integrations
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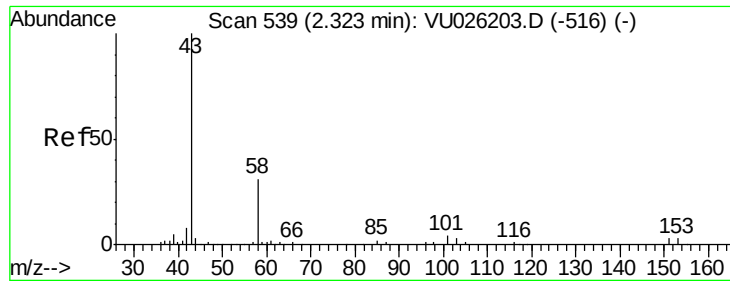
MMDadoda
 9/10/2018 9:52:38 AM



#12
 Acrylonitrile
 Concen: 24.93 ug/l
 RT: 2.95 min Scan# 553
 Delta R.T. 0.01 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
53	100		
52	78.3	65.1	97.7
51	33.8	30.2	45.4





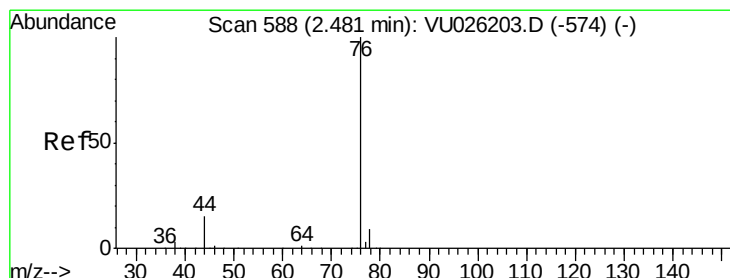
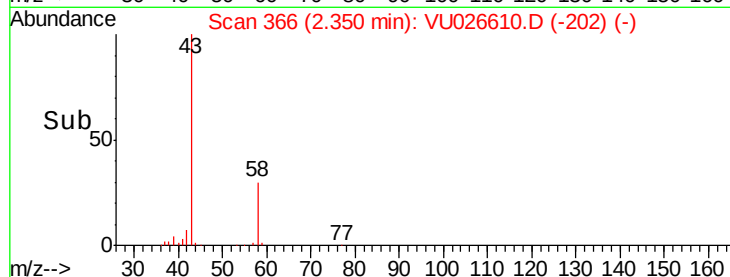
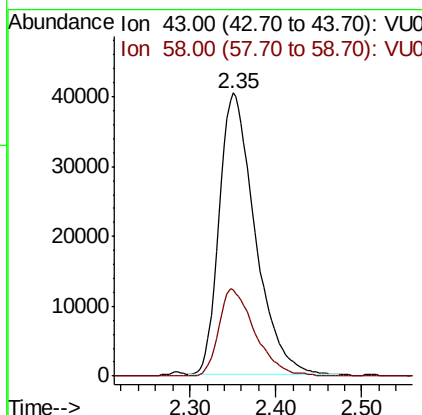
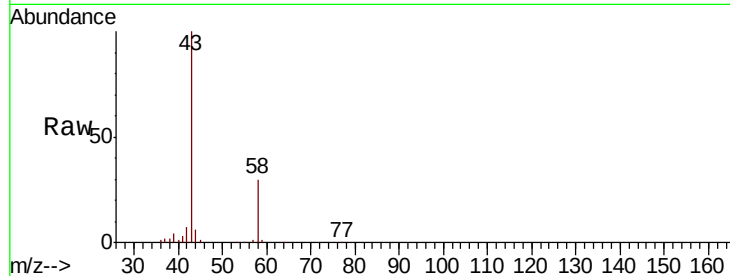
#13
Acetone
Concen: 109.79 ug/l
RT: 2.35 min Scan# 366
Delta R.T. 0.03 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.0	39.0

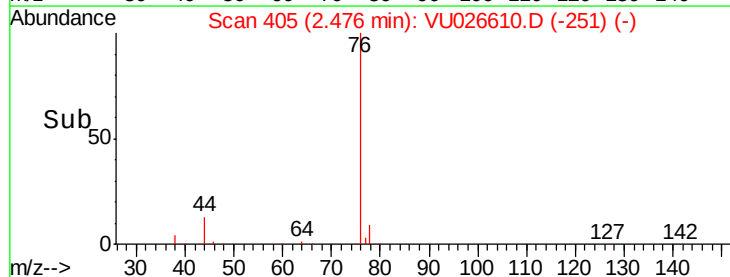
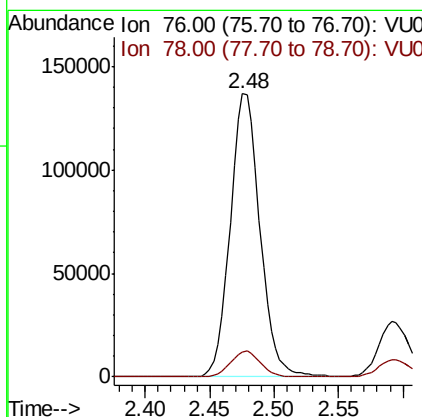
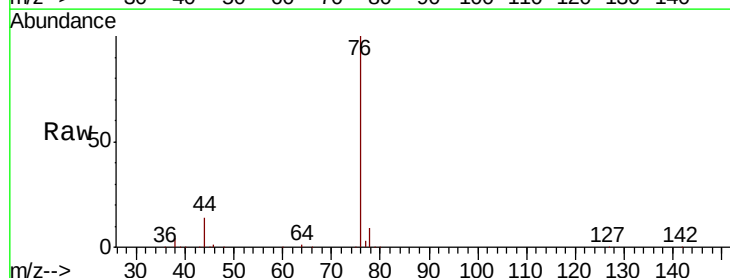
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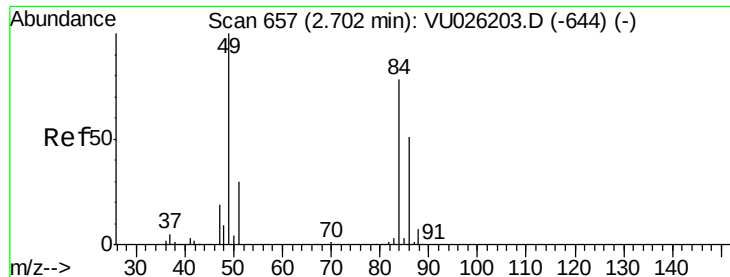
MMDadoda
9/10/2018 9:52:38 AM



#14
Carbon Disulfide
Concen: 10.21 ug/l
RT: 2.48 min Scan# 405
Delta R.T. -0.01 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9





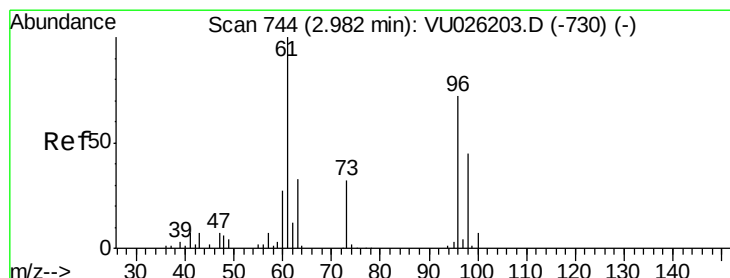
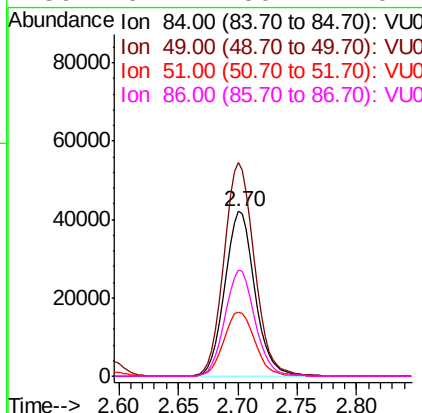
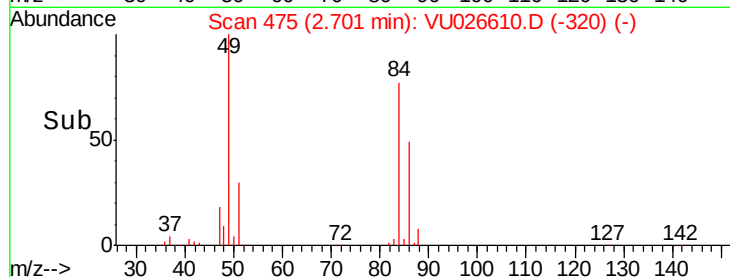
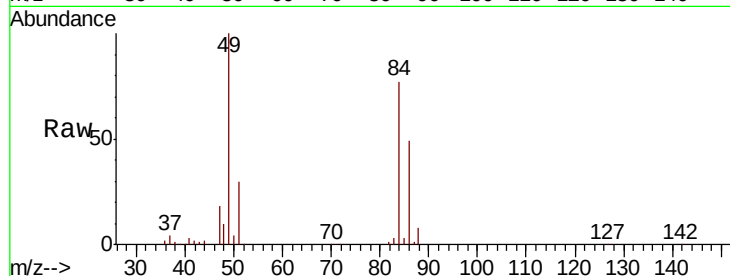
#15
Methylene Chloride
Concen: 11.38 ug/l
RT: 2.70 min Scan# 475
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion:	84	Resp:	73661
Ion	Ratio	Lower	Upper
84	100		
49	129.7	108.7	163.1
51	39.2	0.0	82.4
86	64.1	50.7	76.1

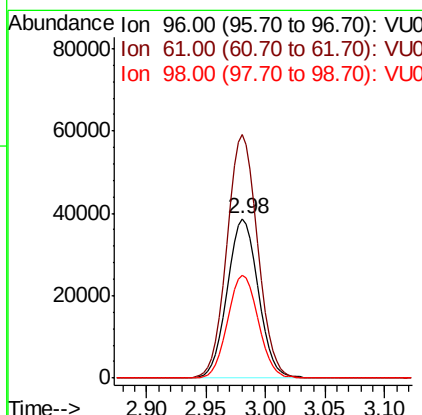
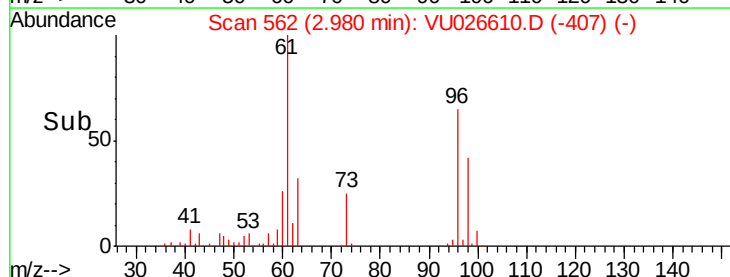
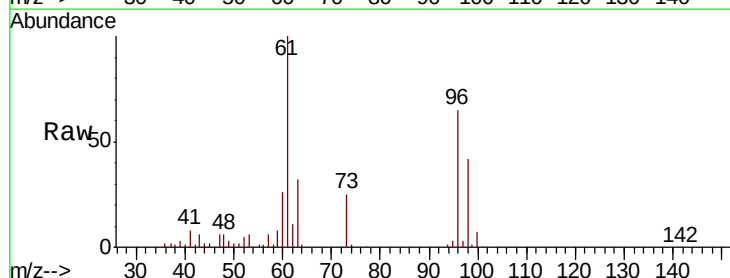
Manual Integrations
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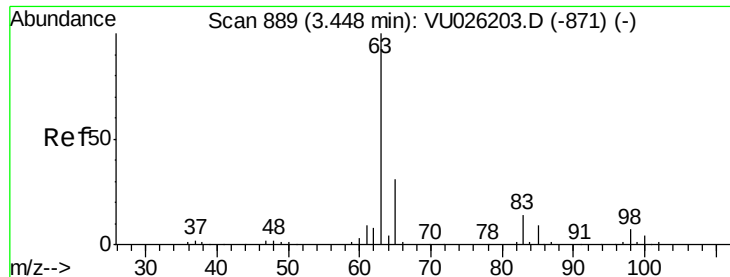
MMDadoda
9/10/2018 9:52:38 AM



#16
trans-1,2-Dichloroethene
Concen: 9.77 ug/l
RT: 2.98 min Scan# 562
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion:	96	Resp:	70281
Ion	Ratio	Lower	Upper
96	100		
61	152.8	123.9	185.9
98	64.8	50.6	76.0





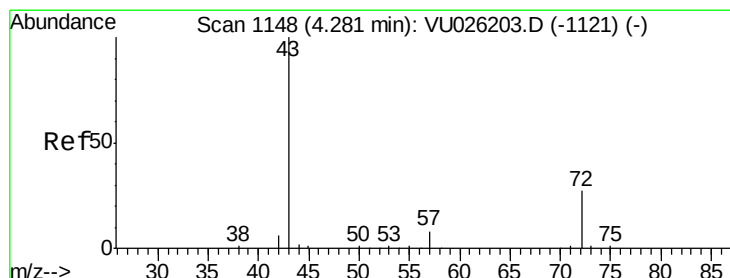
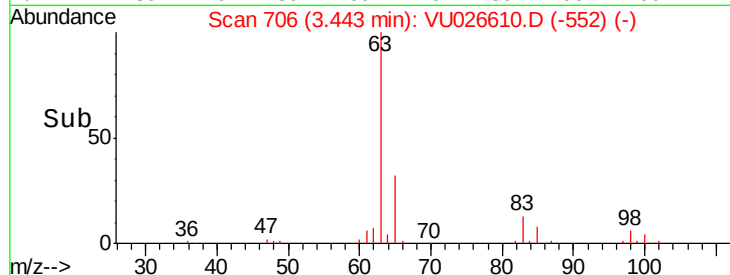
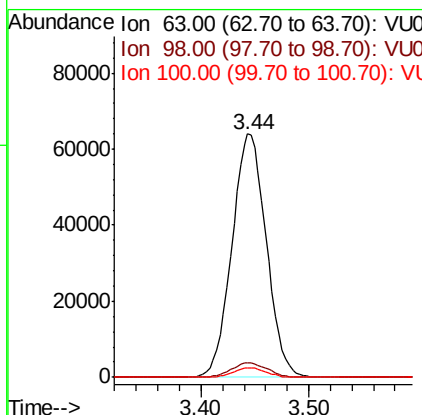
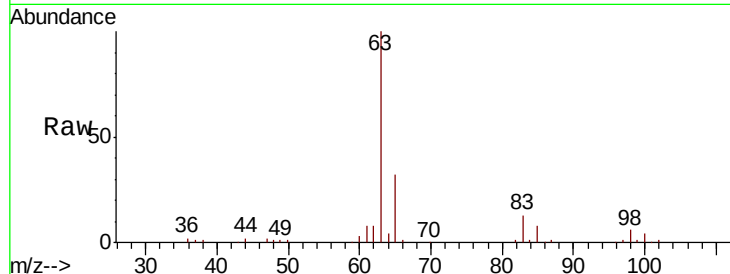
#17
 1,1-Dichloroethane
 Concen: 10.76 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion:	63	Resp:	141588
Ion Ratio	Lower	Upper	
63	100		
98	6.2	2.9	8.8
100	3.8	2.0	5.8

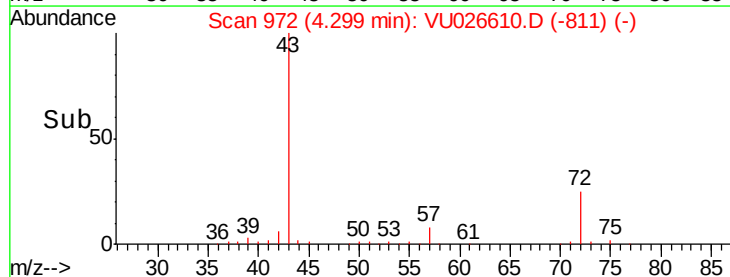
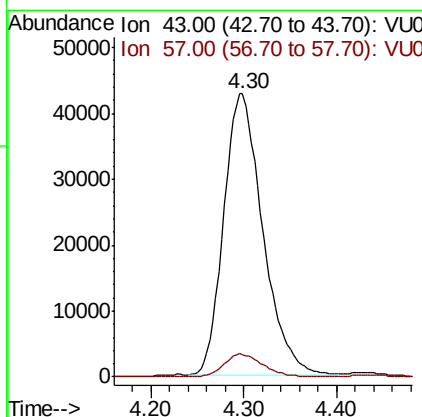
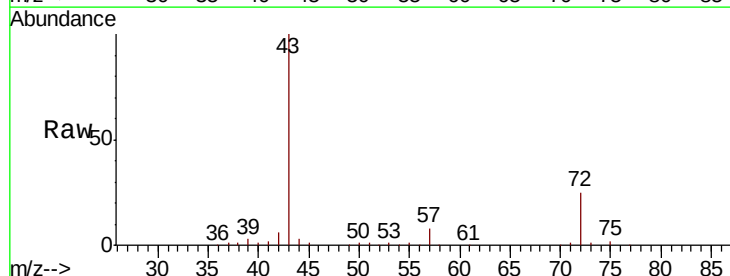
Manual Integrations
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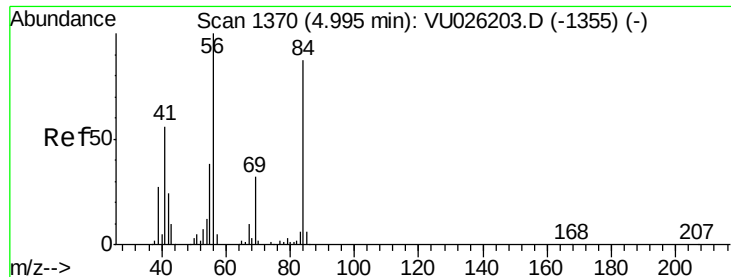
MMDadoda
 9/10/2018 9:52:38 AM



#18
 2-Butanone
 Concen: 61.81 ug/l
 RT: 4.30 min Scan# 972
 Delta R.T. 0.02 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion:	43	Resp:	124721
Ion Ratio	Lower	Upper	
43	100		
57	8.1	0.0	15.8





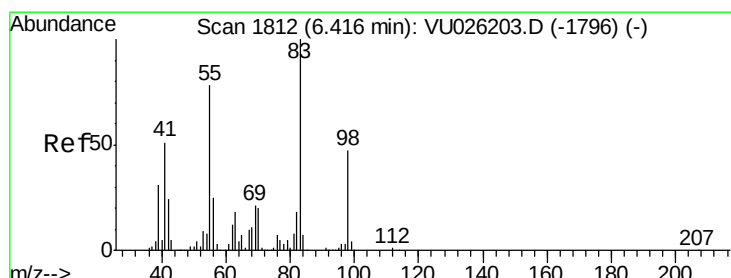
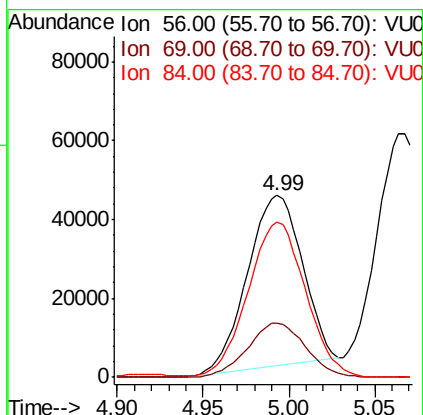
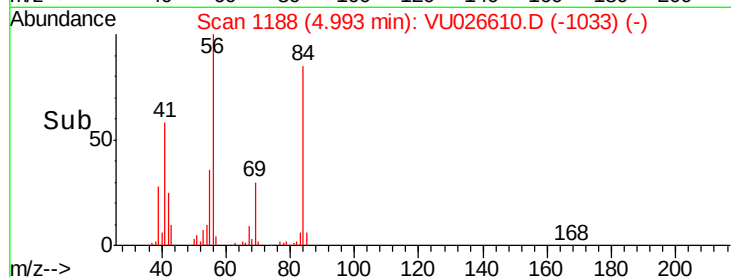
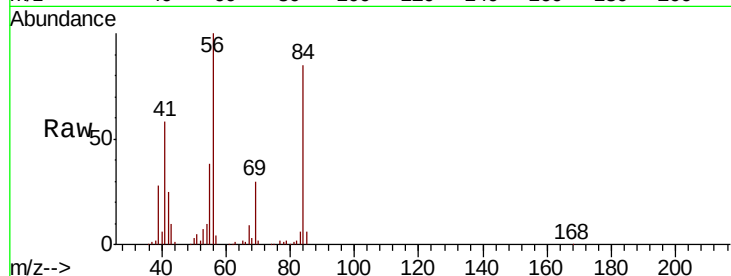
#19
Cyclohexane
Concen: 9.87 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.9	26.0	39.0
84	95.3	68.3	102.5

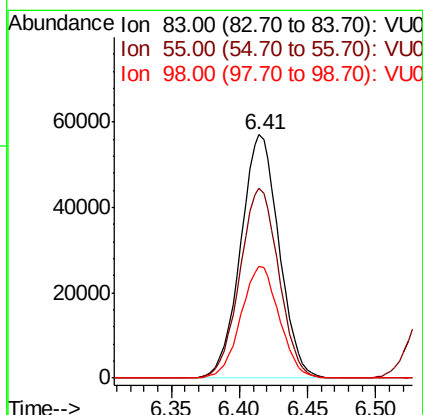
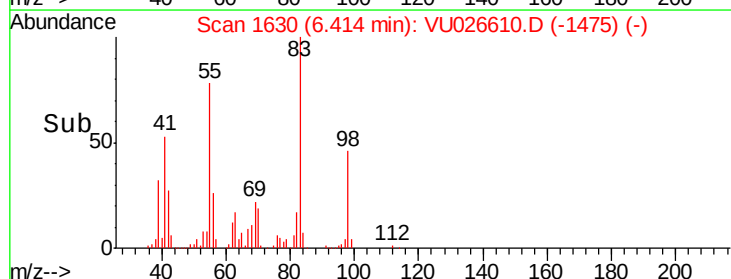
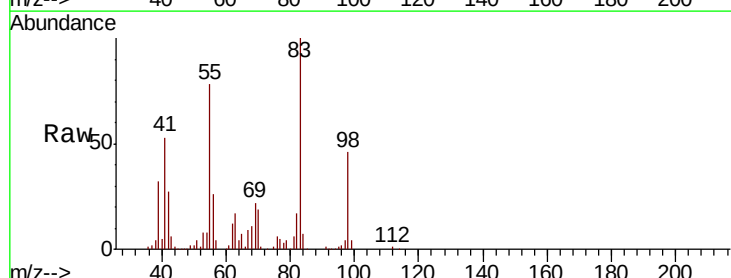
Manual Integrations
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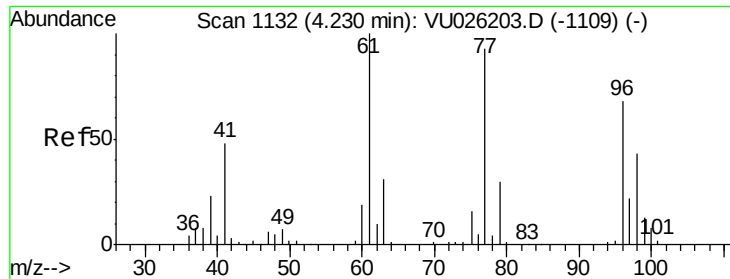
MMDadoda
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#20
Methylcyclohexane
Concen: 9.83 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.2	66.4	99.6
98	45.9	35.4	53.2





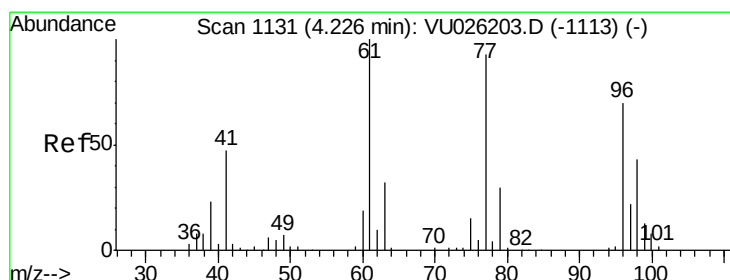
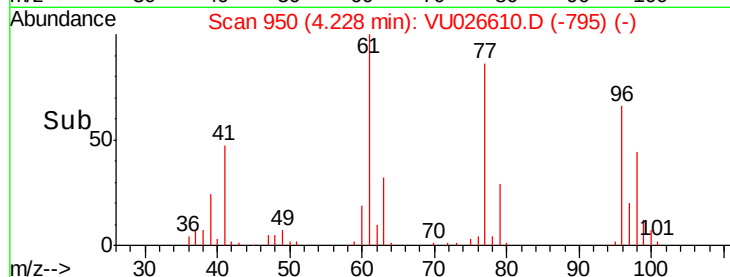
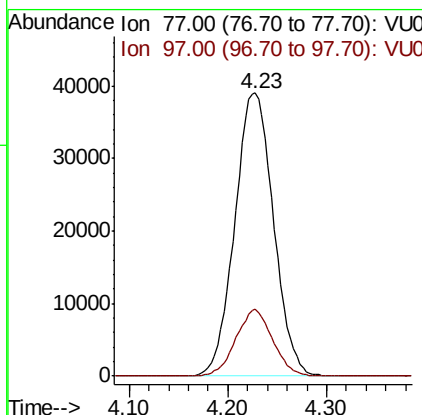
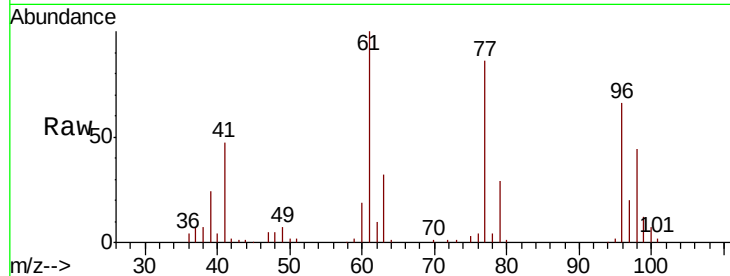
#21
 2,2-Dichloropropane
 Concen: 7.84 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 77 Resp: 106028
 Ion Ratio Lower Upper
 77 100
 97 22.4 17.9 26.9

