

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U090718\
 Data File : VU026617.D
 Acq On : 07 Sep 2018 12:22
 Operator : MD/SY
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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

Quant Time: Sep 07 23:07:17 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	27075	1.00	ug/l	0.00

System Monitoring Compounds

57) 4-Bromofluorobenzene	10.31	95	9602	0.99	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.00%	
68) 1,2-Dichlorobenzene-d4	11.86	152	10611	0.94	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.00%	

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.21	85	79554	7.55	ug/l	98
3) Chloromethane	1.32	50	95758	10.65	ug/l	99
4) Vinyl Chloride	1.40	62	93340	10.38	ug/l	100
5) Bromomethane	1.63	94	44055	8.91	ug/l	97
6) Chloroethane	1.70	64	57231	10.63	ug/l	100
7) Trichlorofluoromethane	1.89	101	117484	8.85	ug/l	99
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	70268	9.54	ug/l	97
9) 1,1-Dichloroethene	2.29	96	61135	9.72	ug/l	97
10) Iodomethane	2.41	142	57270	5.90	ug/l	99
11) Allyl Chloride	2.59	41	118105	11.17	ug/l	97
12) Acrylonitrile	2.94	53	31225	21.90	ug/l	98
13) Acetone	2.33	43	70834	65.08	ug/l	99
14) Carbon Disulfide	2.48	76	216155	9.95	ug/l	100
15) Methylene Chloride	2.70	84	72587	11.07	ug/l	98
16) trans-1,2-Dichloroethene	2.98	96	69206	9.51	ug/l	97
17) 1,1-Dichloroethane	3.44	63	123477	9.28	ug/l	99
18) 2-Butanone	4.28	43	96458	47.27	ug/l	99
19) Cyclohexane	4.99	56	90581	9.26	ug/l	91
20) Methylcyclohexane	6.41	83	104975	9.16	ug/l	97
21) 2,2-Dichloropropane	4.23	77	96879	7.08	ug/l	100
22) cis-1,2-Dichloroethene	4.23	96	69722	7.90	ug/l	96
23) Diethyl Ether	2.11	59	50917	10.58	ug/l	97
24) tert-Butyl Alcohol	2.85	59	53165	107.89	ug/l #	82
25) Methyl tert-Butyl Ether	3.01	73	164201	10.02	ug/l	100
26) Bromochloromethane	4.55	128	29093	7.37	ug/l	93
27) Chloroform	4.67	83	120520	7.83	ug/l	99
28) 1,1,1-Trichloroethane	4.92	97	99808	7.29	ug/l	99
29) 1,1-Dichloropropene	5.13	75	91918	8.52	ug/l	98
30) Carbon Tetrachloride	5.13	117	91830	7.11	ug/l	99
31) Isopropyl Ether	3.58	45	193477	8.82	ug/l	96
32) Ethyl-t-butyl ether	4.08	59	166849	8.69	ug/l	96
33) Tert-Amyl methyl ether	5.58	73	144733	8.82	ug/l	99
34) Propionitrile	4.34	54	26447	45.51	ug/l #	93
35) Benzene	5.39	78	266435	8.54	ug/l	99
36) 1,2-Dichloroethane	5.41	62	75999	7.86	ug/l	99
37) Trichloroethene	6.19	130	69102	7.87	ug/l	98
38) 1,2-Dichloropropane	6.44	63	71230	8.81	ug/l	100
39) Methacrylonitrile	4.55	41	22185	9.04	ug/l	93
40) Methyl acrylate	4.43	55	32809	8.82	ug/l #	97
41) Tetrahydrofuran	4.66	42	22533	16.51	ug/l	95
42) 1-Chlorobutane	5.07	56	129801	8.89	ug/l	99

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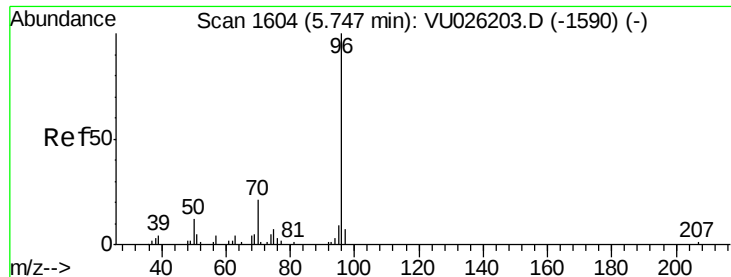
Manual Integrations
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MMDadoda
 9/10/2018 9:52:52 AM