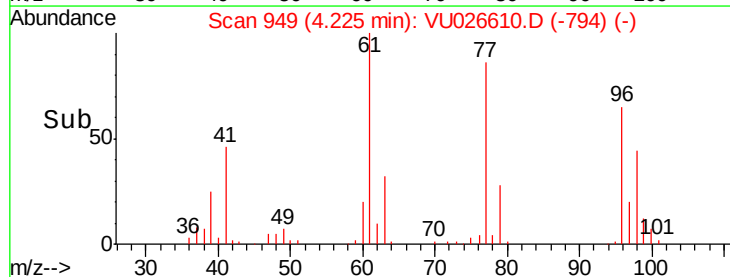
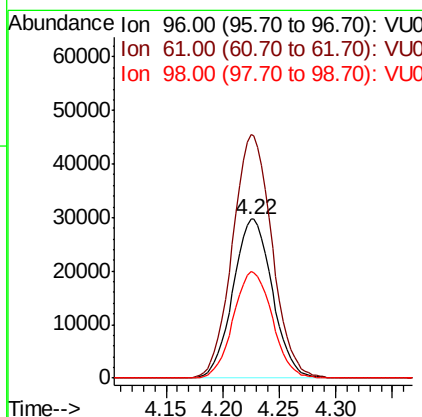
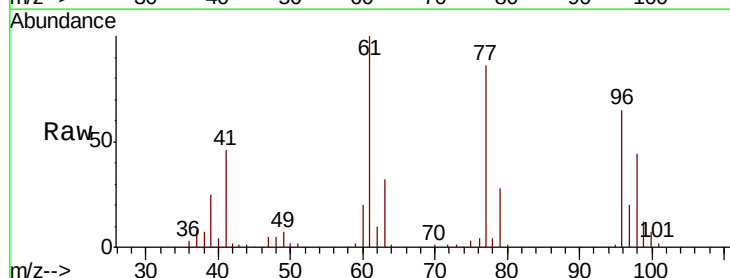
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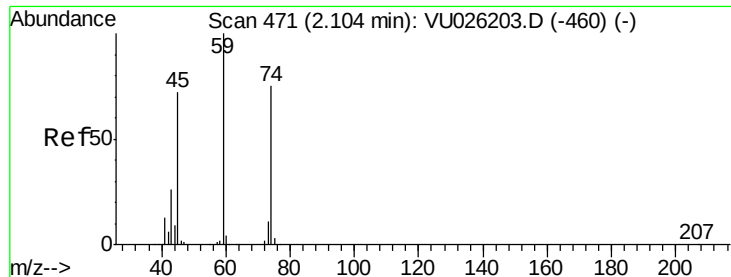
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 9/10/2018 9:52:38 AM



#22
 cis-1,2-Dichloroethene
 Concen: 8.22 ug/l
 RT: 4.22 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion: 96 Resp: 71812
 Ion Ratio Lower Upper
 96 100
 61 154.2 0.0 400.5
 98 66.4 32.2 96.6





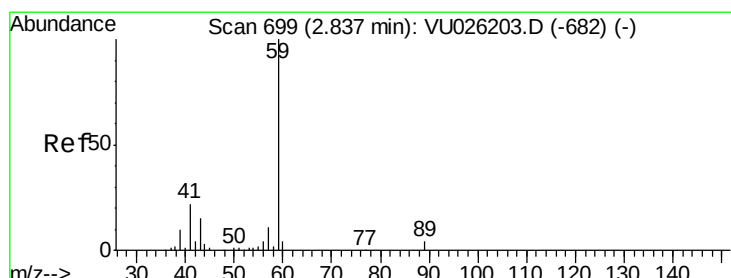
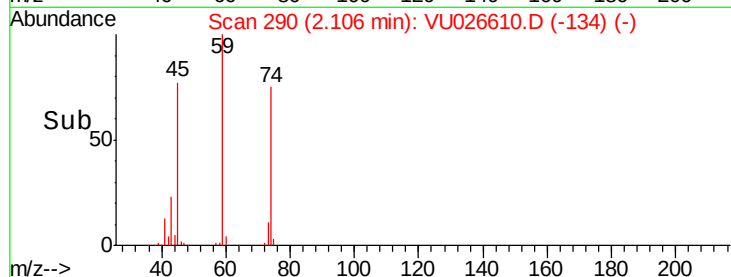
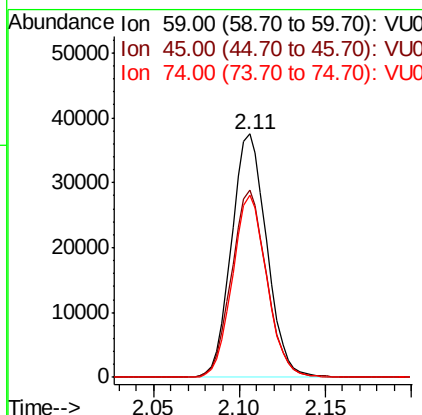
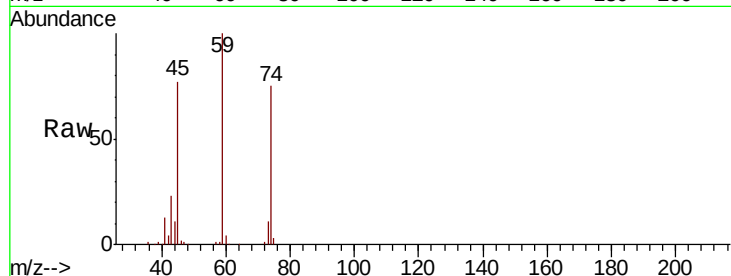
#23
Diethyl Ether
Concen: 11.21 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	76.7	60.0	90.0
74	73.2	56.5	84.7

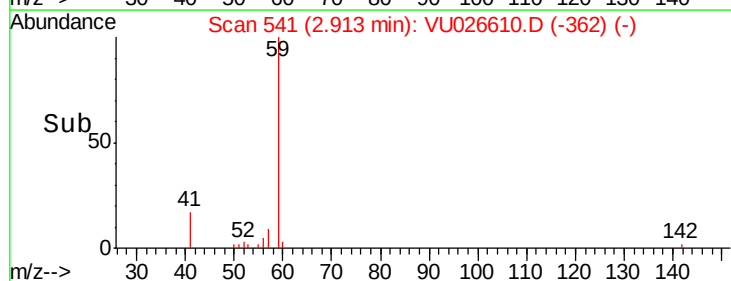
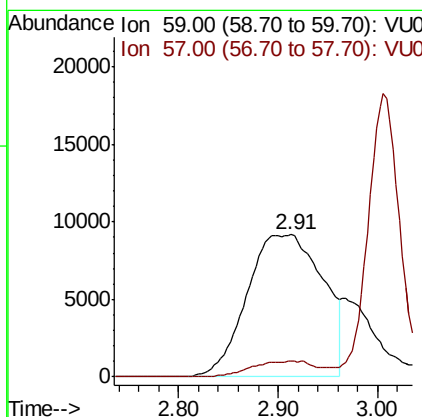
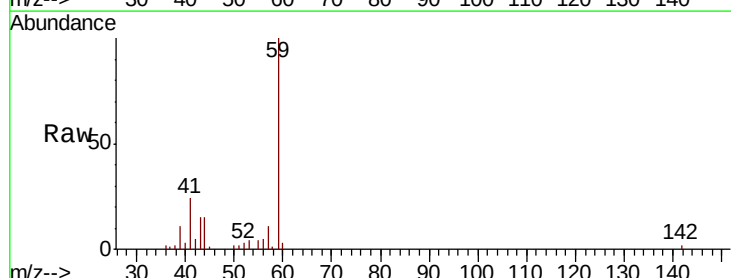
Manual Integrations
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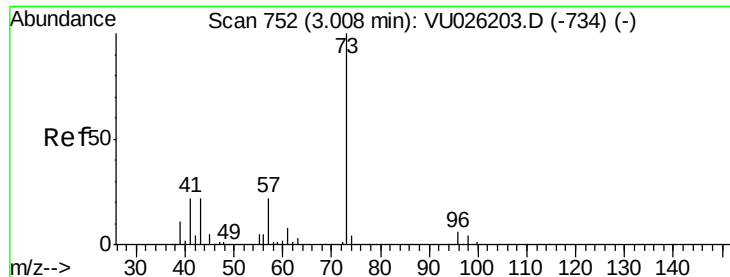
MMDadoda
9/10/2018 9:52:38 AM



#24
tert-Butyl Alcohol
Concen: 99.56 ug/l m
RT: 2.91 min Scan# 541
Delta R.T. 0.08 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	4.3	3.4	5.2





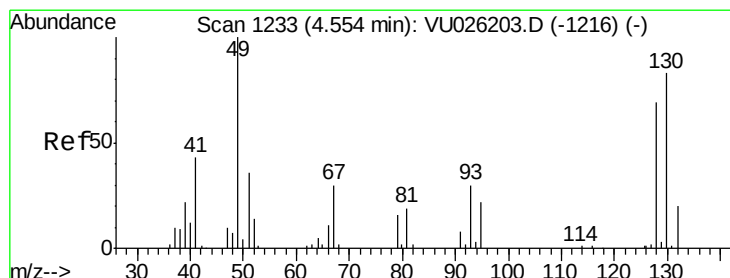
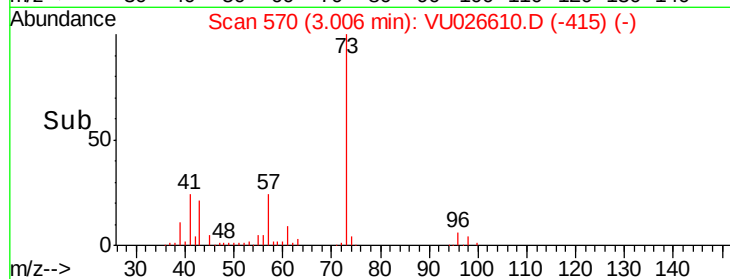
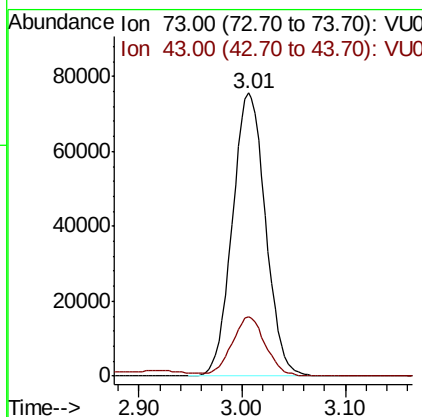
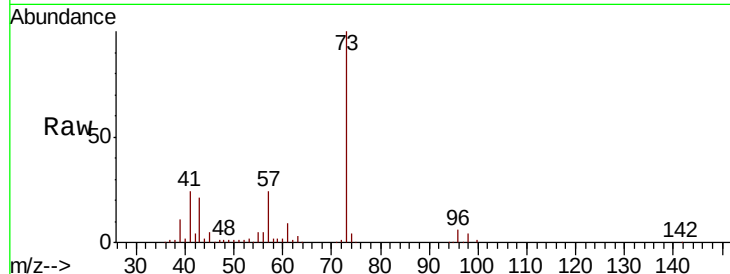
#25
Methvl tert-Butvl Ether
Concen: 10.42 ug/l
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	73	Resp	168967
Ion Ratio	100	Lower	Upper
73	100		
43	20.8	16.2	24.2

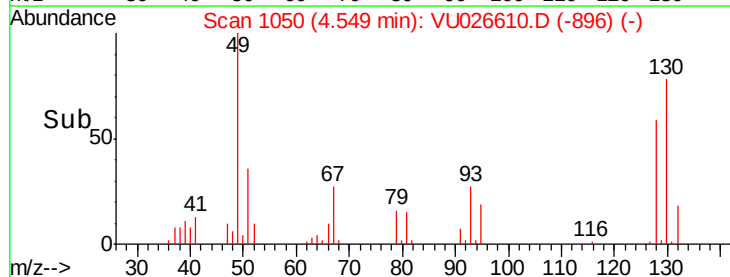
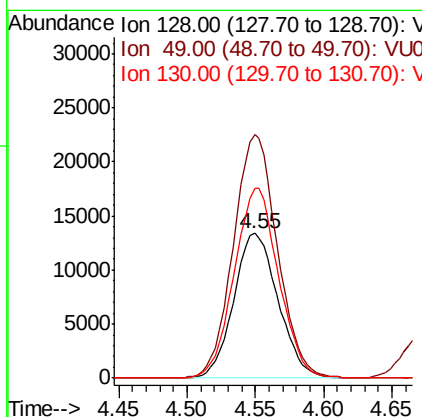
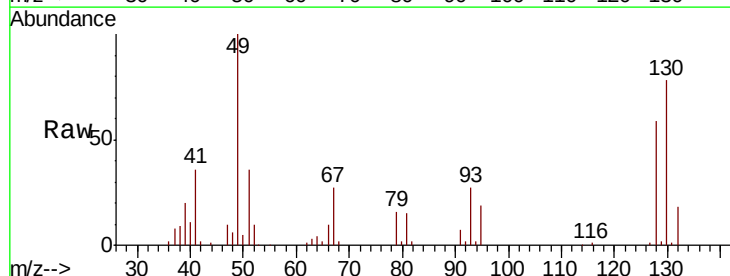
Manual Integrations
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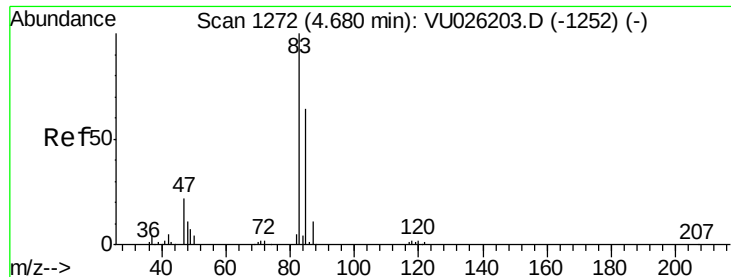
MMDadoda
9/10/2018 9:52:38 AM



#26
Bromochloromethane
Concen: 7.74 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	128	Resp	30214
Ion Ratio	100	Lower	Upper
128	100		
49	167.0	0.0	375.2
130	131.2	105.8	158.6





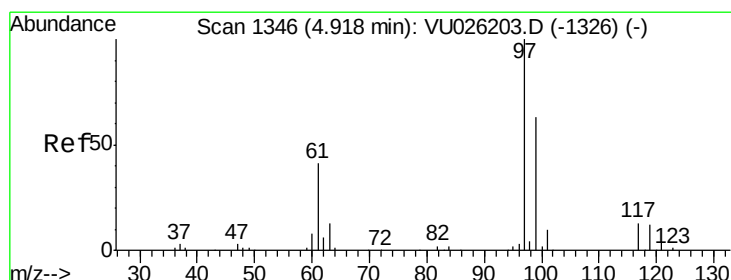
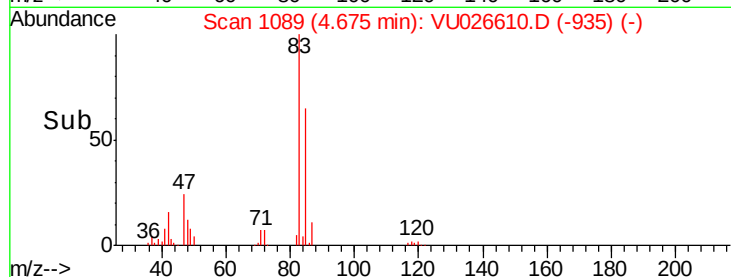
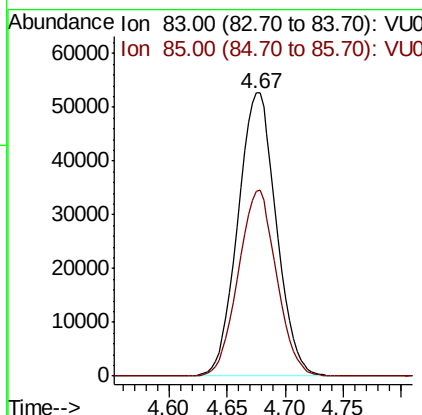
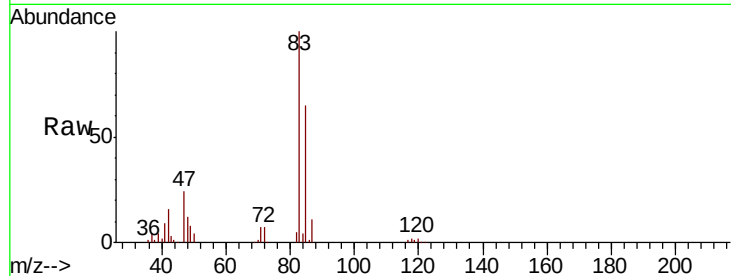
#27
Chloroform
Concen: 7.97 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.01 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	83	Resp	121372
Ion Ratio	100	Lower	Upper
85	65.2	0.0	128.4

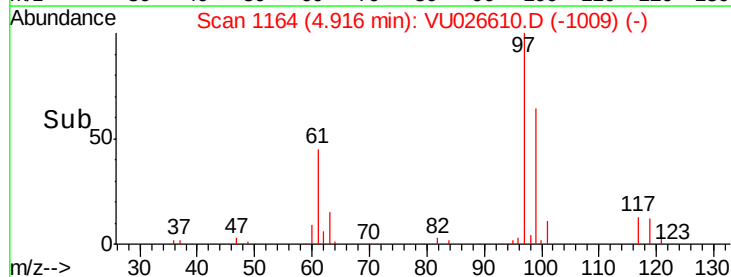
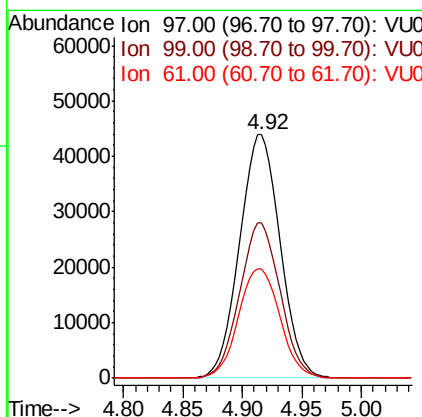
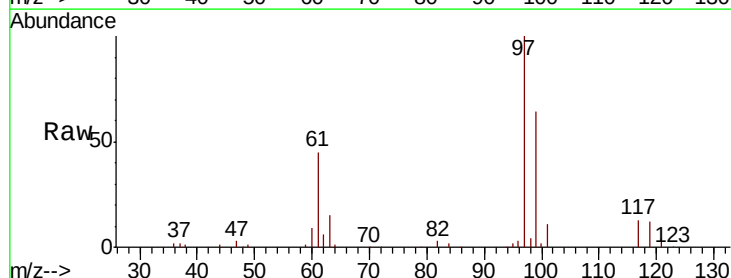
Manual Integrations
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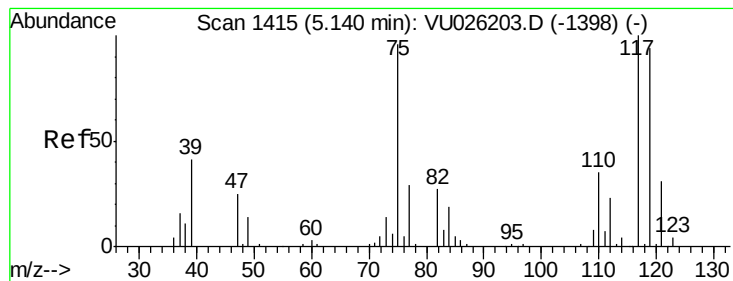
MMDadoda
9/10/2018 9:52:38 AM



#28
1,1,1-Trichloroethane
Concen: 7.69 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	97	Resp	104030
Ion Ratio	100	Lower	Upper
99	63.6	32.3	96.9
61	45.8	23.2	69.5





#29

1,1-Dichloropropene

Concen: 8.88 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.01 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 94789

Ion Ratio Lower Upper

75 100

110 34.2 16.9 50.7

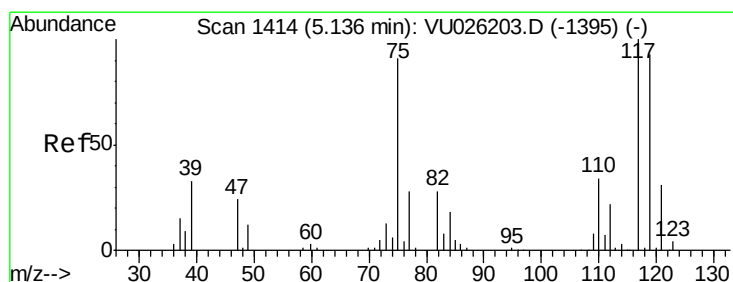
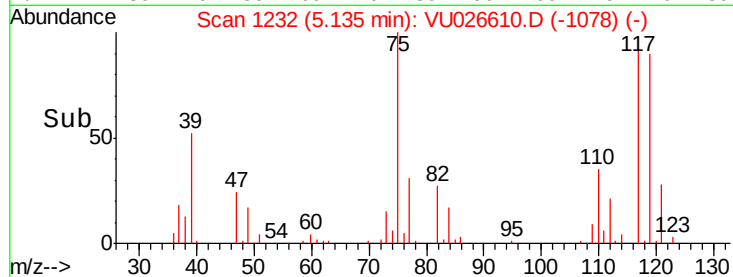
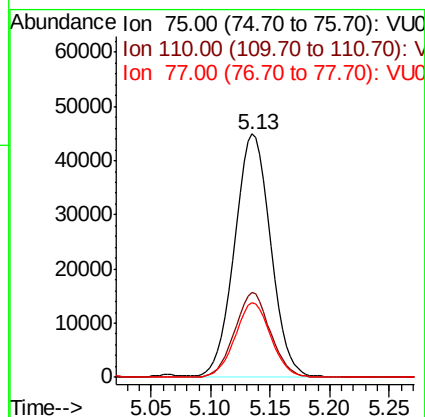
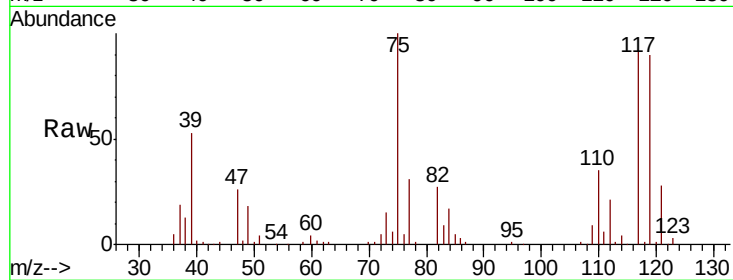
77 30.3 24.8 37.2

Manual Integrations

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#30

Carbon Tetrachloride

Concen: 7.38 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

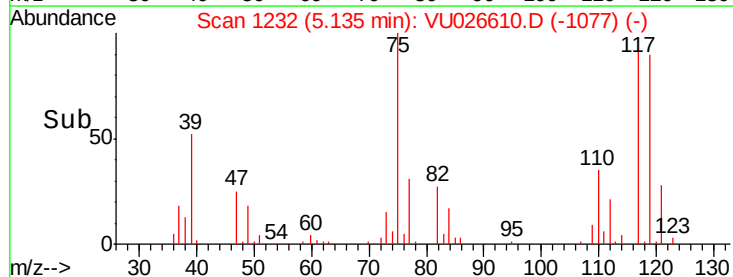
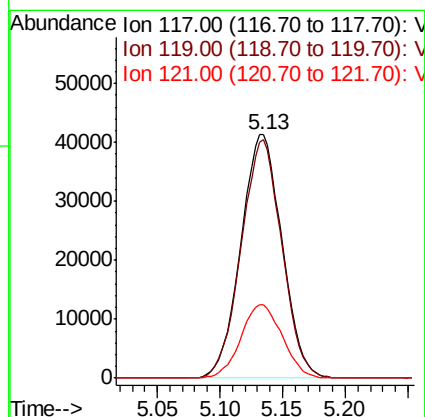
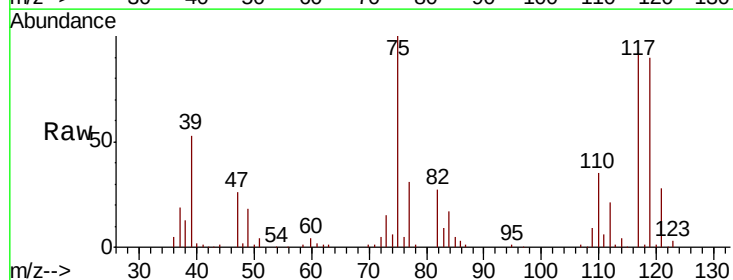
Tgt Ion: 117 Resp: 94142

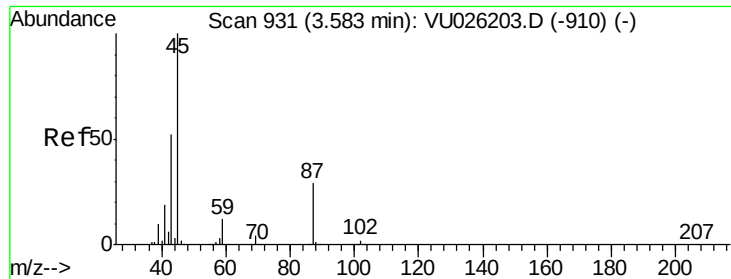
Ion Ratio Lower Upper

117 100

119 97.8 77.3 115.9

121 30.2 24.5 36.7





#31

Isopropyl Ether

Concen: 9.34 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 202444

Ion Ratio Lower Upper

45 100

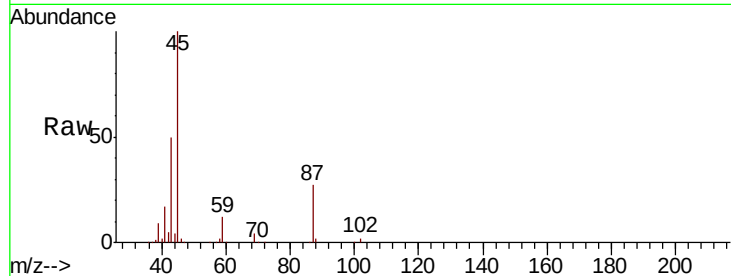
43 50.1 24.0 72.0

Manual Integrations

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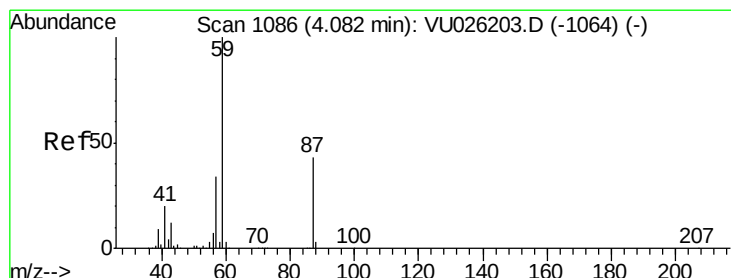
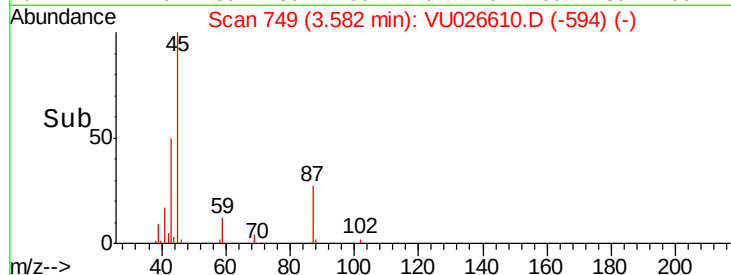
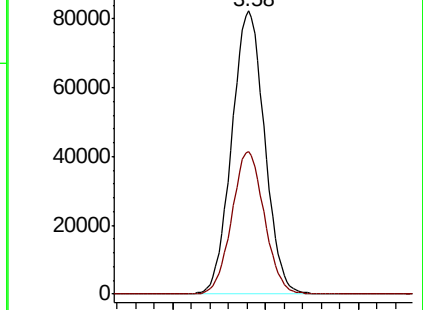
MMDadoda

9/10/2018 9:52:38 AM



Abundance Ion 45.00 (44.70 to 45.70): VU026610.D (-749) (-)

Ion 43.00 (42.70 to 43.70): VU026610.D (-749) (-)



#32

Ethyl-t-butyl ether

Concen: 9.15 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU026610.D

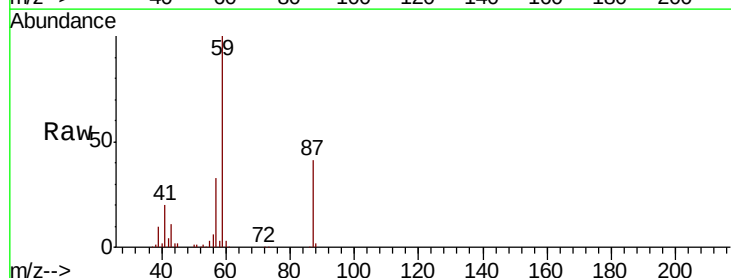
Acq: 07 Sep 2018 09:02

Tgt Ion: 59 Resp: 173783

Ion Ratio Lower Upper

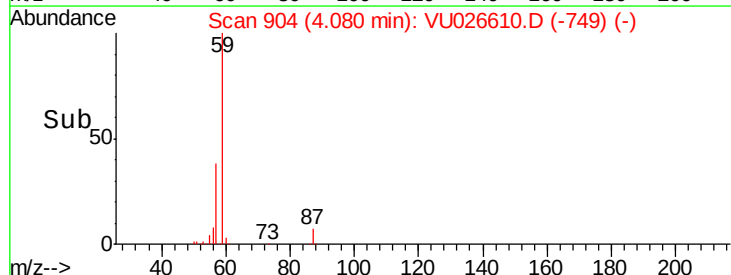
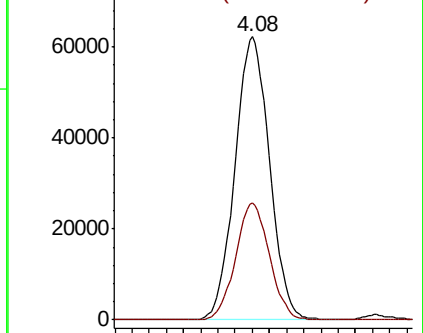
59 100

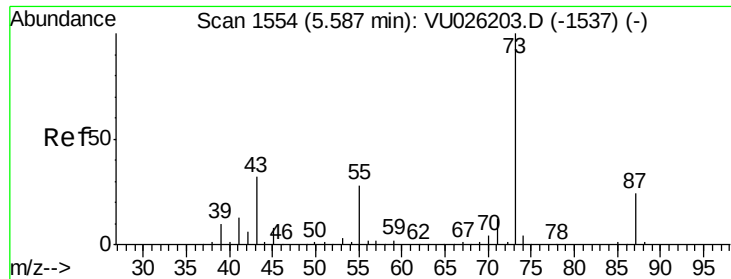
87 40.4 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026610.D (-749) (-)

Ion 87.00 (86.70 to 87.70): VU026610.D (-749) (-)





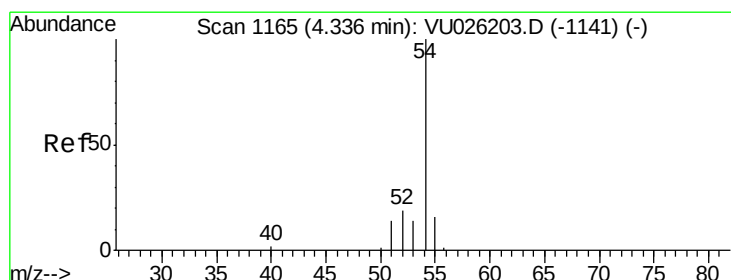
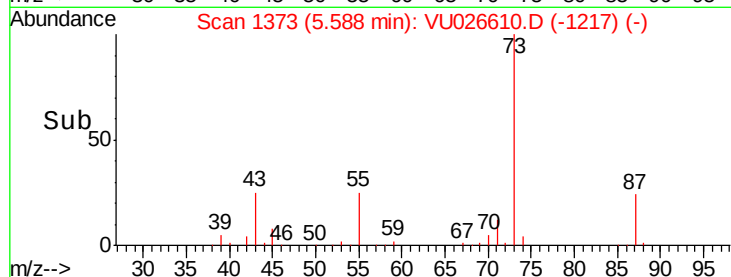
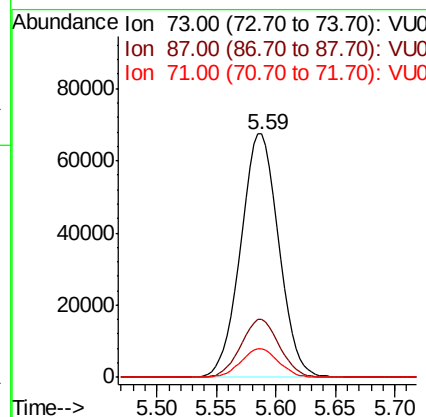
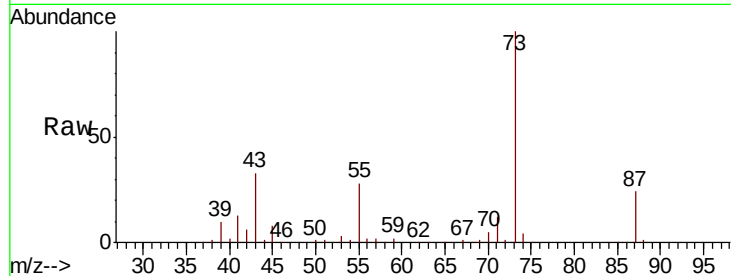
#33
Tert-Butyl methyl ether
Concen: 9.20 ug/l
RT: 5.59 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	24.2	18.6	28.0
71	11.7	9.3	13.9

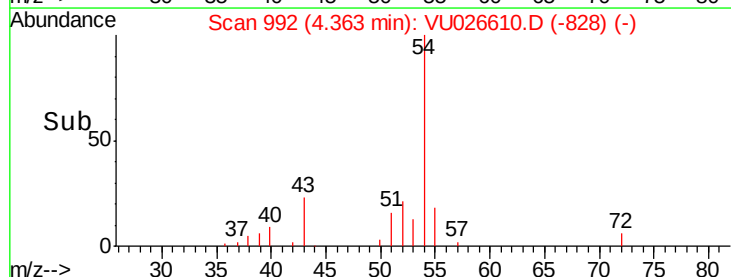
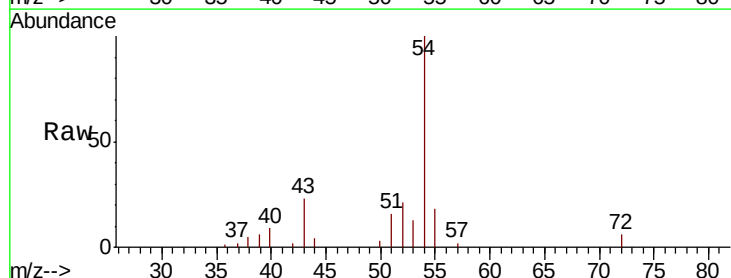
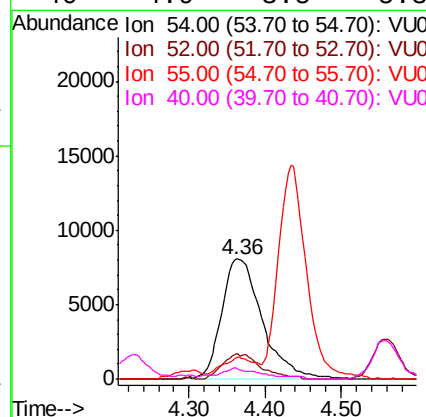
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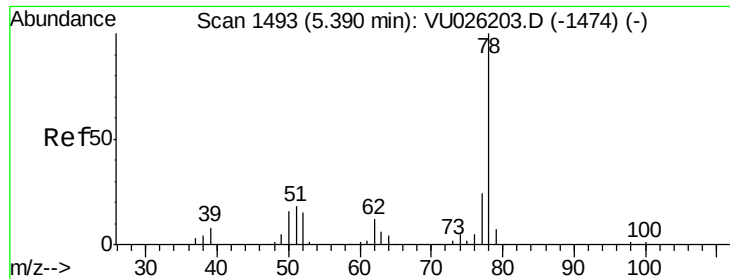
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#34
Propionitrile
Concen: 52.03 ug/l
RT: 4.36 min Scan# 992
Delta R.T. 0.03 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
54	100		
52	10.0	13.7	20.5#
55	14.9	10.2	15.2
40	4.9	3.5	5.3





#35

Benzene

Concen: 8.84 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 272735

Ion Ratio Lower Upper

78 100

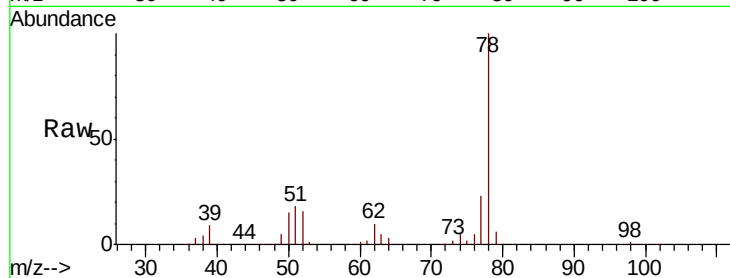
77 23.3 19.1 28.7

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Abundance Ion 78.10 (77.80 to 78.80): VU026610.D (-1156) (-)

Ion 77.00 (76.70 to 77.70): VU026610.D (-1156) (-)

5.39

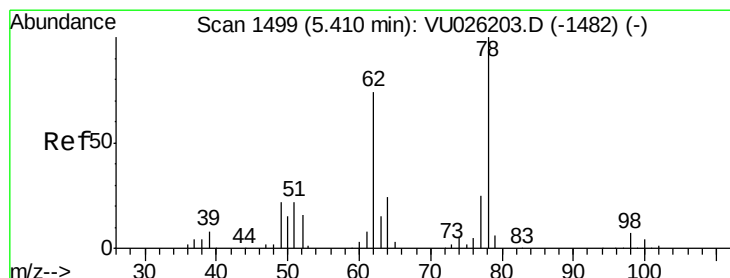
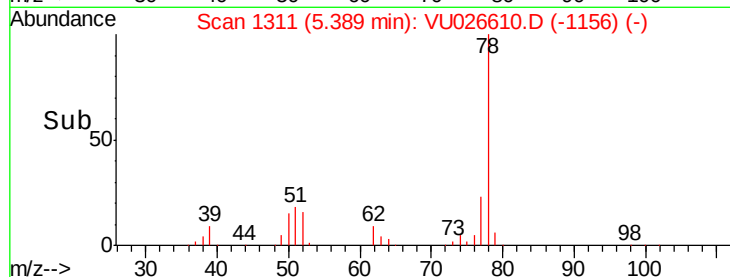
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 8.18 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026610.D

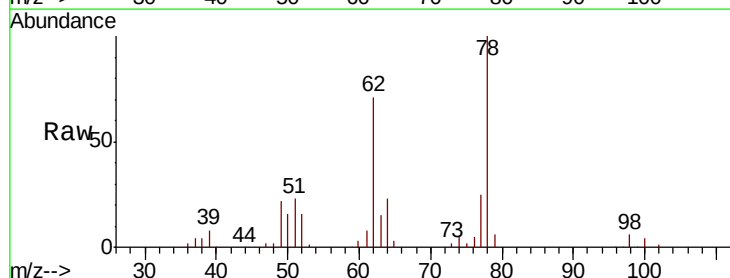
Acq: 07 Sep 2018 09:02

Tgt Ion: 62 Resp: 78183

Ion Ratio Lower Upper

62 100

98 8.7 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026610.D (-1162) (-)

Ion 98.00 (97.70 to 98.70): VU026610.D (-1162) (-)

5.41

40000

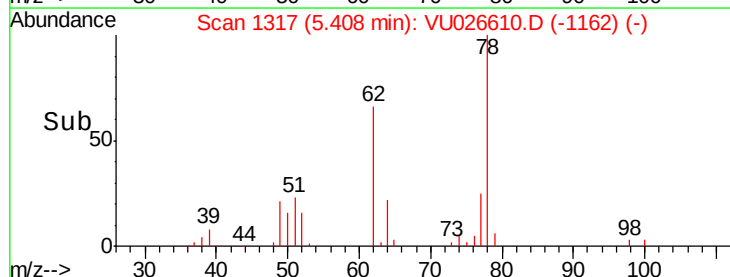
30000

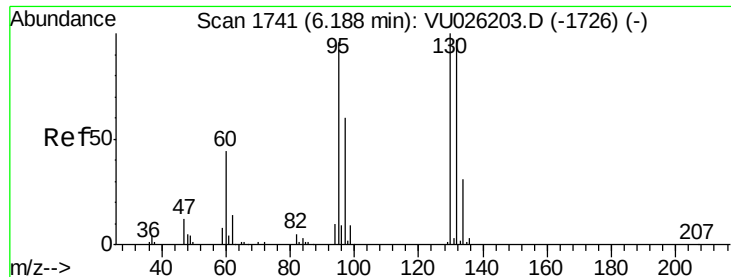
20000

10000

0

Time-->





#37

Trichloroethene

Concen: 8.16 ug/l

RT: 6.19 min Scan# 1559

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:130 Resp: 70877

Ion Ratio Lower Upper

130 100

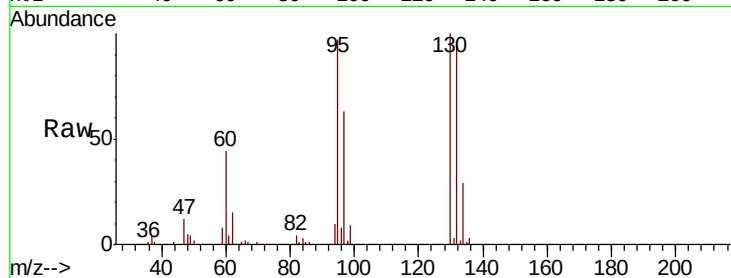
95 97.5 77.9 116.9

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Abundance Ion 129.90 (129.60 to 130.60): VU026203.D (-1726) (-)

Ion 94.90 (94.60 to 95.60): VU026203.D (-1726) (-)

6.19

40000

30000

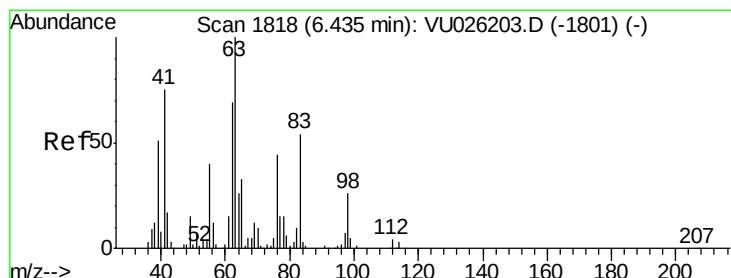
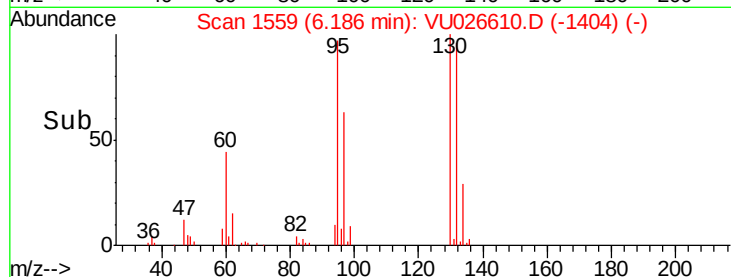
20000

10000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#38

1,2-Dichloropropane

Concen: 9.16 ug/l

RT: 6.44 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VU026610.D

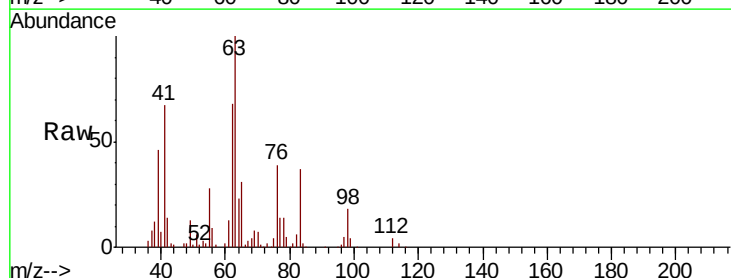
Acq: 07 Sep 2018 09:02

Tgt Ion: 63 Resp: 73192

Ion Ratio Lower Upper

63 100

65 31.2 25.8 38.8



Abundance Ion 63.00 (62.70 to 63.70): VU026203.D (-1801) (-)

Ion 65.00 (64.70 to 65.70): VU026203.D (-1801) (-)

6.44

40000

30000

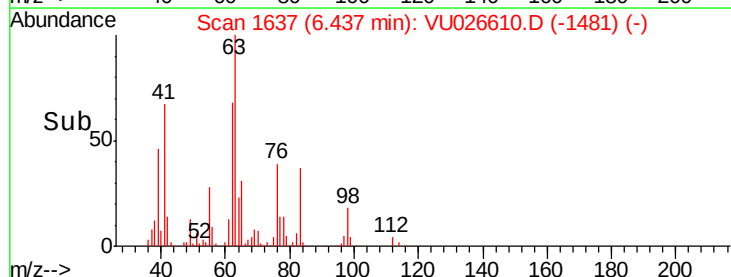
20000

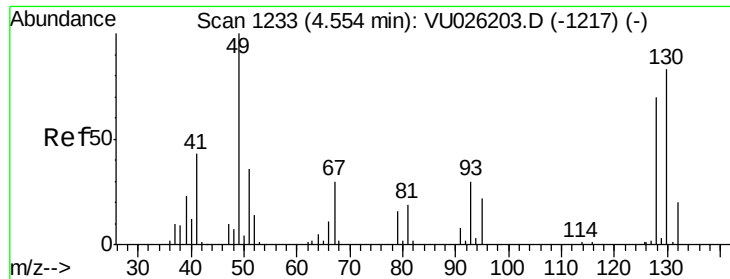
10000

0

6.35 6.40 6.45 6.50

Time-->





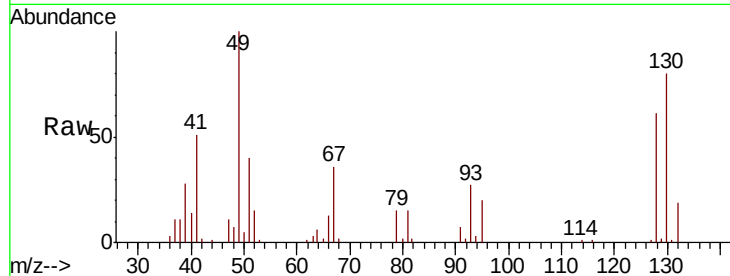
#39
Methacrylonitrile
Concen: 9.38 ug/l
RT: 4.56 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

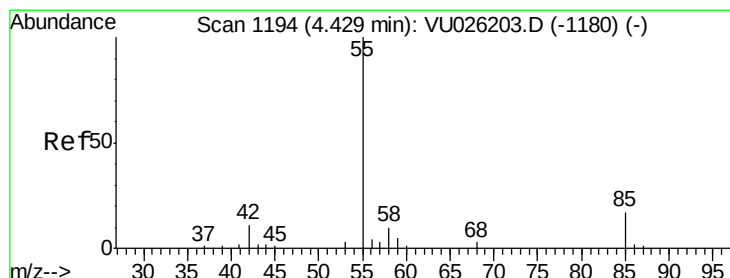
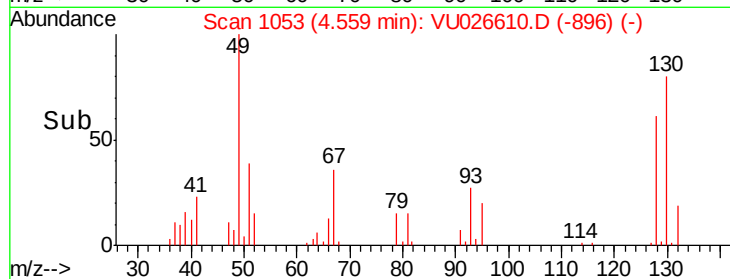
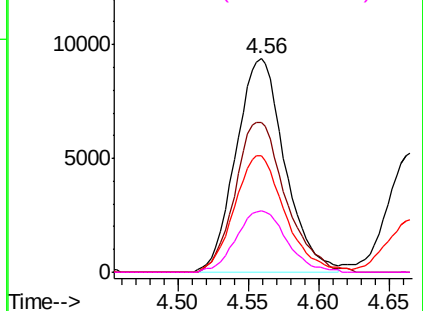
Tot Ion	Ratio	Lower	Upper
41	100		
67	72.2	51.3	76.9
39	56.2	40.6	60.8
52	29.6	21.5	32.3

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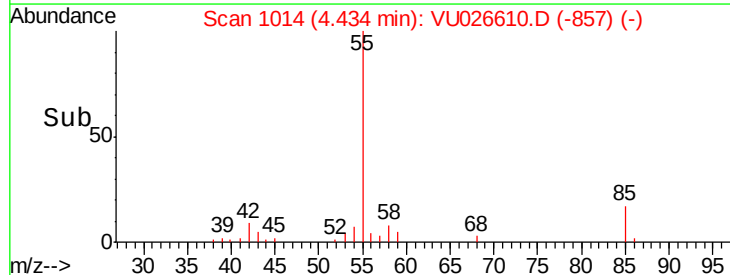
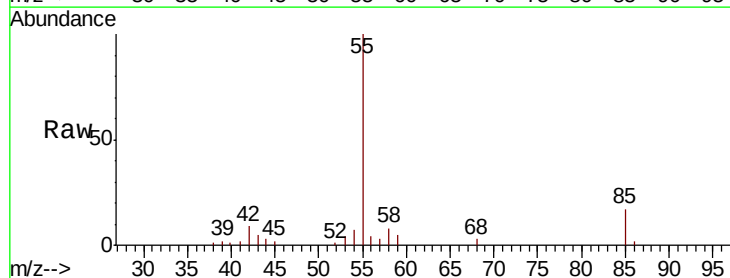
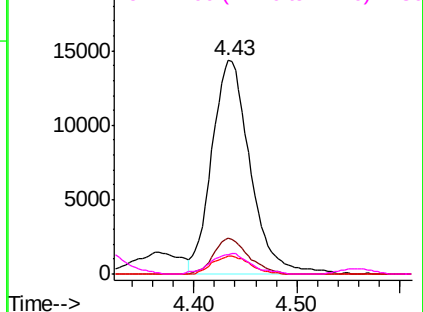
Abundance Ion 41.00 (40.70 to 41.70): VU0
Ion 67.00 (66.70 to 67.70): VU0
Ion 39.00 (38.70 to 39.70): VU0
Ion 52.00 (51.70 to 52.70): VU0

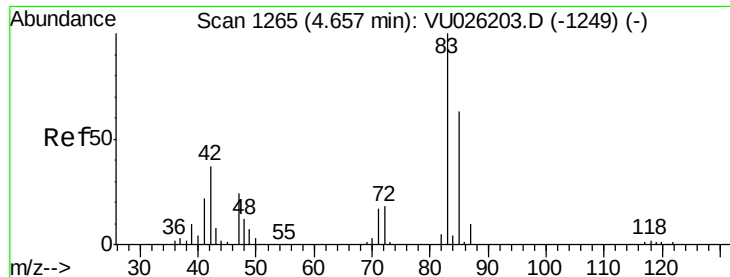


#40
Methyl acrylate
Concen: 10.10 ug/l
RT: 4.43 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
55	100		
85	15.2	12.3	18.5
58	8.2	7.0	10.6
42	9.9	7.0	10.4

Abundance Ion 55.00 (54.70 to 55.70): VU0
Ion 85.00 (84.70 to 85.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 42.00 (41.70 to 42.70): VU0





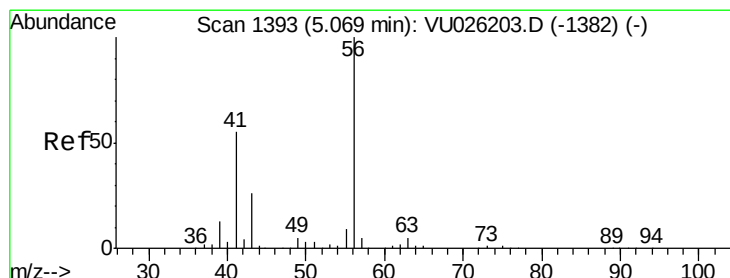
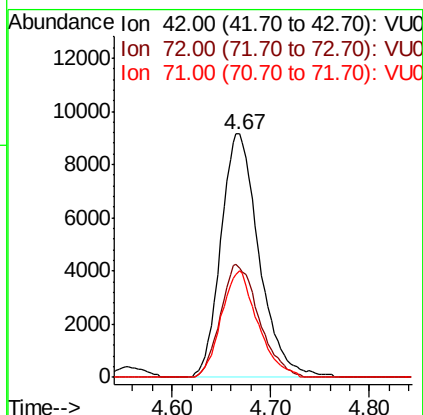
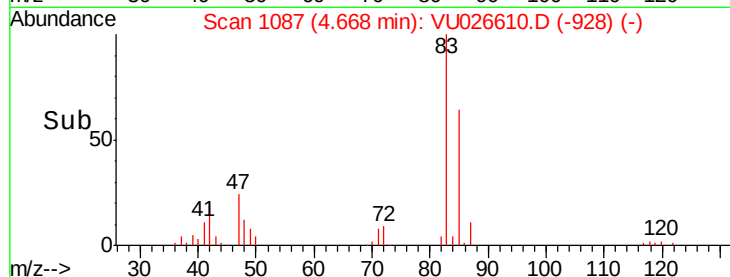
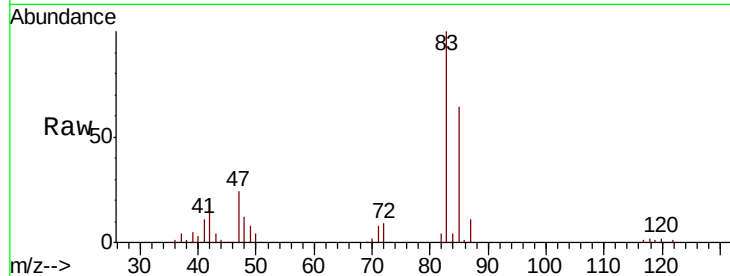
#41
Tetrahydrofuran
Concen: 18.34 ug/l
RT: 4.67 min Scan# 1087
Delta R.T. 0.01 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	33.2	49.8
71	41.6	29.8	44.8

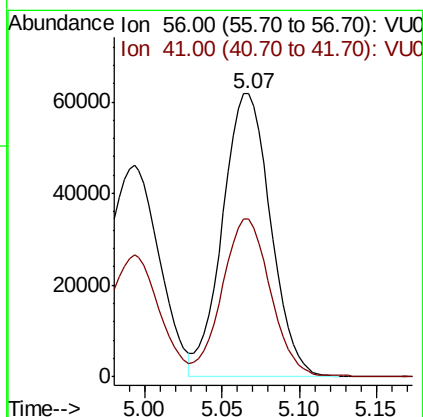
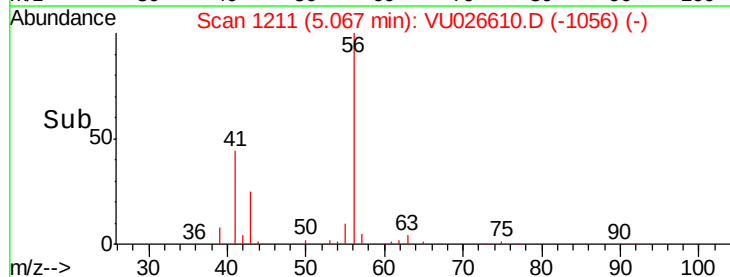
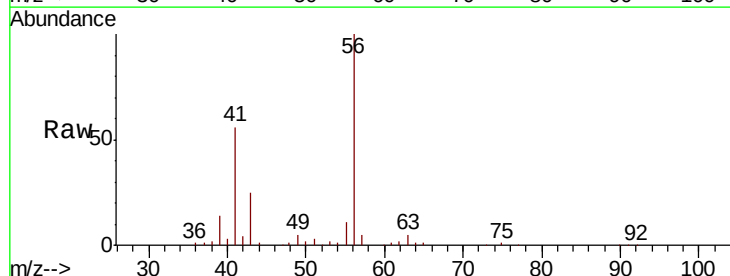
Manual Integrations
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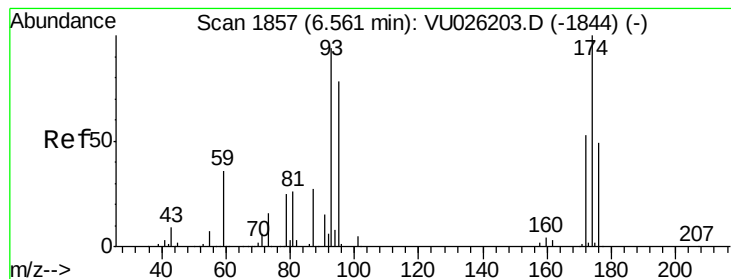
MMDadoda
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#42
1-Chlorobutane
Concen: 9.18 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
56	100		
41	56.9	27.5	82.5





#43

Dibromomethane

Concen: 8.36 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

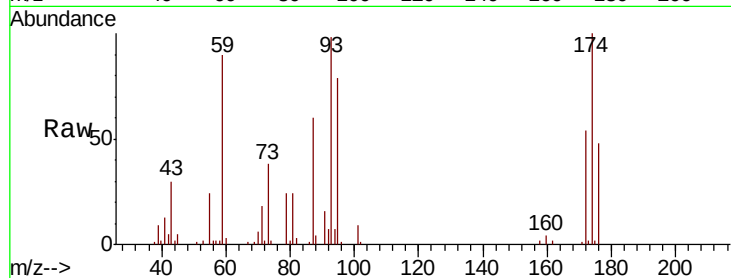
ClientSampleId :

VSTDCCC010

Tot Ion:	93	Resp:	35476
Ion	Ratio	Lower	Upper
93	100		
95	82.3	67.2	100.8
174	102.6	82.8	124.2

Manual Integrations
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9/10/2018 9:52:38 AM

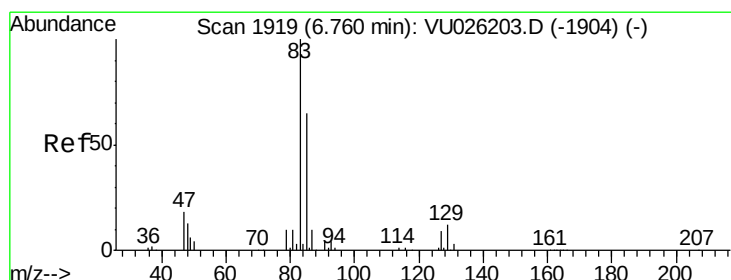
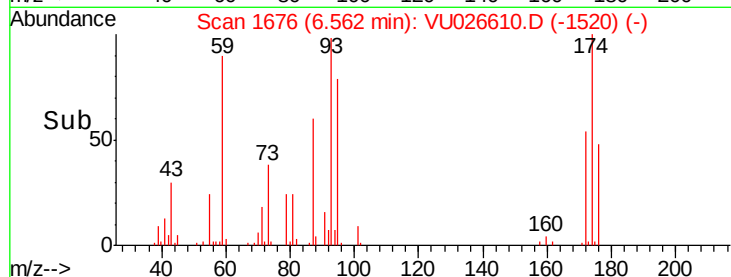
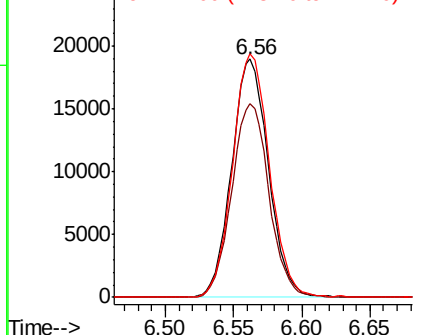


Abundance

Ion 93.00 (92.70 to 93.70): VU026610.D (-1520) (-)

Ion 95.00 (94.70 to 95.70): VU026610.D (-1520) (-)

Ion 174.00 (173.70 to 174.70): VU026610.D (-1520) (-)



#44

Bromodichloromethane

Concen: 8.16 ug/l

RT: 6.76 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

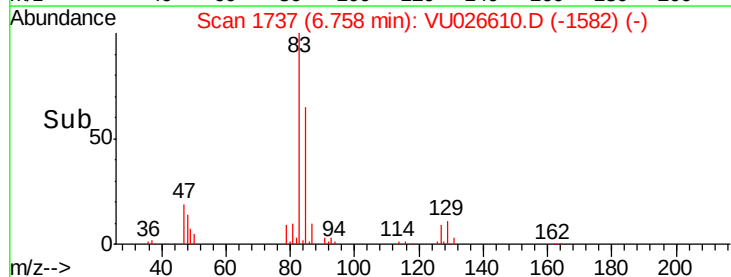
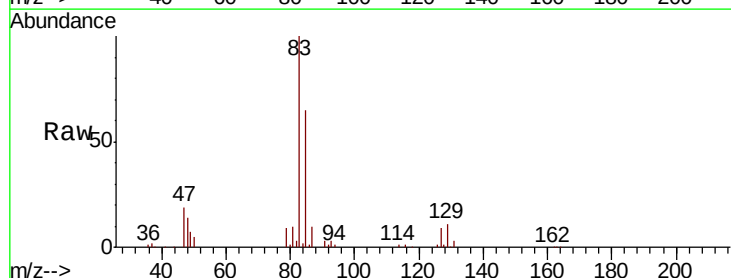
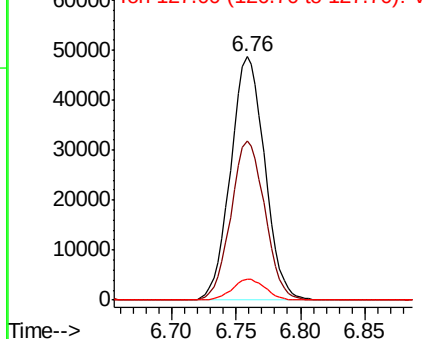
Tgt Ion:	83	Resp:	89463
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	8.7	7.0	10.4

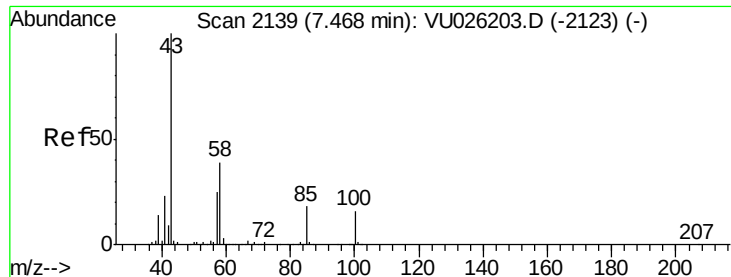
Abundance

Ion 83.00 (82.70 to 83.70): VU026610.D (-1582) (-)

Ion 85.00 (84.70 to 85.70): VU026610.D (-1582) (-)

Ion 127.00 (126.70 to 127.70): VU026610.D (-1582) (-)





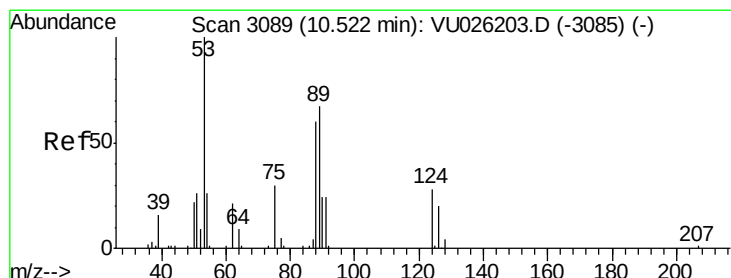
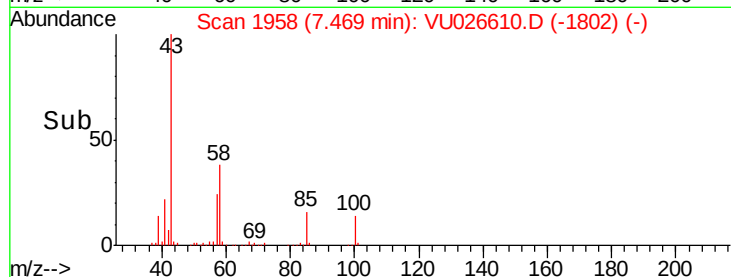
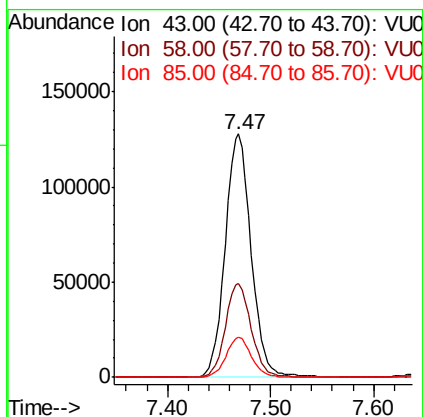
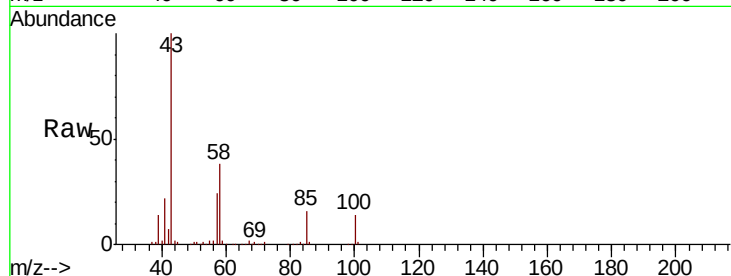
#45
 4-Methyl-2-Pentanone
 Concen: 52.14 ug/l
 RT: 7.47 min Scan# 1958
 Delta R.T. 0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	18.8	56.4
85	16.0	12.6	19.0

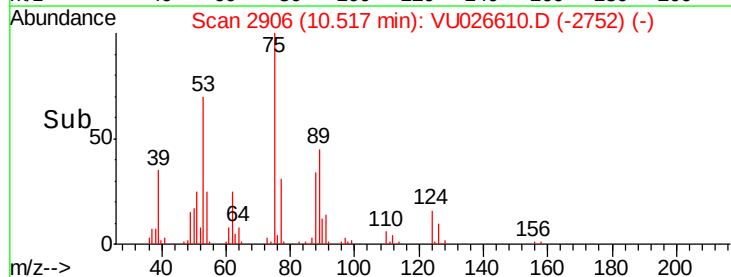
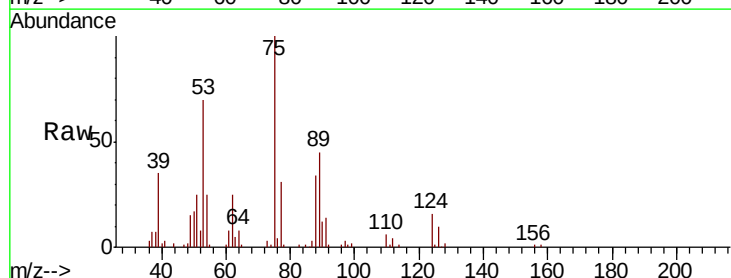
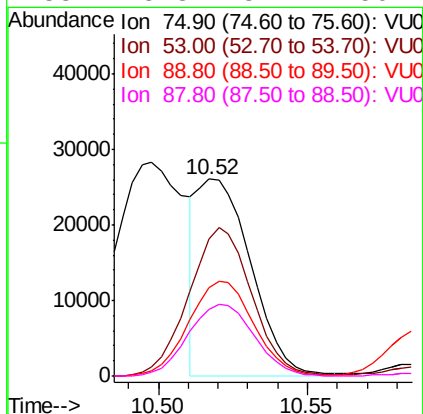
Manual Integrations
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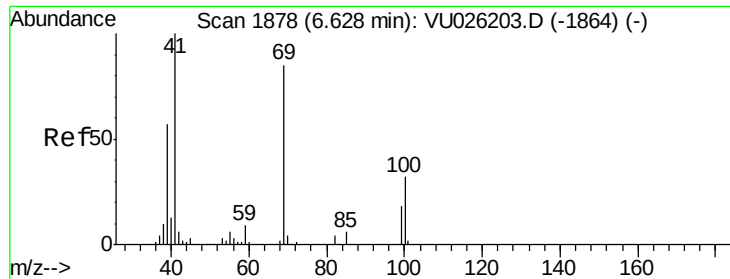
MMDadoda
 9/10/2018 9:52:38 AM



#46
 t-1,4-Dichloro-2-butene
 Concen: 15.05 ug/l m
 RT: 10.52 min Scan# 2906
 Delta R.T. -0.01 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.8	82.2	123.4
89	58.6	51.3	76.9
88	45.3	37.4	56.2





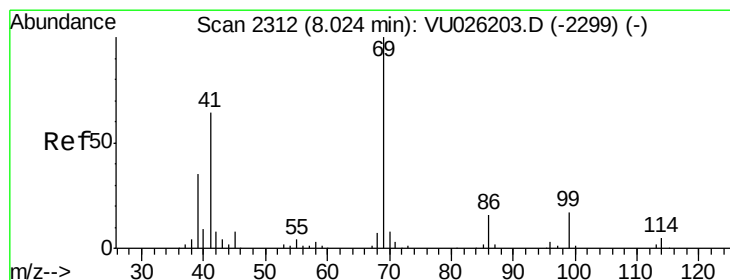
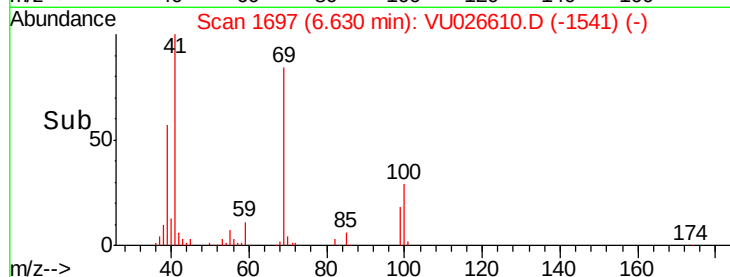
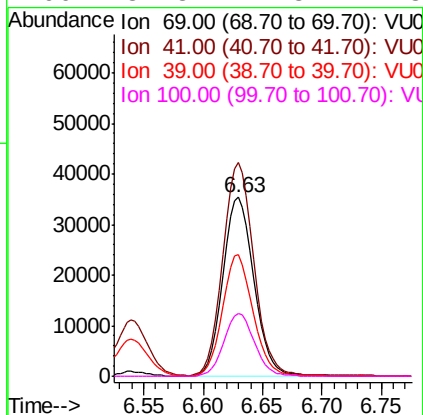
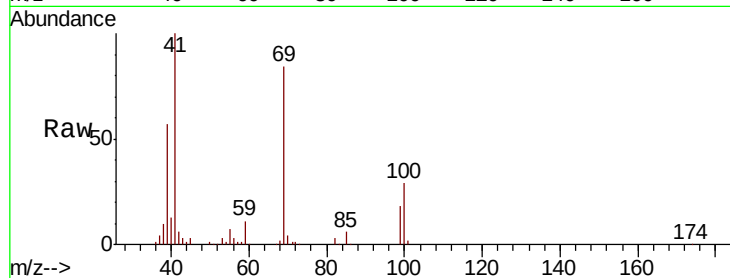
#47
Methvl methacrylate
Concen: 19.88 ug/l
RT: 6.63 min Scan# 1697
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		64480		
41	117.6	0.0	245.4		
39	65.6	49.0	73.4		
100	34.3	27.8	41.8		

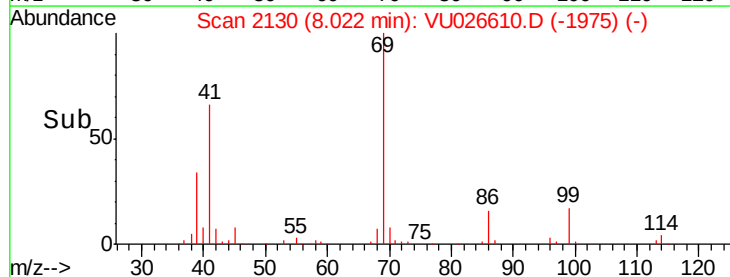
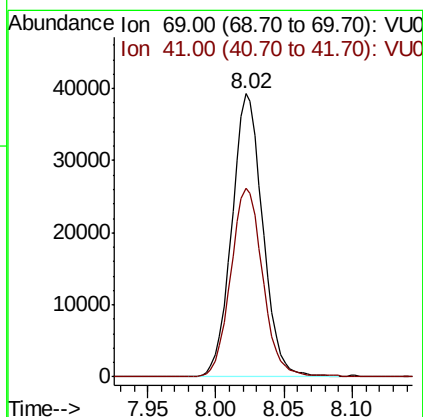
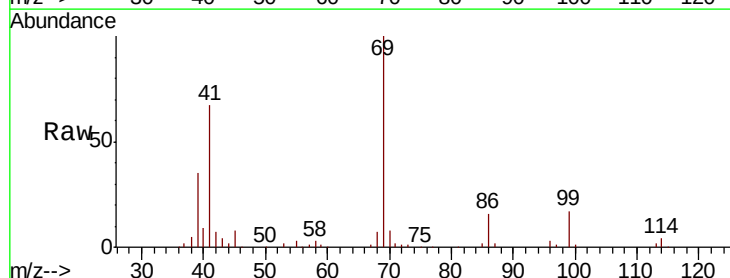
Manual Integrations
APPROVED

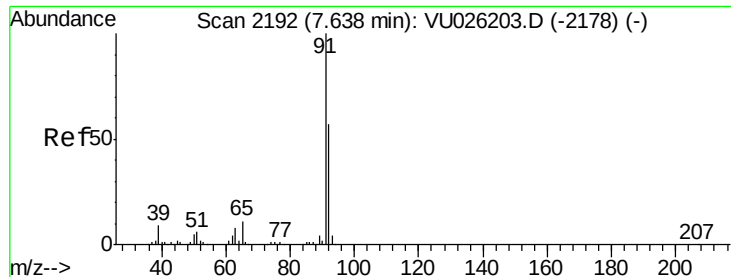
MMDadoda
9/10/2018 9:52:38 AM



#48
Ethyl methacrylate
Concen: 10.43 ug/l
RT: 8.02 min Scan# 2130
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		61926		
41	68.9	34.2	102.5		





#49

Toluene

Concen: 9.23 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 162630

Ion Ratio Lower Upper

92 100

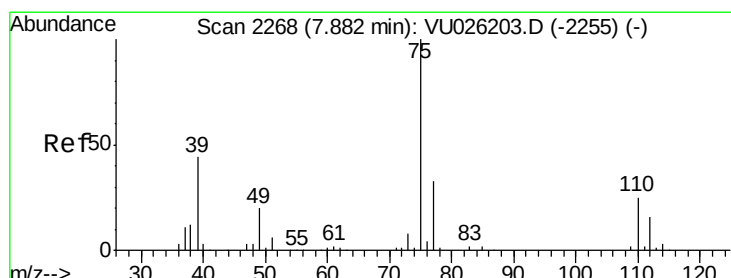
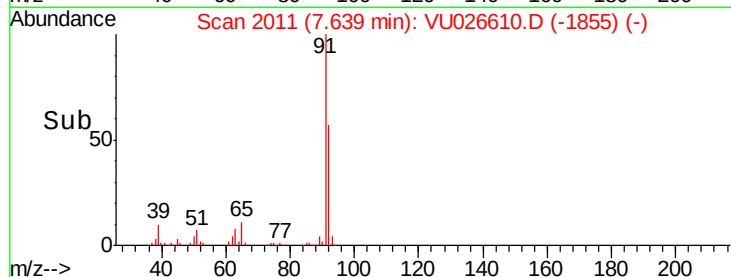
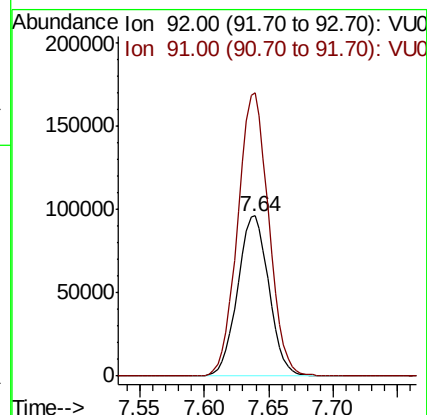
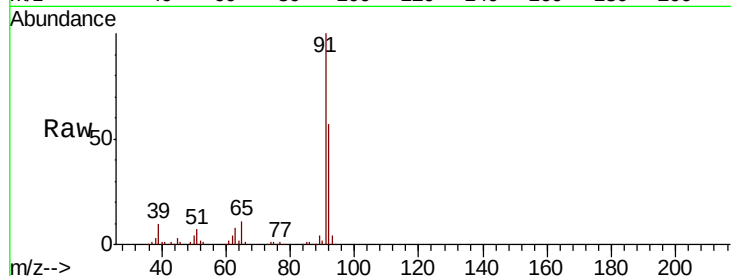
91 175.3 137.1 205.7

Manual Integrations

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9/10/2018 9:52:38 AM



#50

t-1,3-Dichloropropene

Concen: 8.85 ug/l

RT: 7.88 min Scan# 2086

Delta R.T. -0.00 min

Lab File: VU026610.D

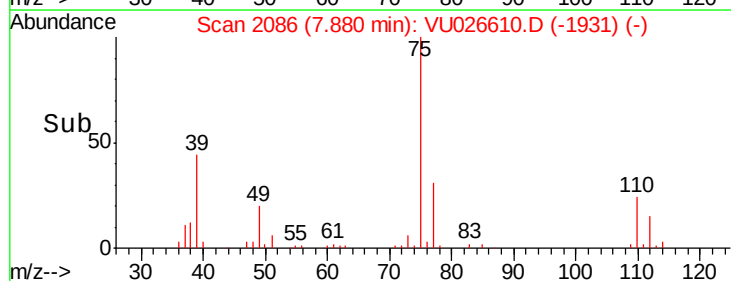
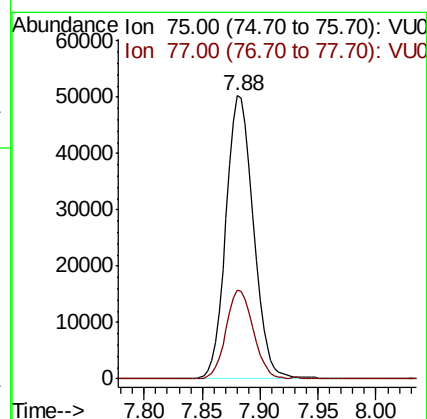
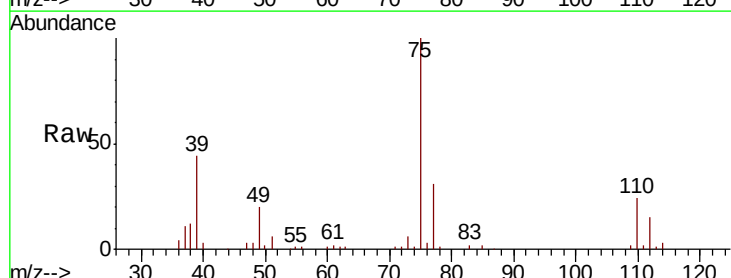
Acq: 07 Sep 2018 09:02

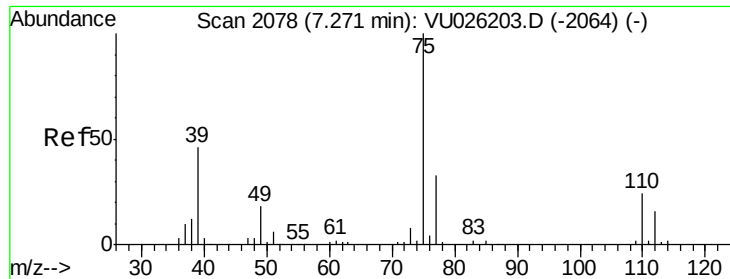
Tgt Ion: 75 Resp: 82765

Ion Ratio Lower Upper

75 100

77 31.4 25.2 37.8





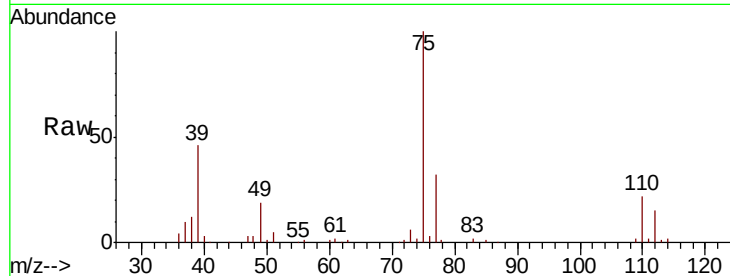
#51
 cis-1,3-Dichloropropene
 Concen: 9.07 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

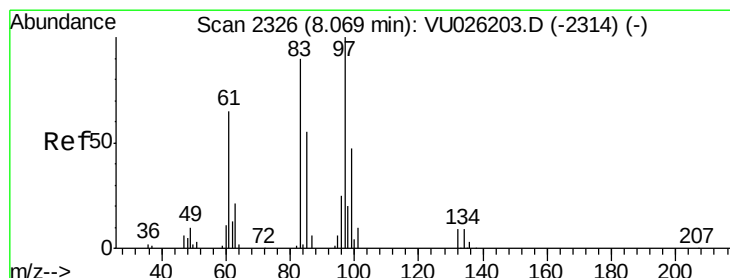
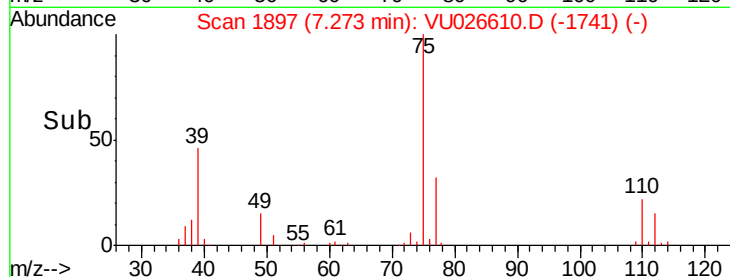
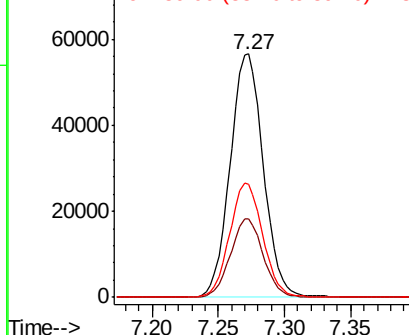
Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.2	37.8
39	46.4	36.4	54.6

Manual Integrations
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 9/10/2018 9:52:38 AM



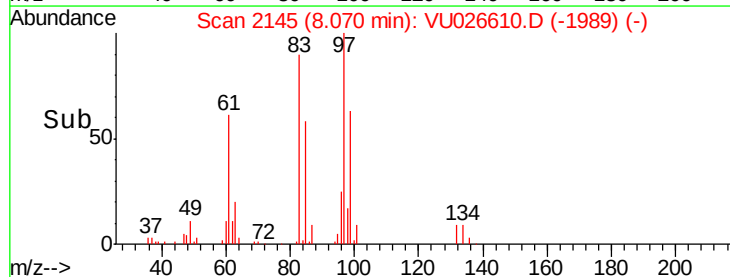
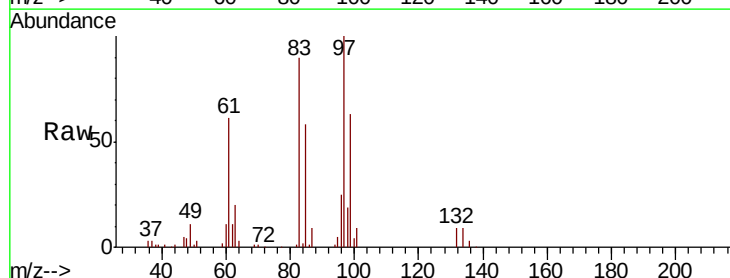
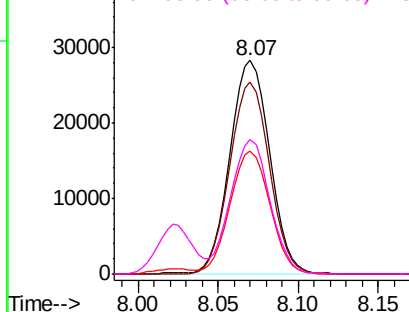
Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0
 Ion 39.00 (38.70 to 39.70): VU0

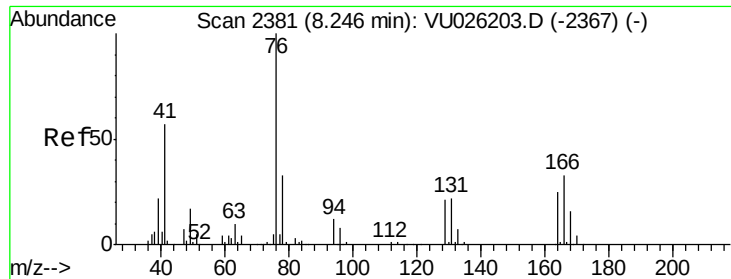


#52
 1,1,2-Trichloroethane
 Concen: 8.35 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.6	109.0
85	57.7	47.2	70.8
99	62.9	50.8	76.2

Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 82.95 (82.65 to 83.65): VU0
 Ion 84.95 (84.65 to 85.65): VU0
 Ion 98.95 (98.65 to 99.65): VU0





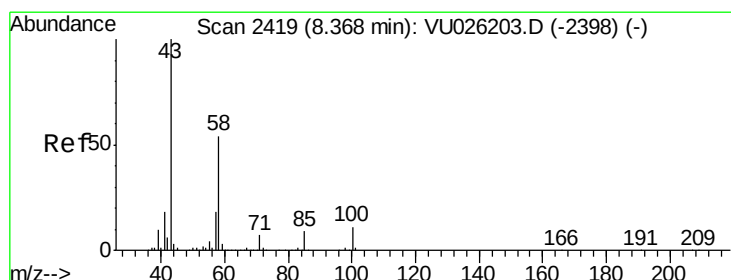
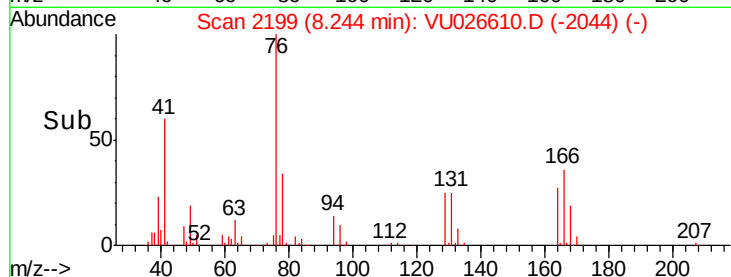
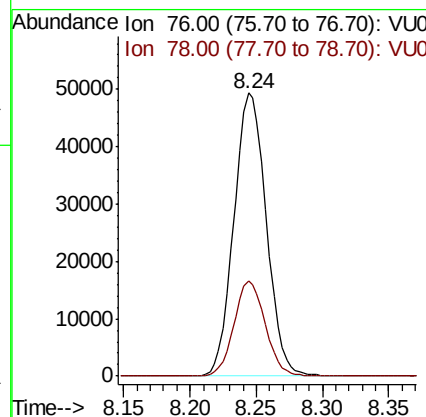
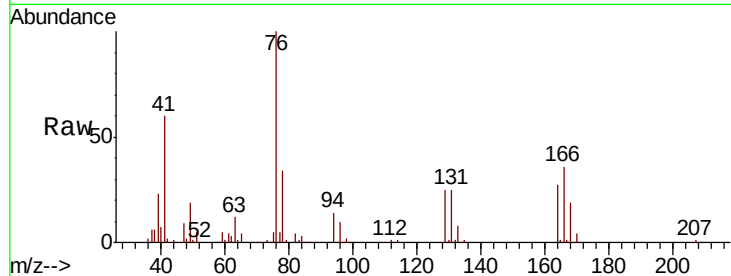
#53
 1,3-Dichloropropane
 Concen: 8.76 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion: 76 Resp: 83787
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.7 38.5

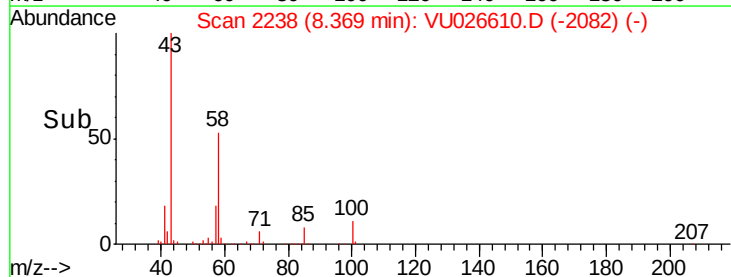
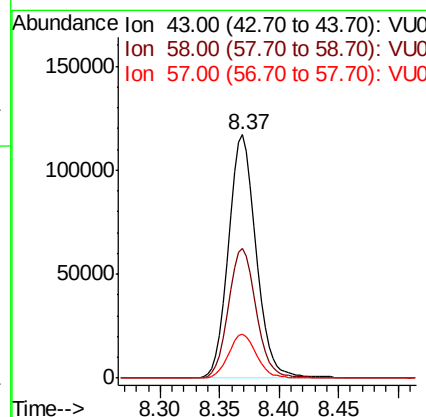
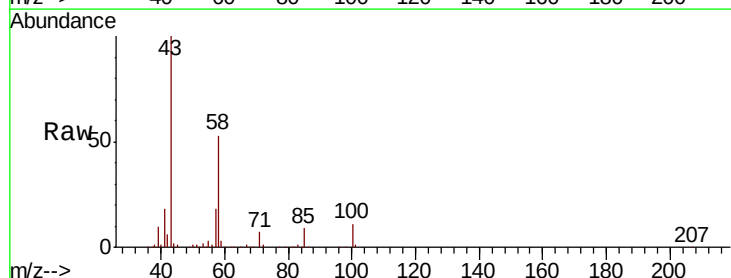
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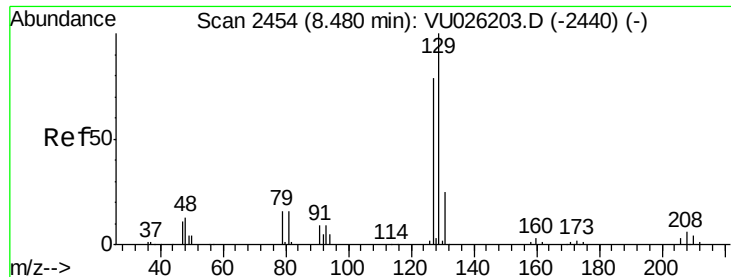
MMDadoda
 9/10/2018 9:52:38 AM



#54
 2-Hexanone
 Concen: 61.67 ug/l
 RT: 8.37 min Scan# 2238
 Delta R.T. 0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion: 43 Resp: 188951
 Ion Ratio Lower Upper
 43 100
 58 53.5 32.5 72.5
 57 18.1 0.0 37.9





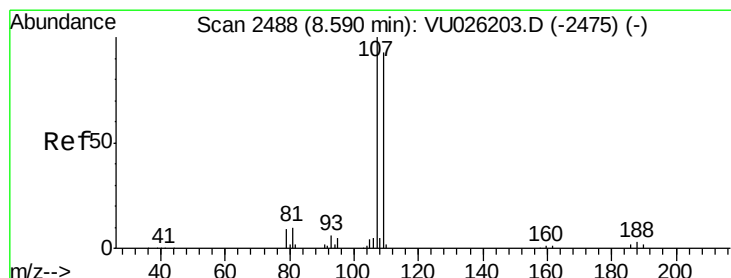
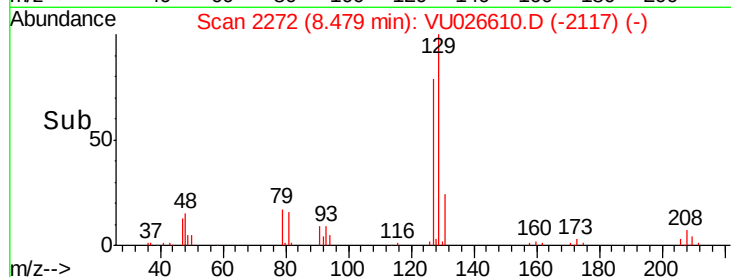
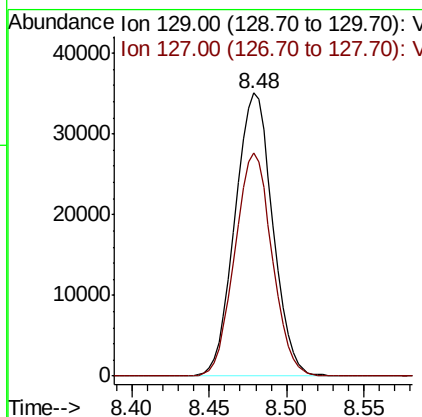
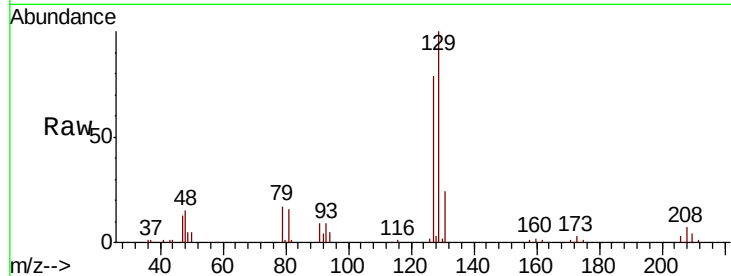
#55
Dibromochloromethane
Concen: 7.71 ug/l
RT: 8.48 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		59371		
127	77.8		61.1	91.7	

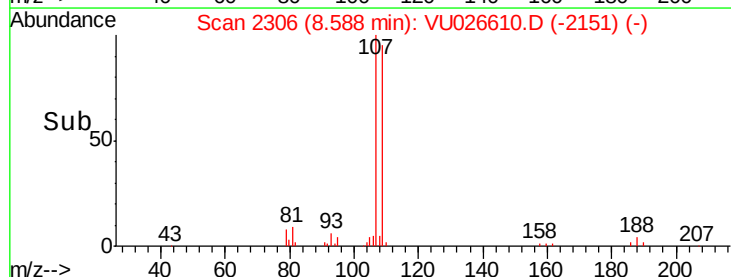
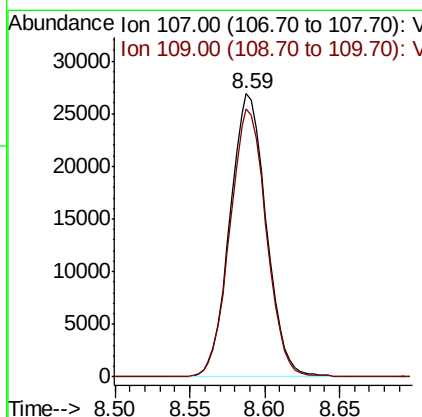
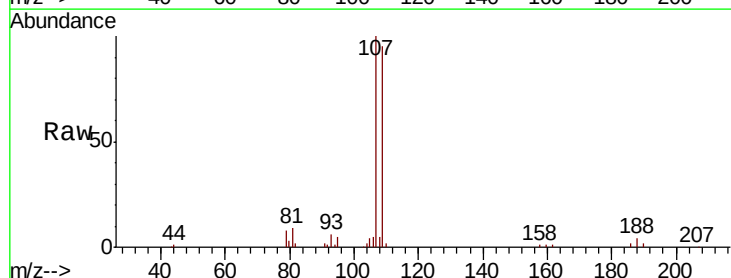
Manual Integrations
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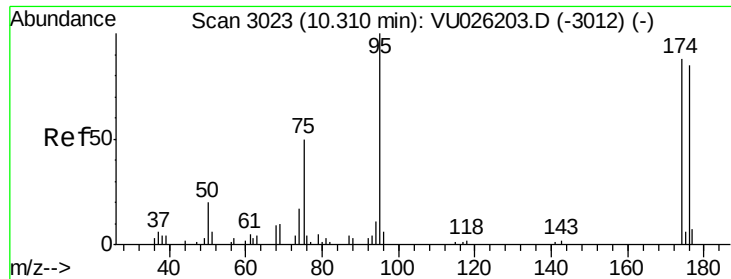
MMDadoda
9/10/2018 9:52:38 AM



#56
1,2-Dibromoethane
Concen: 8.12 ug/l
RT: 8.59 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		45467		
109	94.8		0.0	189.0	





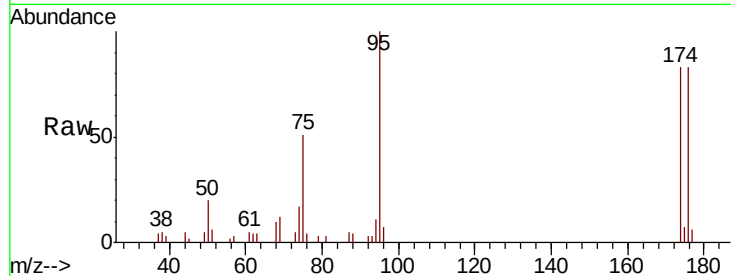
#57
4-Bromofluorobenzene
Concen: 8.12 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.6	65.6	98.4
176	85.3	62.0	93.0

Manual Integrations
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MMDadoda
9/10/2018 9:52:38 AM

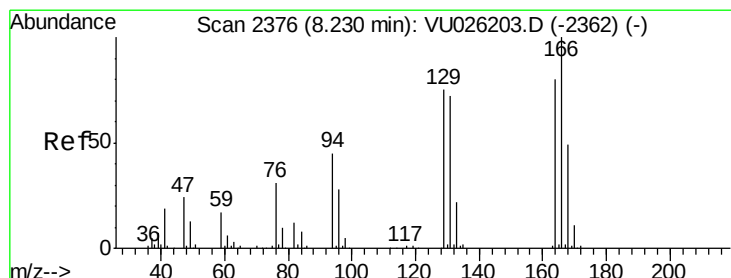
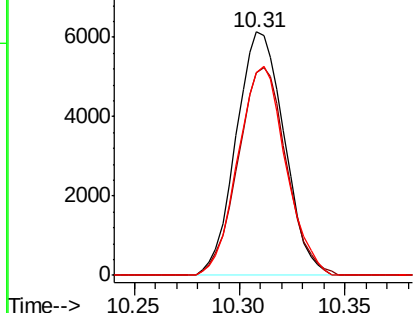
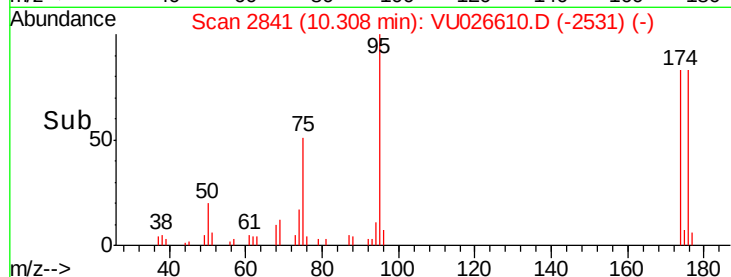


Abundance

Ion 95.00 (94.70 to 95.70): VU026610.D (-2531) (-)

Ion 174.00 (173.70 to 174.70): VU026610.D (-2531) (-)

Ion 176.00 (175.70 to 176.70): VU026610.D (-2531) (-)



#58
Tetrachloroethene
Concen: 7.85 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.9	104.1	156.1
129	92.3	76.8	115.2
131	89.3	72.6	108.8

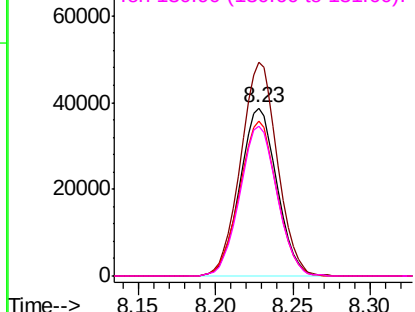
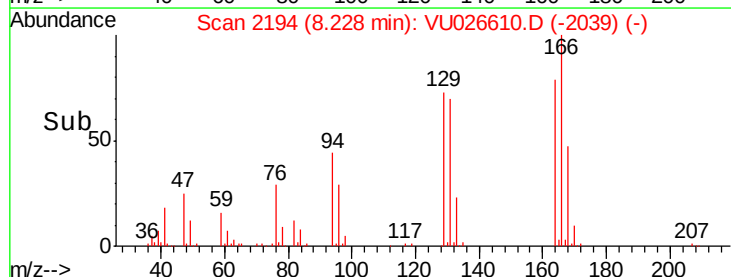
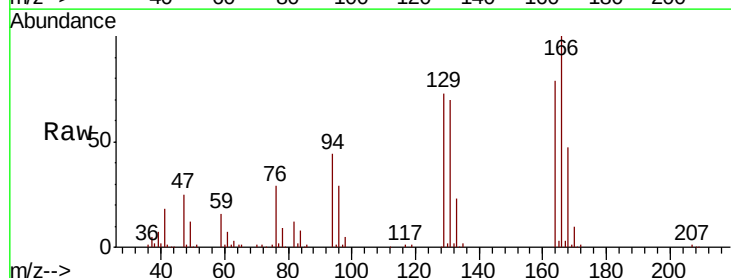
Abundance

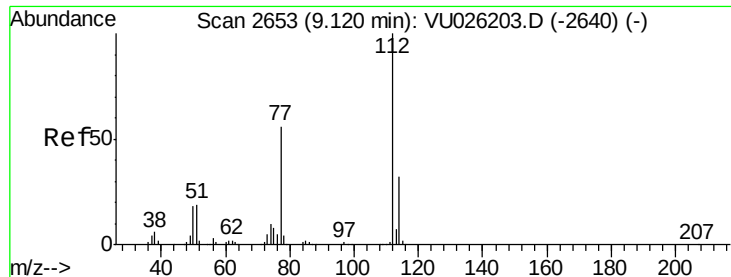
Ion 163.85 (163.55 to 164.55): VU026610.D (-2039) (-)

Ion 165.80 (165.50 to 166.50): VU026610.D (-2039) (-)

Ion 128.90 (128.60 to 129.60): VU026610.D (-2039) (-)

Ion 130.90 (130.60 to 131.60): VU026610.D (-2039) (-)





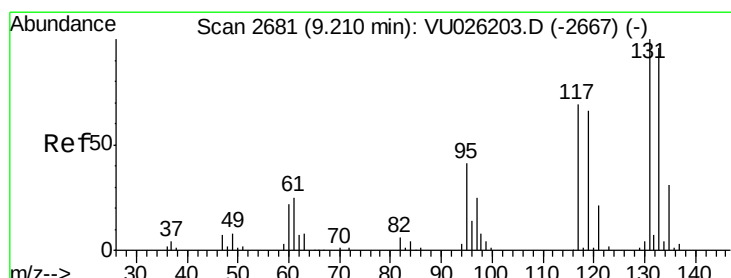
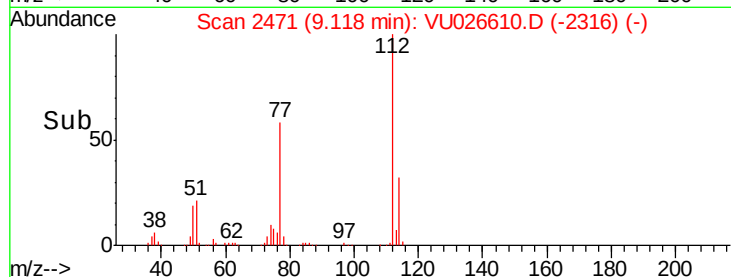
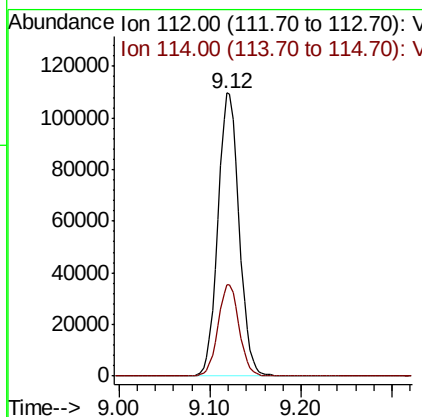
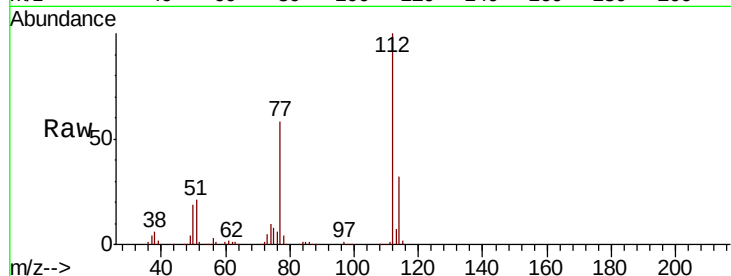
#59
Chlorobenzene
Concen: 8.68 ug/l
RT: 9.12 min Scan# 2471
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.4	38.2

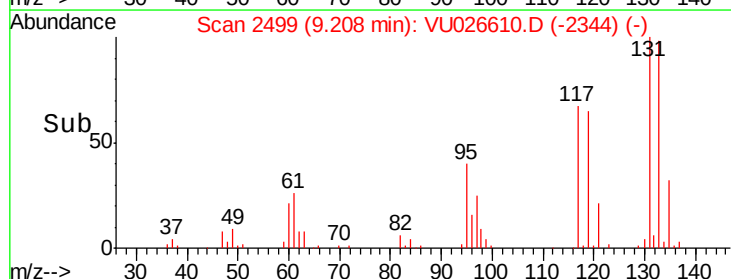
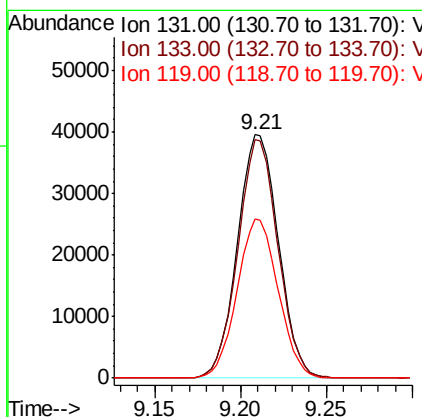
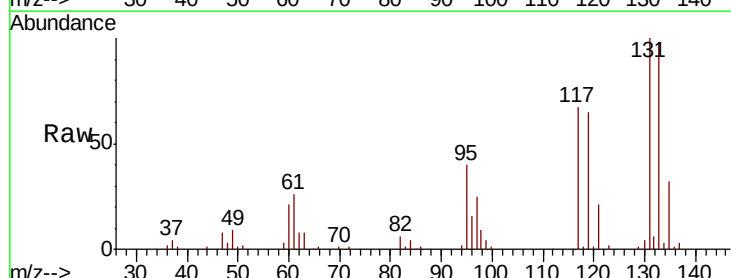
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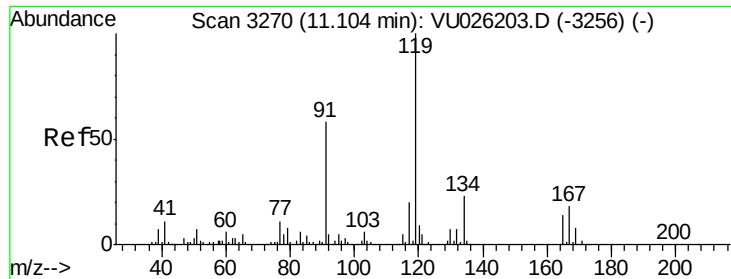
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#60
1,1,1,2-Tetrachloroethane
Concen: 8.05 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	75.8	113.8
119	65.5	53.0	79.6





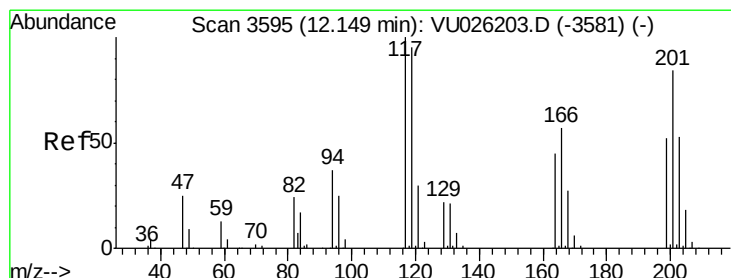
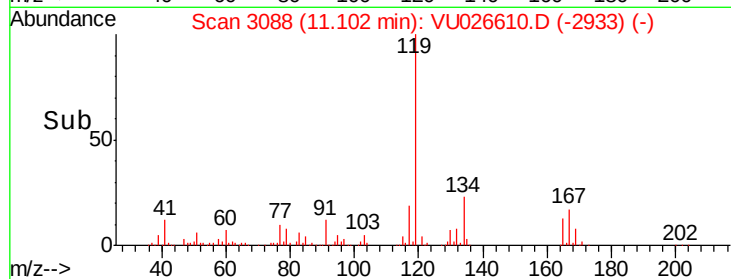
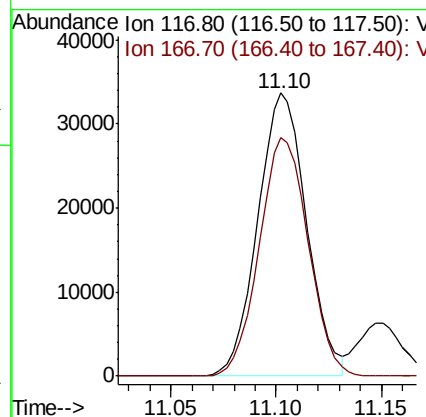
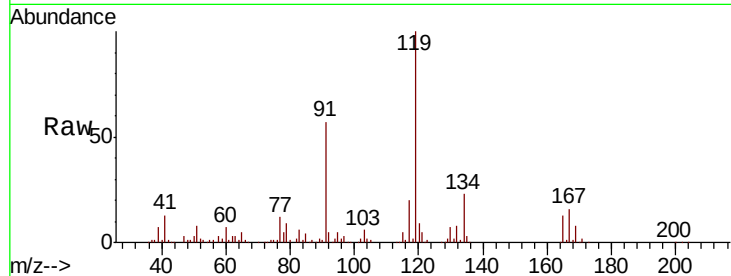
#61
 Pentachloroethane
 Concen: 7.80 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
117	100		
167	84.6	69.2	103.8

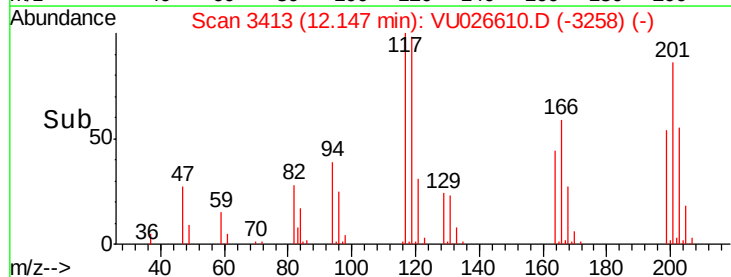
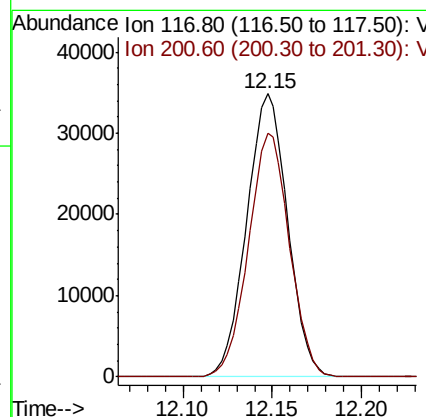
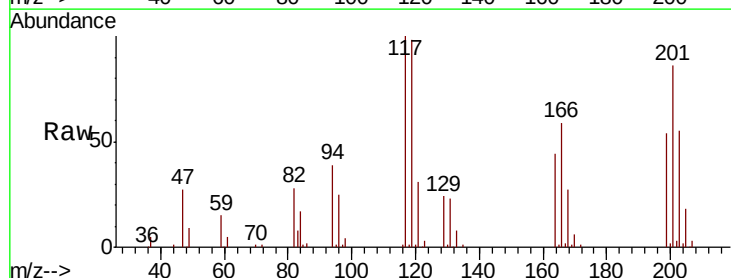
Manual Integrations
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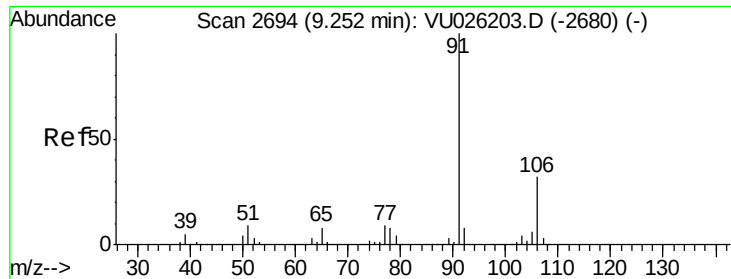
MMDadoda
 9/10/2018 9:52:38 AM



#62
 Hexachloroethane
 Concen: 8.09 ug/l
 RT: 12.15 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	68.7	103.1





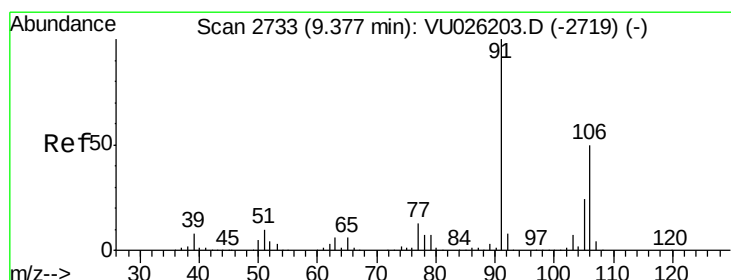
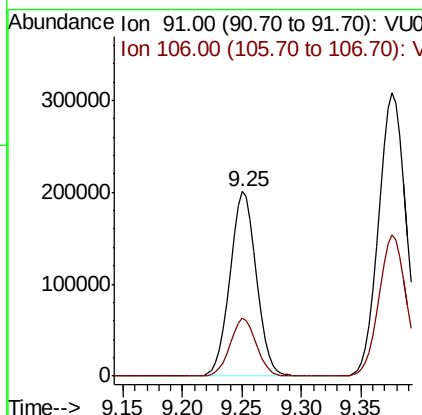
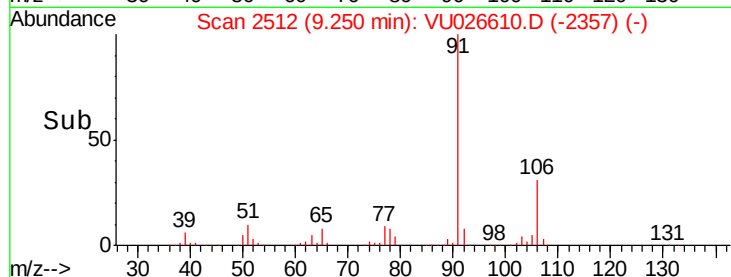
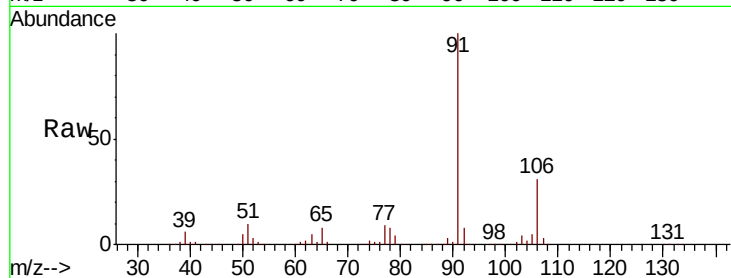
#63
Ethyl Benzene
Concen: 9.54 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 308873
Ion Ratio Lower Upper
91 100
106 31.3 24.7 37.1

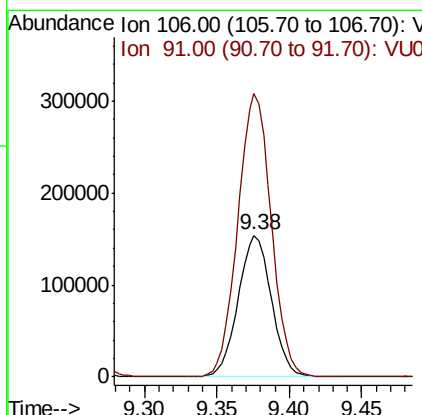
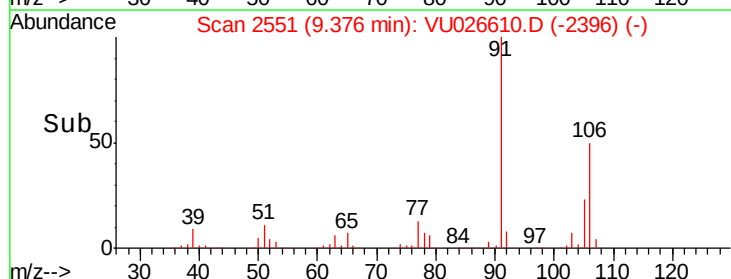
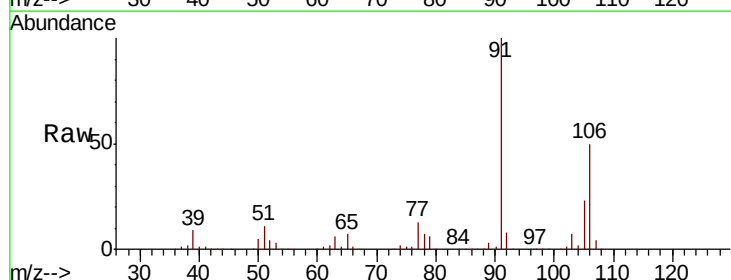
Manual Integrations
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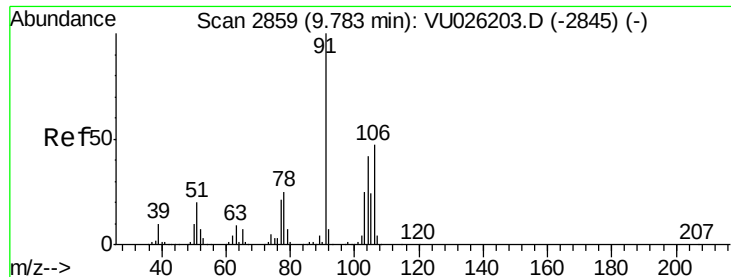
MMDadoda
9/10/2018 9:52:38 AM



#64
m/p-Xylenes
Concen: 18.98 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion: 106 Resp: 245303
Ion Ratio Lower Upper
106 100
91 201.2 164.1 246.1





#65

o-Xylene

Concen: 9.48 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:106 Resp: 116844

Ion Ratio Lower Upper

106 100

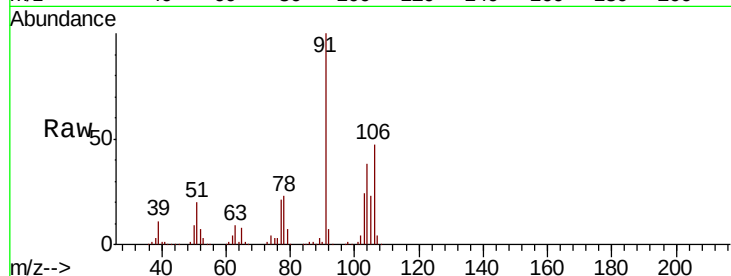
91 214.5 107.9 323.7

Manual Integrations

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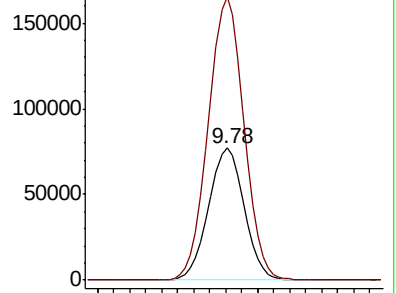
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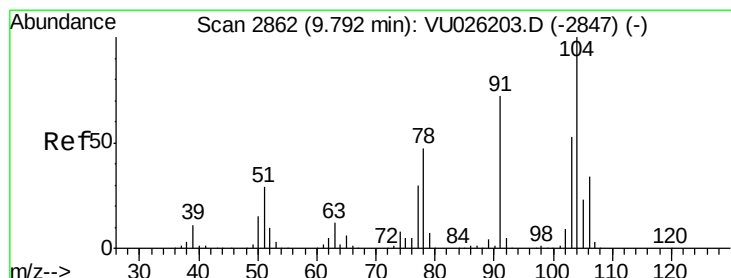
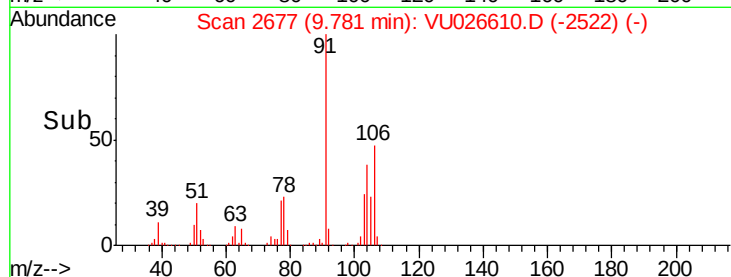


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#66

Styrene

Concen: 9.37 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

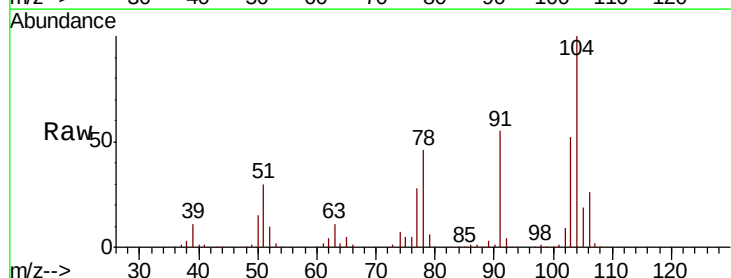
Tgt Ion:104 Resp: 197725

Ion Ratio Lower Upper

104 100

78 50.2 40.2 60.2

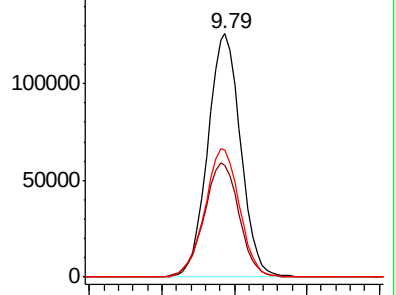
103 56.0 44.2 66.4



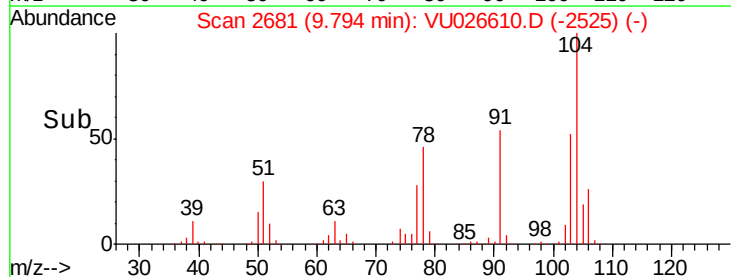
Abundance Ion 104.00 (103.70 to 104.70): V

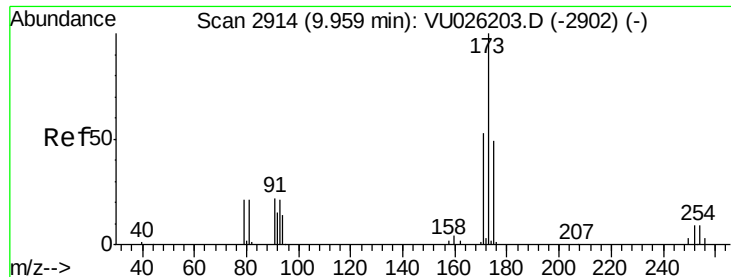
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



Time-->





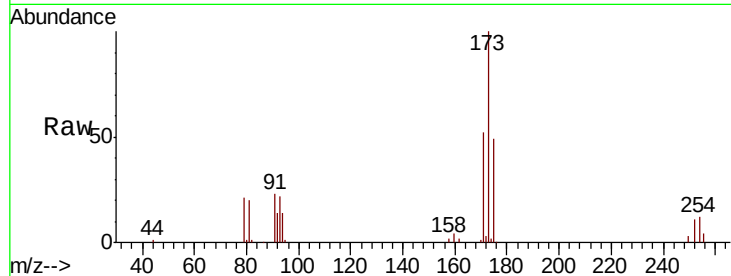
#67
Bromoform
Concen: 7.87 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

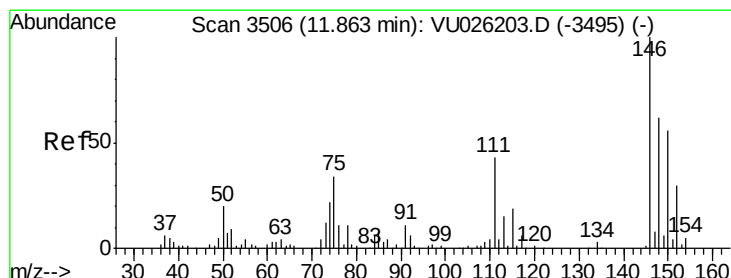
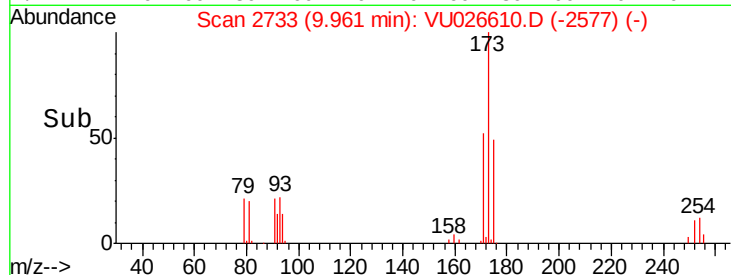
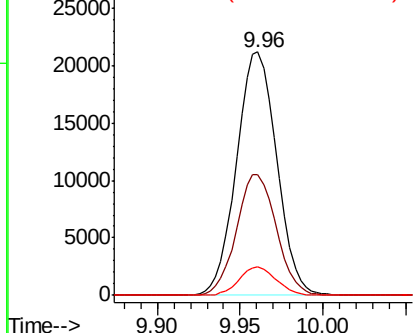
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	38.6	57.8
254	10.8	8.8	13.2

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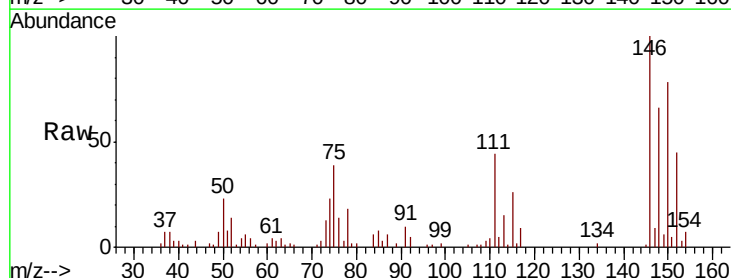


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

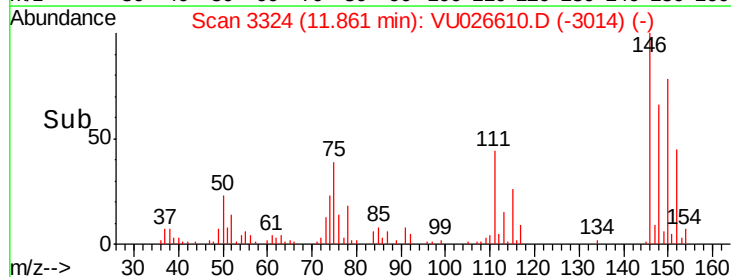
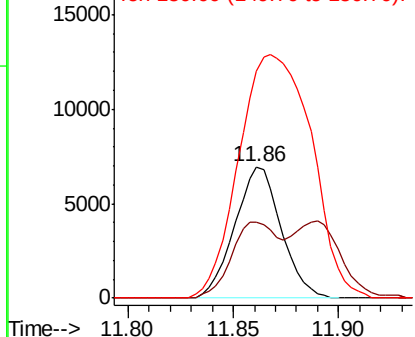


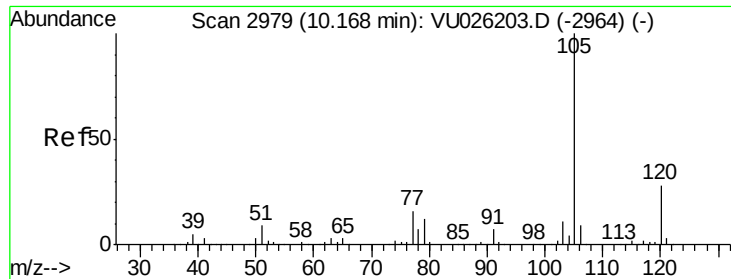
#68
1,2-Dichlorobenzene-d4
Concen: 7.87 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.4	0.0	118.8
150	291.2	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: 9.39 ug/l

RT: 10.17 min Scan# 2798

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 305781

Ion Ratio Lower Upper

105 100

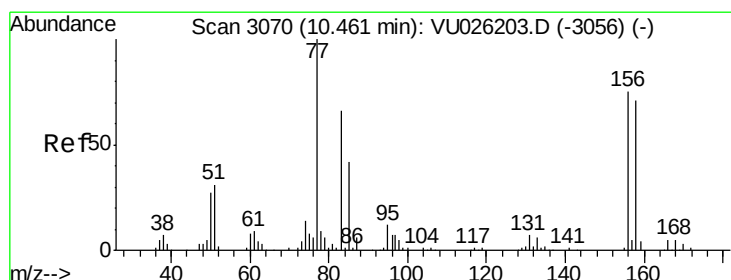
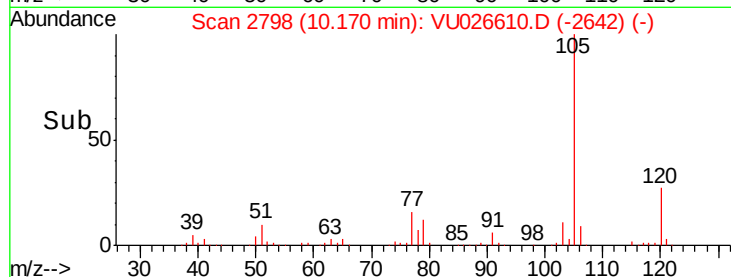
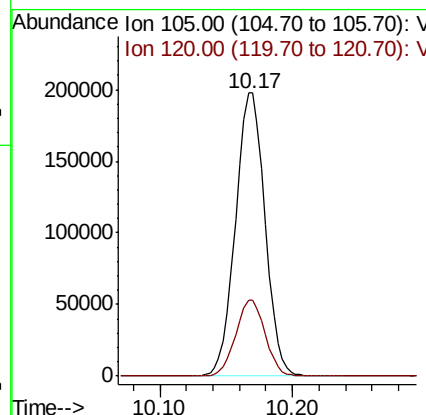
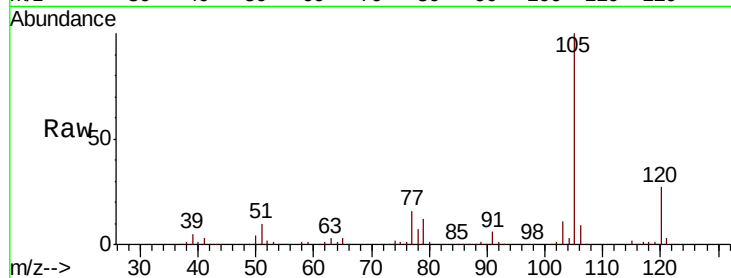
120 26.9 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 8.75 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

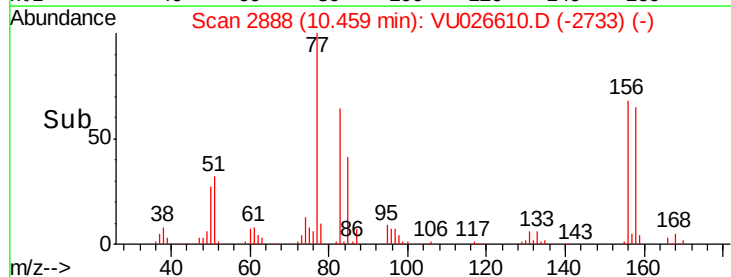
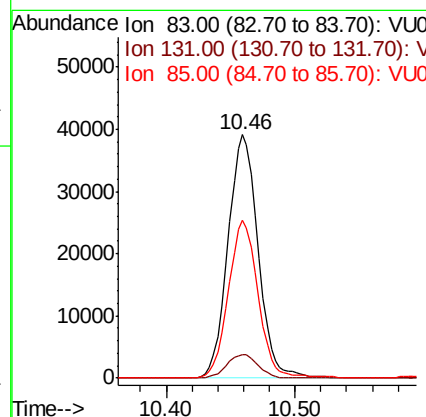
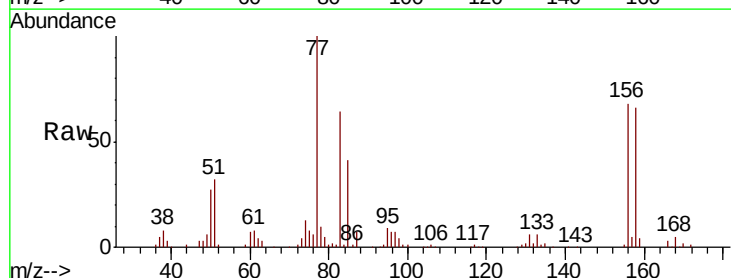
Tgt Ion: 83 Resp: 63183

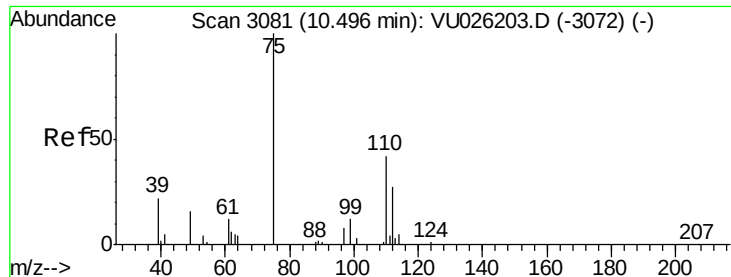
Ion Ratio Lower Upper

83 100

131 9.9 7.9 11.9

85 64.5 51.8 77.6





#71

1,2,3-Trichloropropane

Concen: 9.23 ug/l m

RT: 10.50 min Scan# 2900

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

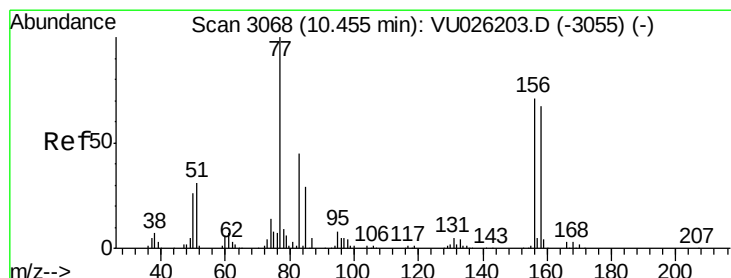
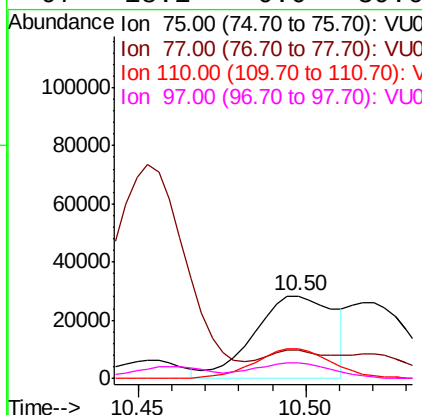
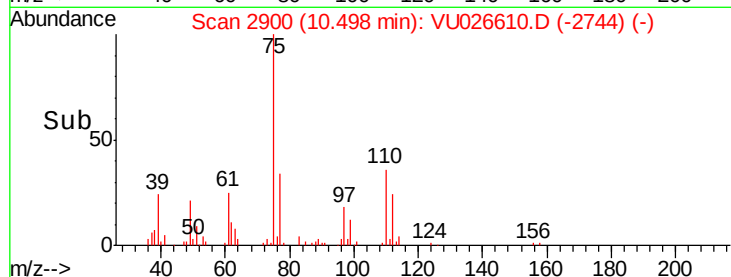
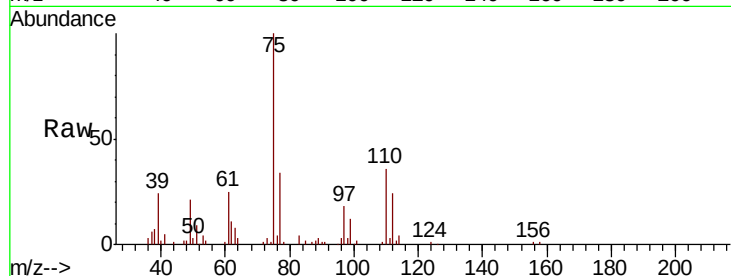
ClientSampleId :

VSTDCCC010

Tot Ion:	75	Resp:	47733
Ion	Ratio	Lower	Upper
75	100		
77	9.8	0.0	0.0#
110	33.3	0.0	74.0
97	18.1	0.0	39.6

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#72

Bromobenzene

Concen: 8.29 ug/l

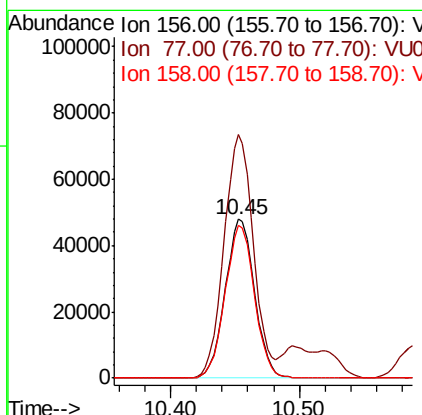
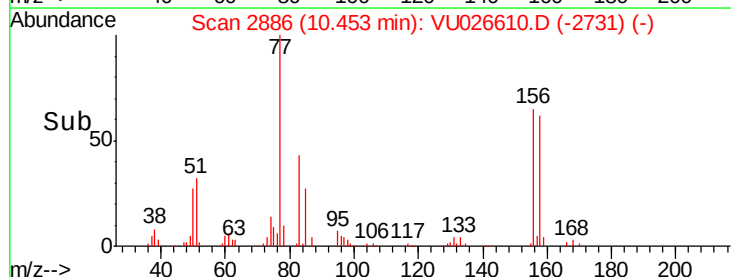
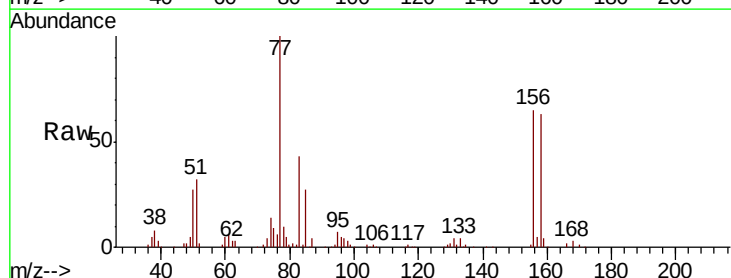
RT: 10.45 min Scan# 2886

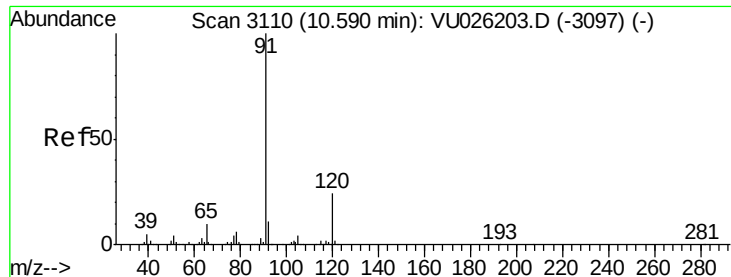
Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Tgt Ion:	156	Resp:	75627
Ion	Ratio	Lower	Upper
156	100		
77	153.5	0.0	309.8
158	96.1	0.0	193.0





#73

n-propylbenzene

Concen: 9.16 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 87237

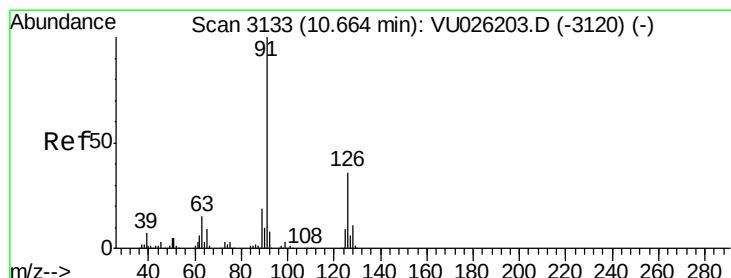
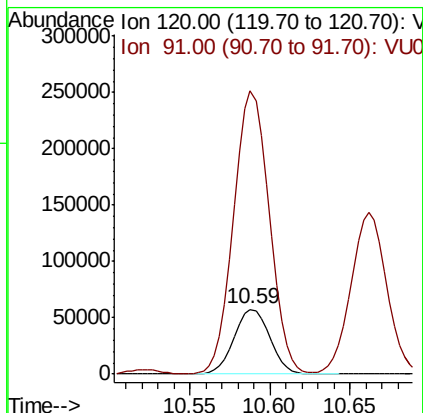
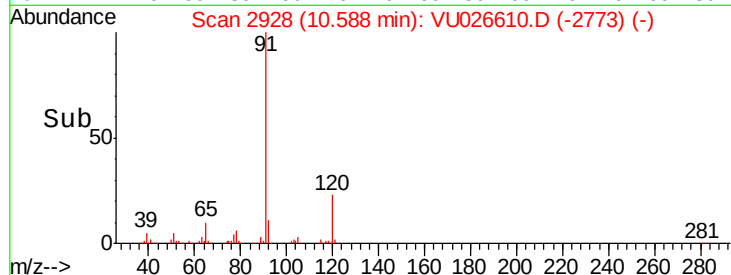
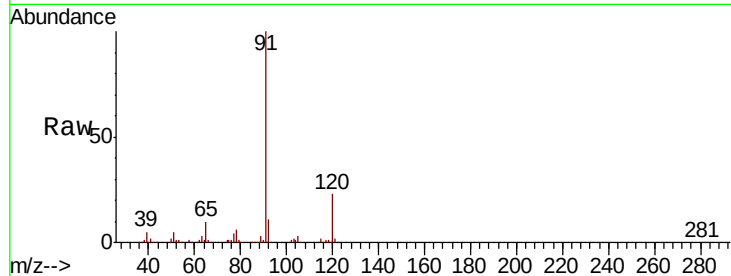
Ion Ratio Lower Upper

120 100

91 436.8 352.2 528.4

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#74

2-Chlorotoluene

Concen: 8.90 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026610.D

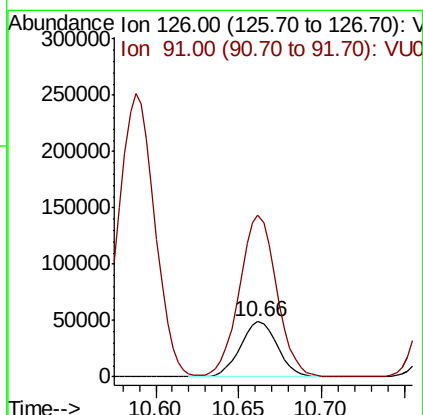
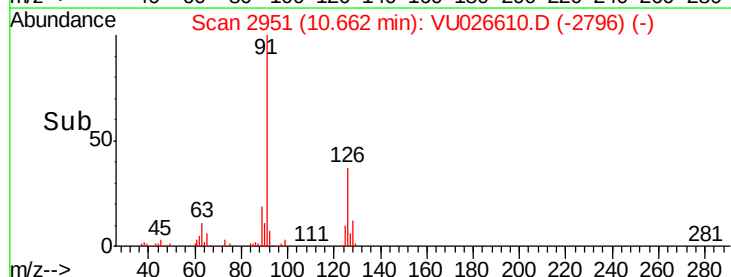
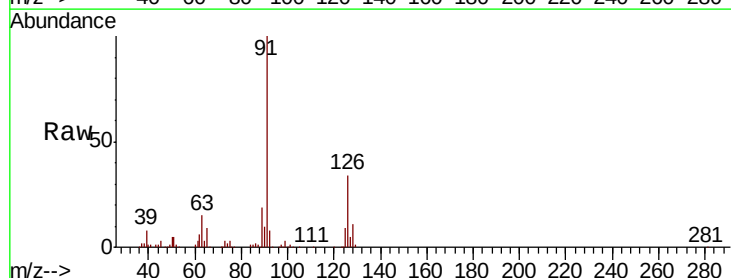
Acq: 07 Sep 2018 09:02

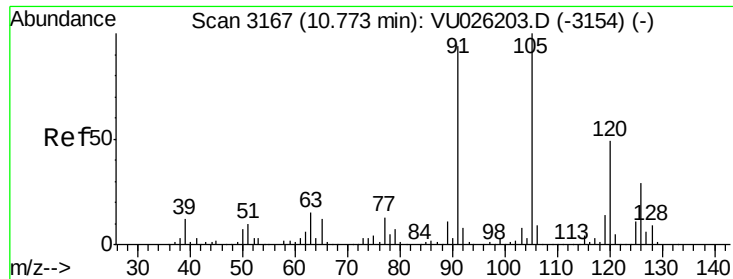
Tgt Ion:126 Resp: 76461

Ion Ratio Lower Upper

126 100

91 291.8 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 9.32 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 269921

Ion Ratio Lower Upper

105 100

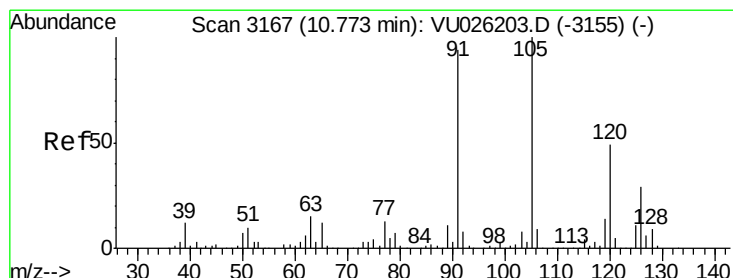
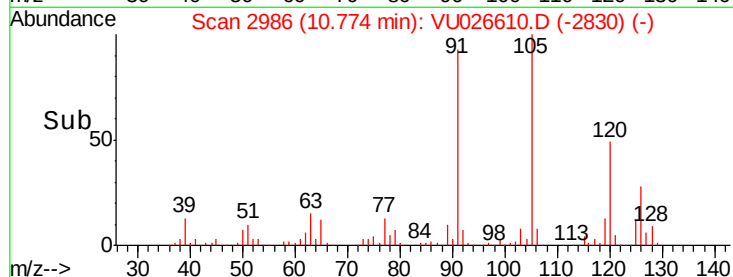
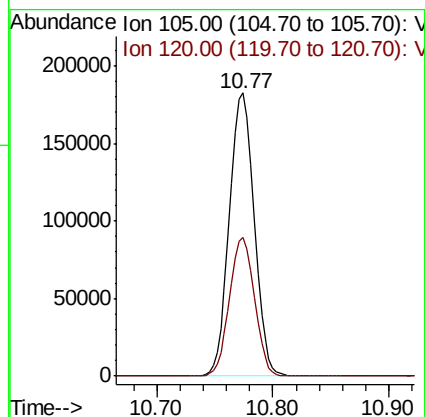
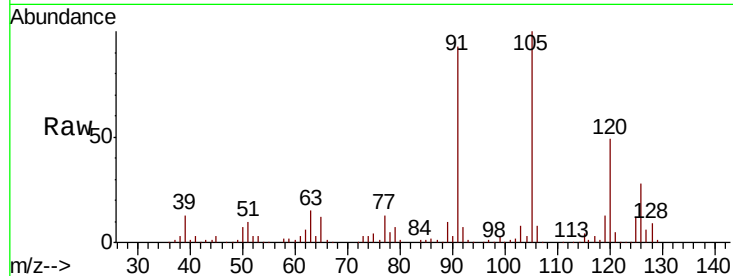
120 49.3 39.0 58.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 8.91 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026610.D

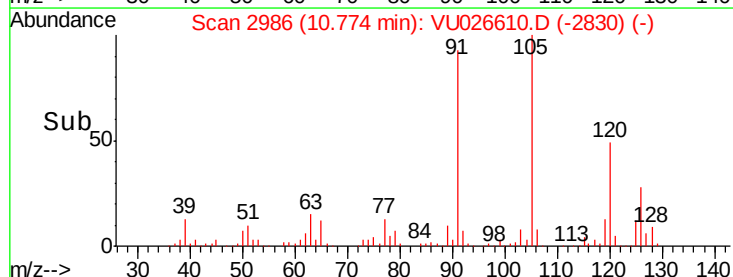
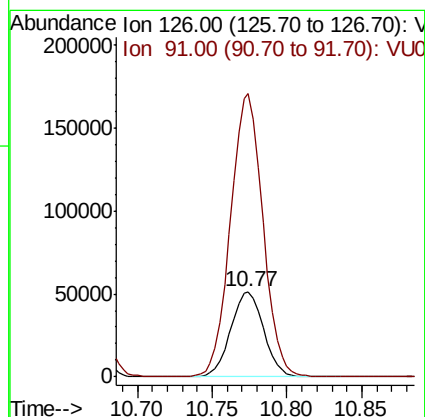
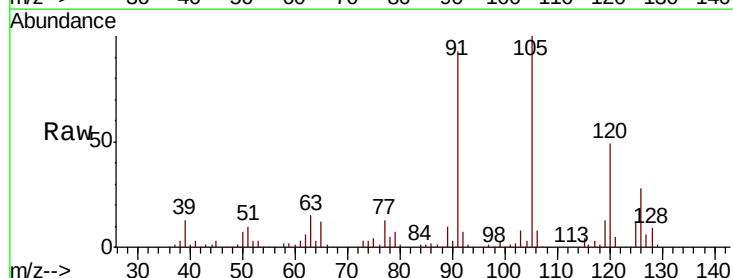
Acq: 07 Sep 2018 09:02

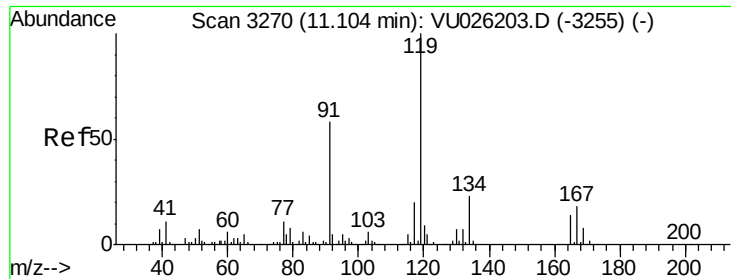
Tgt Ion:126 Resp: 78739

Ion Ratio Lower Upper

126 100

91 323.9 0.0 667.2





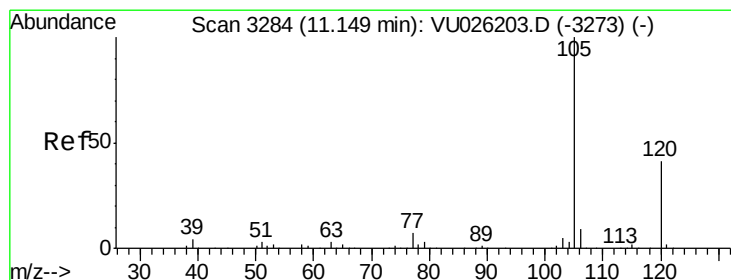
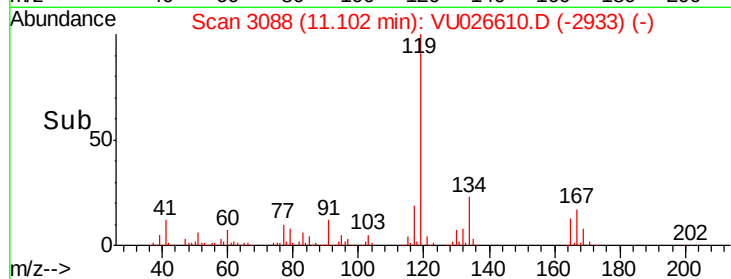
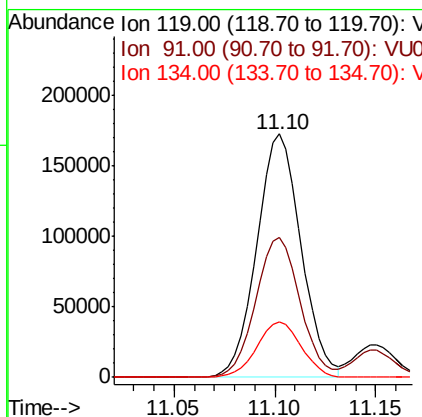
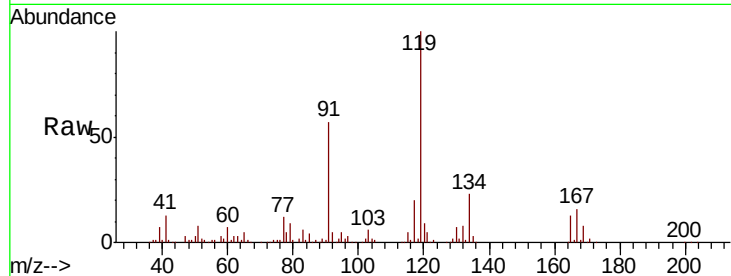
#77
 tert-Butylbenzene
 Concen: 9.13 ug/l
 RT: 11.10 min Scan# 3088
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	263253		
91	57.8	29.6	88.8	
134	23.0	19.1	28.7	

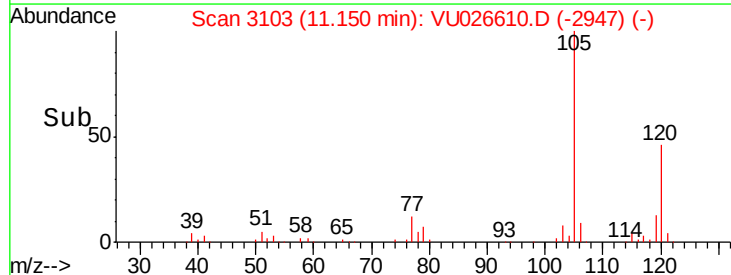
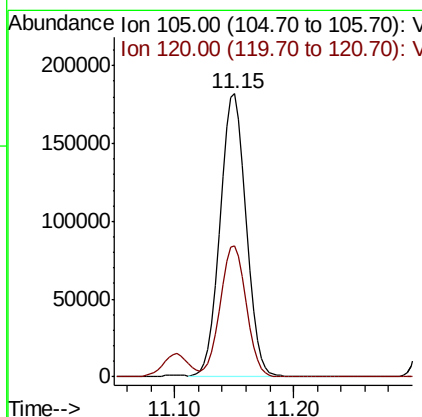
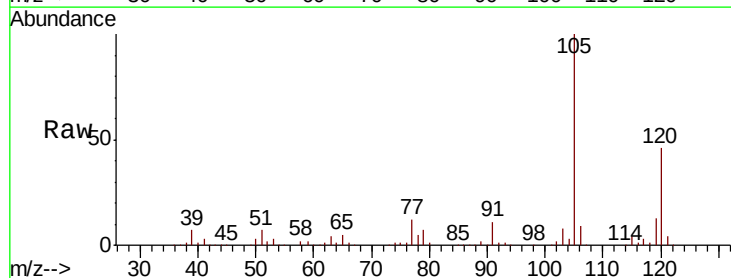
Manual Integrations
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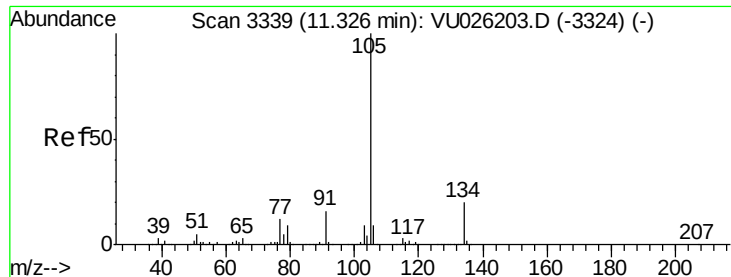
MMDadoda
 9/10/2018 9:52:38 AM



#78
 1,2,4-Trimethylbenzene
 Concen: 9.24 ug/l
 RT: 11.15 min Scan# 3103
 Delta R.T. 0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	276753		
120	46.4	23.1	69.3	





#79

sec-Butylbenzene

Concen: 9.27 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 350409

Ion Ratio Lower Upper

105 100

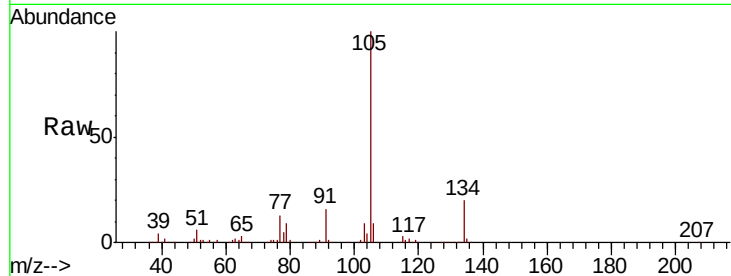
134 20.0 15.6 23.4

Manual Integrations

APPROVED

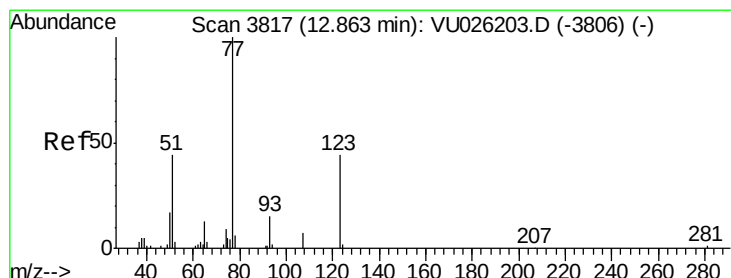
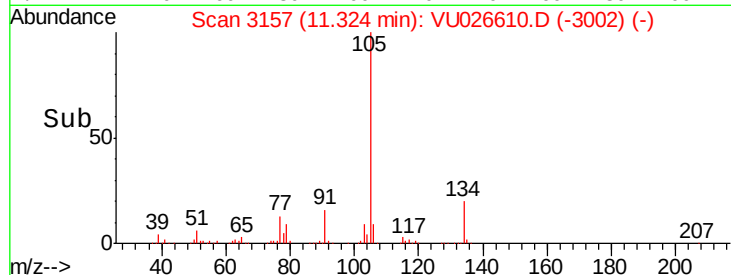
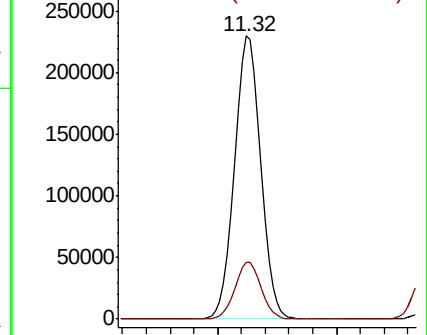
MMDadoda

9/10/2018 9:52:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 42.36 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. -0.00 min

Lab File: VU026610.D

Acq: 07 Sep 2018 09:02

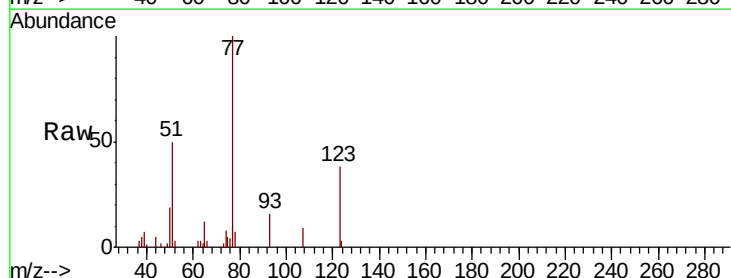
Tgt Ion: 77 Resp: 13367

Ion Ratio Lower Upper

77 100

123 40.5 19.4 68.6

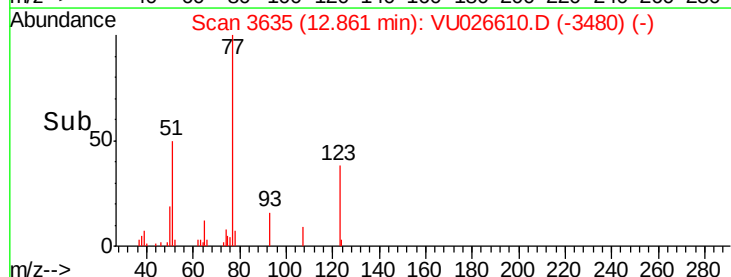
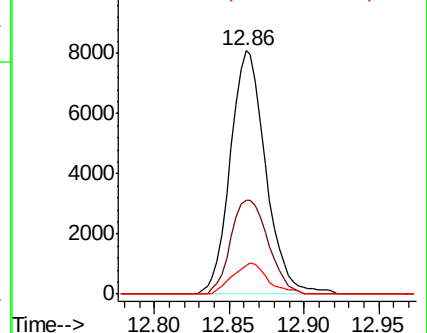
65 12.7 11.2 14.2

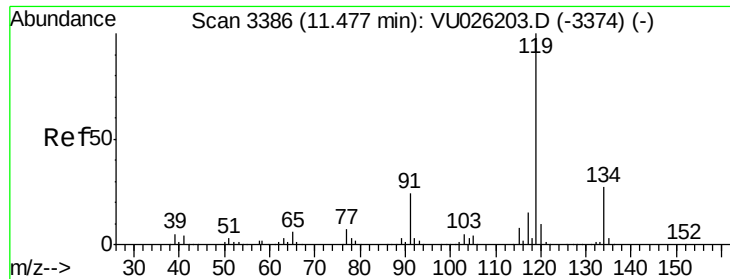


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





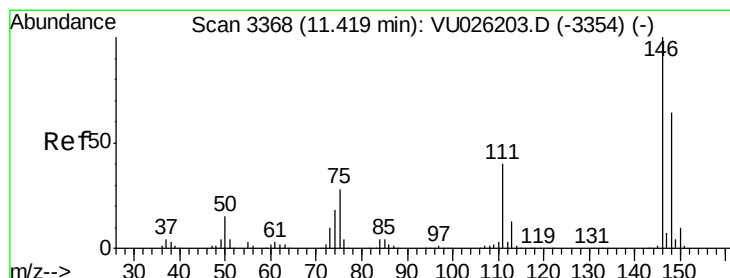
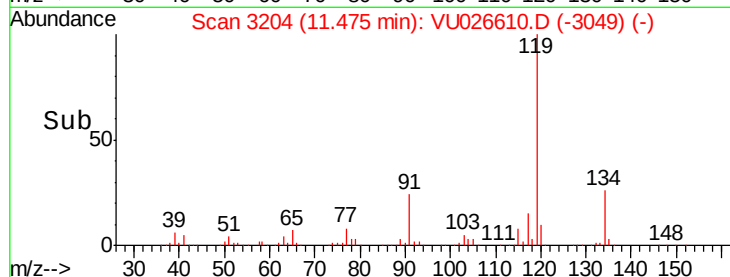
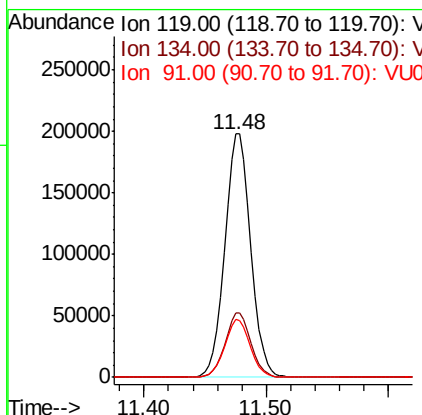
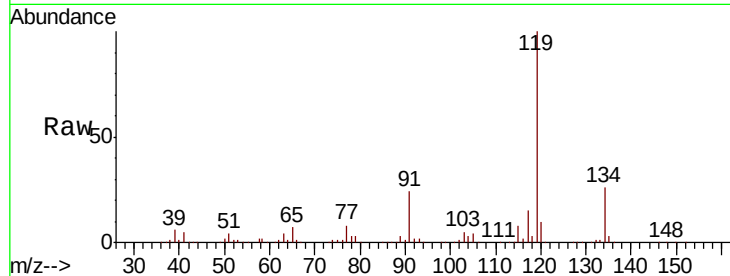
#81
 p-Isopropyltoluene
 Concen: 9.21 ug/l
 RT: 11.48 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	20.9	31.3
91	23.6	18.2	27.2

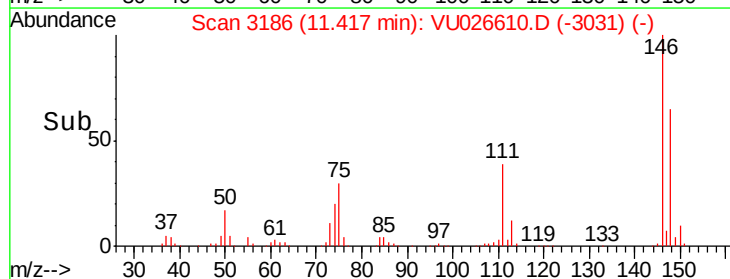
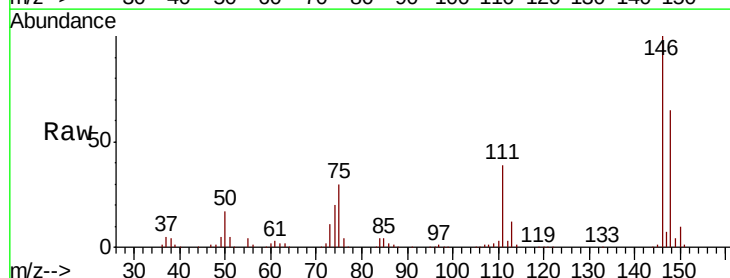
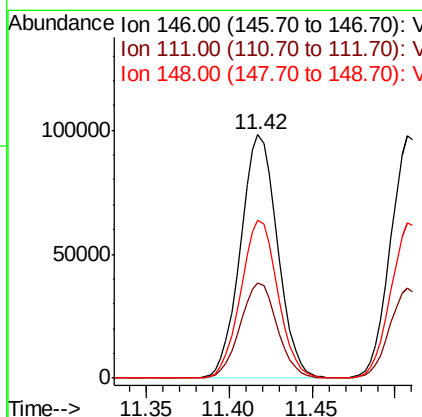
Manual Integrations
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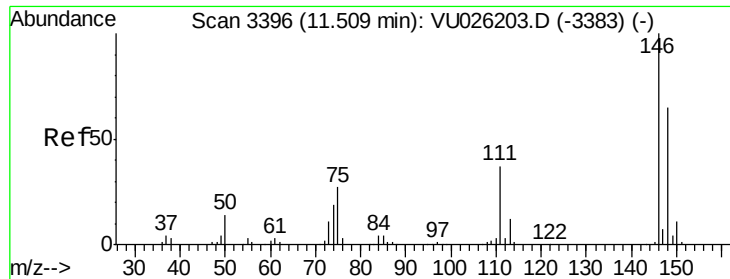
MMDadoda
 9/10/2018 9:52:38 AM



#82
 1,3-Dichlorobenzene
 Concen: 7.94 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	31.8	47.6
148	64.8	51.0	76.4





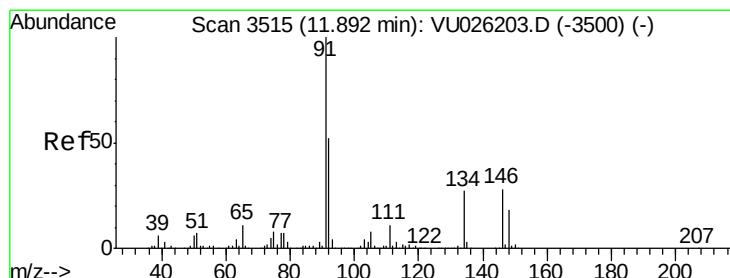
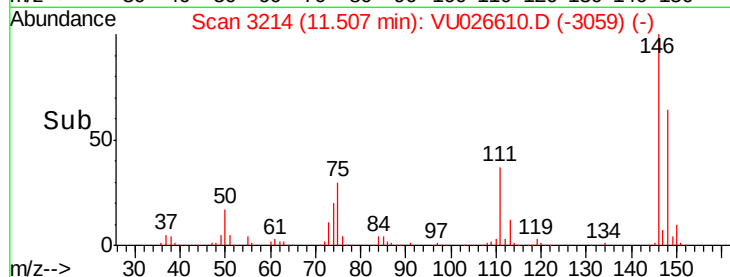
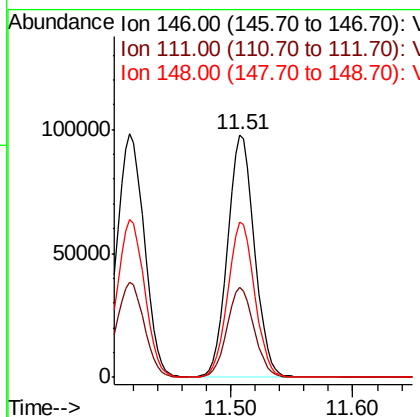
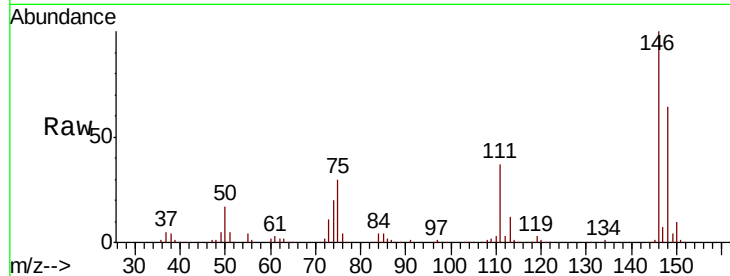
#83
 1,4-Dichlorobenzene
 Concen: 7.90 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	30.1	45.1
148	64.0	50.6	76.0

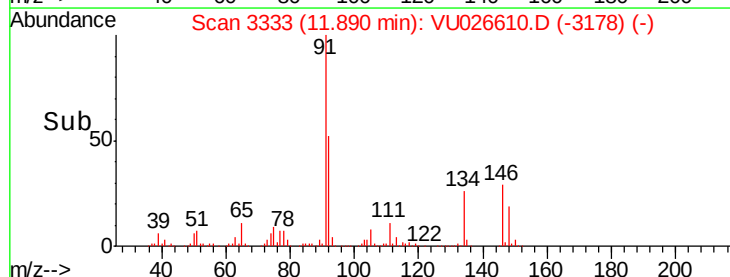
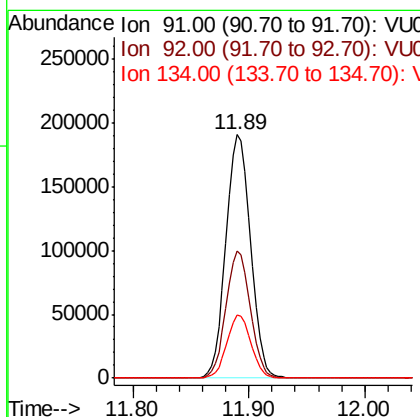
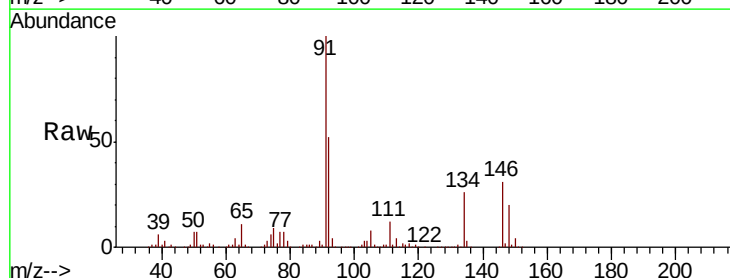
Manual Integrations
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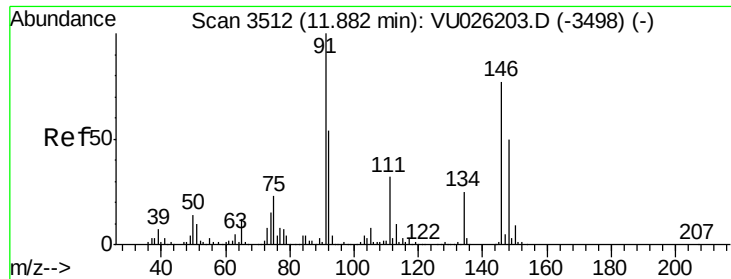
MMDadoda
 9/10/2018 9:52:38 AM



#84
 n-Butylbenzene
 Concen: 9.02 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	42.2	63.2
134	25.4	20.3	30.5





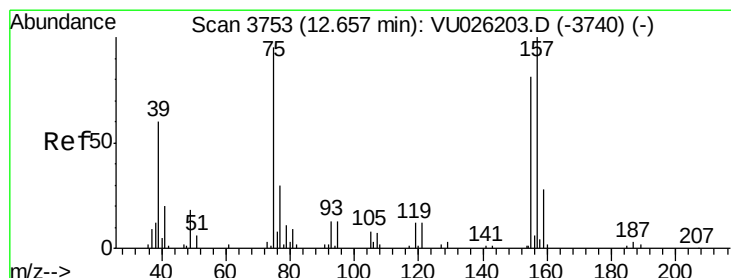
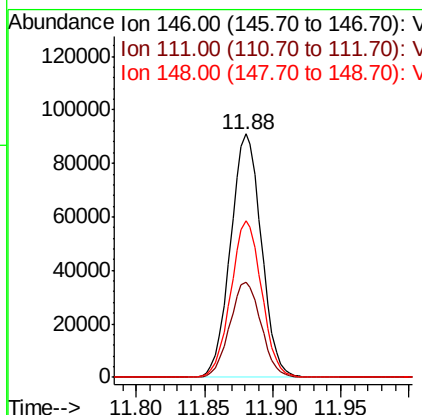
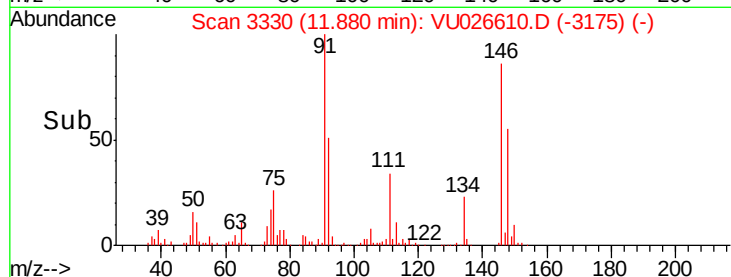
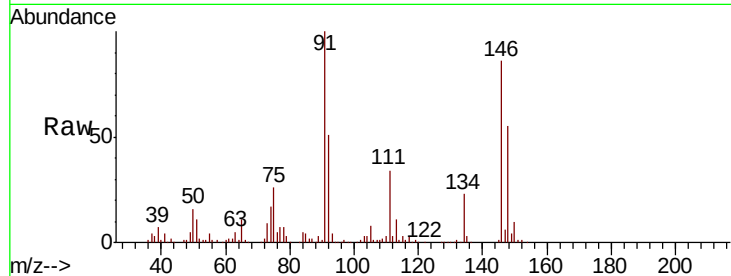
#85
 1,2-Dichlorobenzene
 Concen: 8.10 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.7	62.1
148	64.4	31.9	95.5

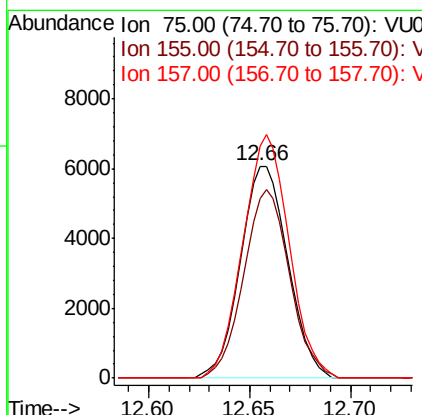
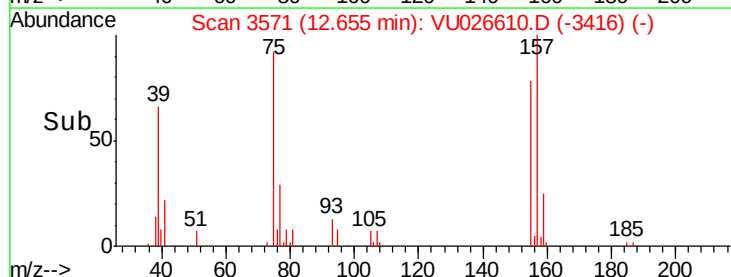
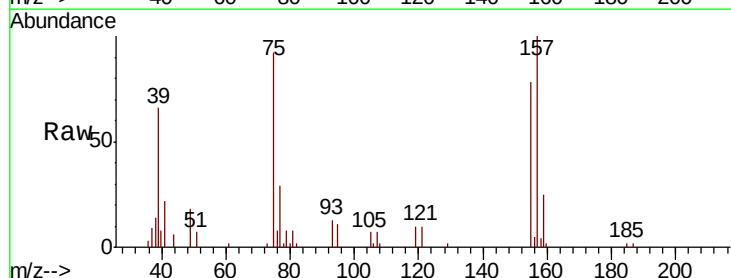
Manual Integrations
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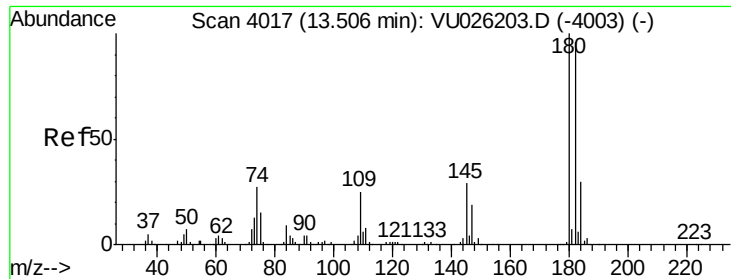
MMDadoda
 9/10/2018 9:52:38 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 7.86 ug/l
 RT: 12.66 min Scan# 3571
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.3	65.8	98.6
157	112.0	83.5	125.3





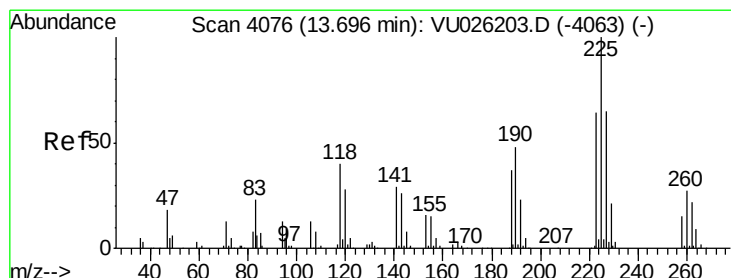
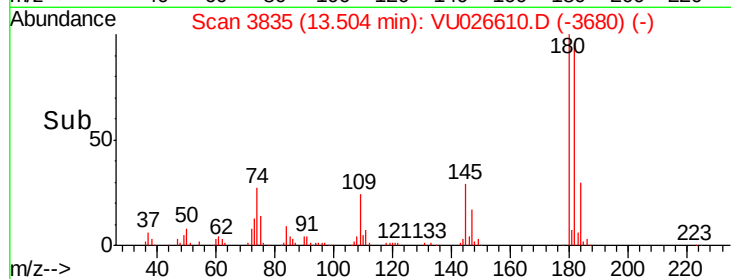
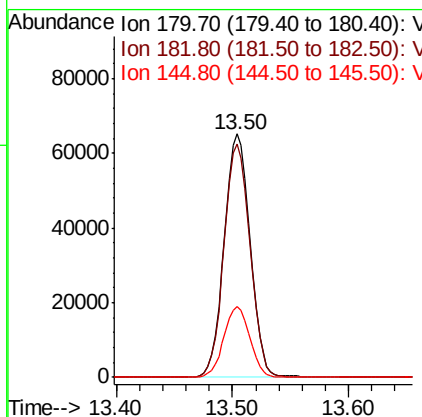
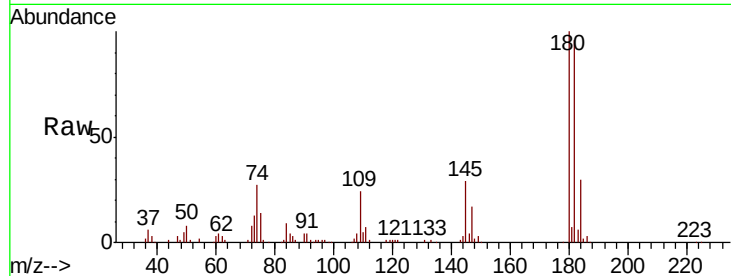
#87
 1,2,4-Trichlorobenzene
 Concen: 8.11 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	100640		
182	96.4		77.1	115.7
145	29.0		23.3	34.9

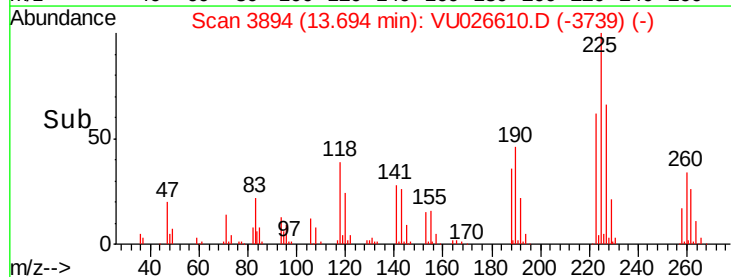
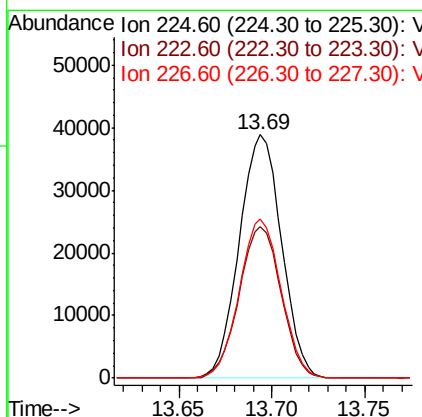
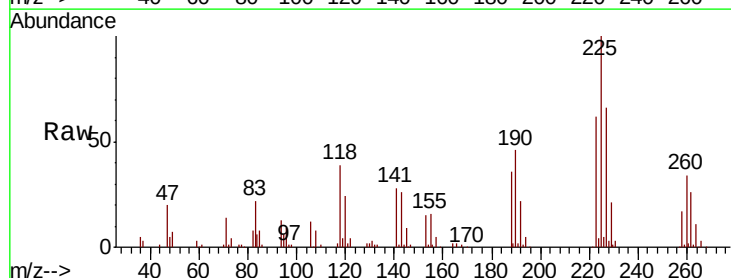
Manual Integrations
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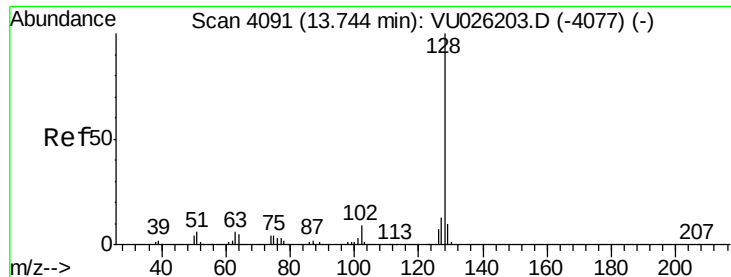
MMDadoda
 9/10/2018 9:52:38 AM



#88
 Hexachlorobutadiene
 Concen: 8.10 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026610.D
 Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61426		
223	61.8		50.6	75.8
227	64.5		51.8	77.6





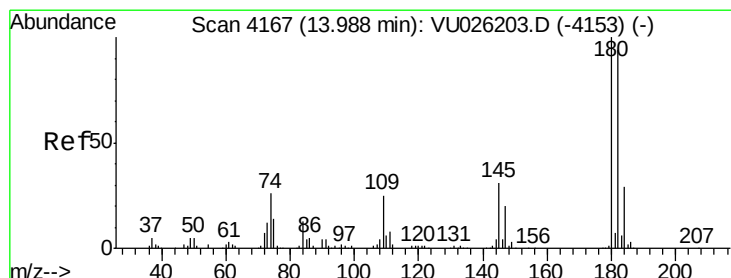
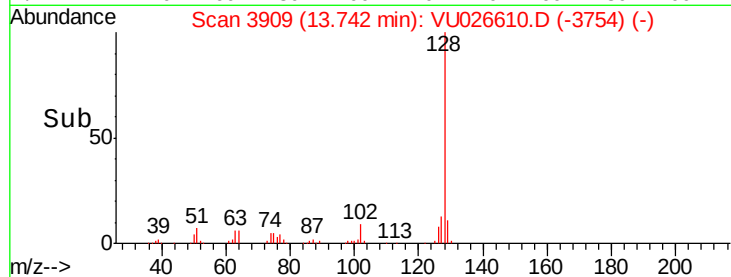
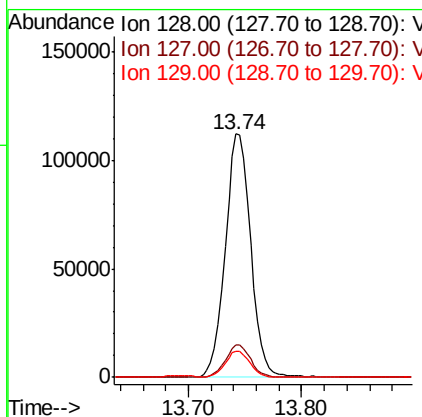
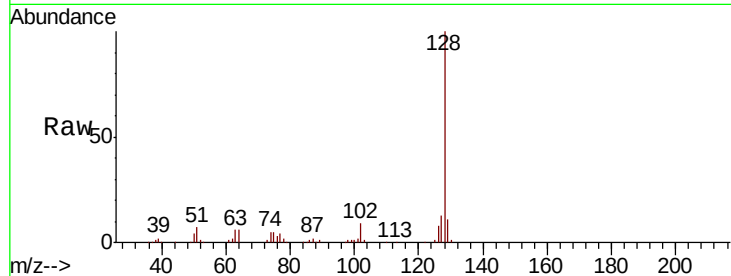
#89
Naphthalene
Concen: 8.99 ug/l
RT: 13.74 min Scan# 3909
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

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

Manual Integrations
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MMDadoda
9/10/2018 9:52:38 AM



#90
1,2,3-Trichlorobenzene
Concen: 8.28 ug/l
RT: 13.99 min Scan# 3985
Delta R.T. -0.00 min
Lab File: VU026610.D
Acq: 07 Sep 2018 09:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.8	115.2
145	29.9	24.6	36.8