Quant Time: Sep 07 23:07:17 2018
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 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)
43) Dibromomethane	6.56	93	34363	8.00	ug/l	100
44) Bromodichloromethane	6.76	83	86321	7.79	ug/l	99
45) 4-Methyl-2-Pentanone	7.47	43	208372	47.88	ug/l	99
46) t-1,4-Dichloro-2-butene	10.52	75	29986m	13.81	ug/l	
47) Methyl methacrylate	6.63	69	61335	18.70	ug/l	97
48) Ethyl methacrylate	8.02	69	58877	9.81	ug/l	100
49) Toluene	7.64	92	159087	8.93	ug/l	97
50) t-1,3-Dichloropropene	7.88	75	77659	8.21	ug/l	99
51) cis-1,3-Dichloropropene	7.27	75	93316	8.51	ug/l	97
52) 1,1,2-Trichloroethane	8.07	97	47396	8.14	ug/l	96
53) 1,3-Dichloropropane	8.24	76	81886	8.46	ug/l	100
54) 2-Hexanone	8.37	43	148088	47.80	ug/l	99
55) Dibromochloromethane	8.48	129	57984	7.45	ug/l	99
56) 1,2-Dibromoethane	8.59	107	43839	7.74	ug/l	100
58) Tetrachloroethene	8.23	164	64365	7.75	ug/l	96
59) Chlorobenzene	9.12	112	171516	8.31	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	63252	7.69	ug/l	98
61) Pentachloroethane	11.10	117	51377	7.32	ug/l	98
62) Hexachloroethane	12.15	117	54051	7.72	ug/l	99
63) Ethyl Benzene	9.25	91	302557	9.24	ug/l	100
64) m/p-Xylenes	9.38	106	239870	18.35	ug/l	98
65) o-Xylene	9.78	106	113009	9.07	ug/l	98
66) Styrene	9.79	104	195330	9.16	ug/l	99
67) Bromoform	9.96	173	34225	7.46	ug/l	99
69) Isopropylbenzene	10.17	105	297397	9.03	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.46	83	59152	8.10	ug/l	99
71) 1,2,3-Trichloropropane	10.50	75	38809	7.42	ug/l #	96
72) Bromobenzene	10.45	156	73891	8.01	ug/l	99
73) n-propylbenzene	10.59	120	85178	8.84	ug/l	98
74) 2-Chlorotoluene	10.66	126	74421	8.56	ug/l	93
75) 1,3,5-Trimethylbenzene	10.77	105	264398	9.03	ug/l	99
76) 4-Chlorotoluene	10.77	126	78441	8.78	ug/l	98
77) tert-Butylbenzene	11.10	119	254543	8.73	ug/l	98
78) 1,2,4-Trimethylbenzene	11.15	105	273628	9.03	ug/l	99
79) sec-Butylbenzene	11.32	105	345021	9.03	ug/l	99
80) Nitrobenzene	12.86	77	12898	40.41	ug/l	96
81) p-Isopropyltoluene	11.48	119	291600	9.02	ug/l	98
82) 1,3-Dichlorobenzene	11.42	146	150240	7.74	ug/l	99
83) 1,4-Dichlorobenzene	11.51	146	151758	7.83	ug/l	99
84) n-Butylbenzene	11.89	91	281258	8.99	ug/l	99
85) 1,2-Dichlorobenzene	11.88	146	139897	7.85	ug/l	99
86) 1,2-Dibromo-3-Chloropropan	12.66	75	9529	7.41	ug/l	94
87) 1,2,4-Trichlorobenzene	13.50	180	101794	8.12	ug/l	100
88) Hexachlorobutadiene	13.69	225	61964	8.08	ug/l	98
89) Naphthalene	13.75	128	171686	8.69	ug/l	99
90) 1,2,3-Trichlorobenzene	13.99	180	97506	8.25	ug/l	98

(#) = 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. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

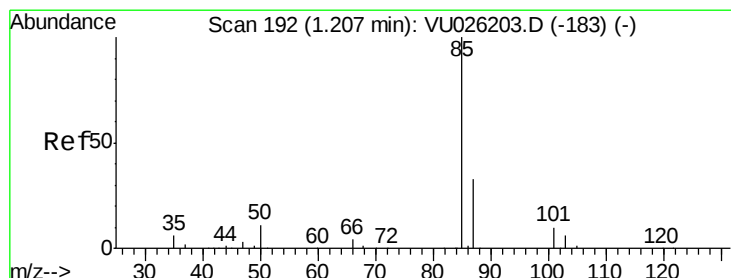
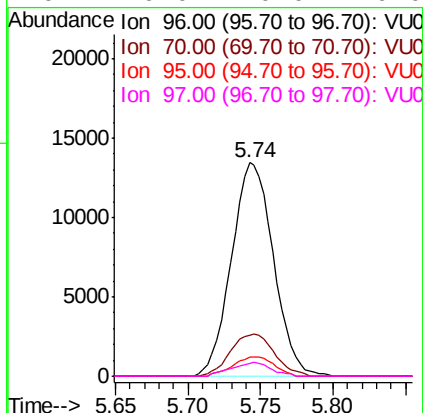
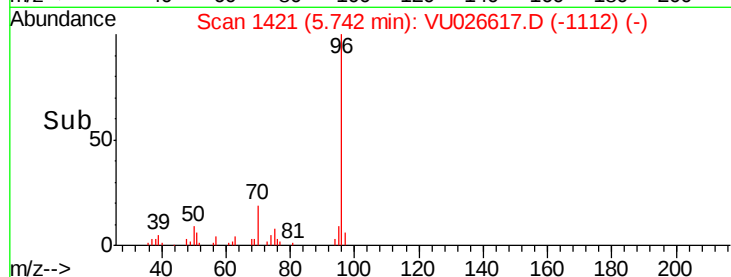
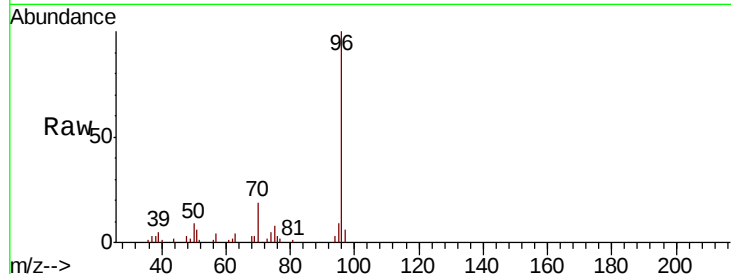
ClientSampleId :

VSTDCCC010EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		27075		
70	20.7	16.2	24.4		
95	8.9	6.9	10.3		
97	0.0	0.0	0.0		

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 7.55 ug/l

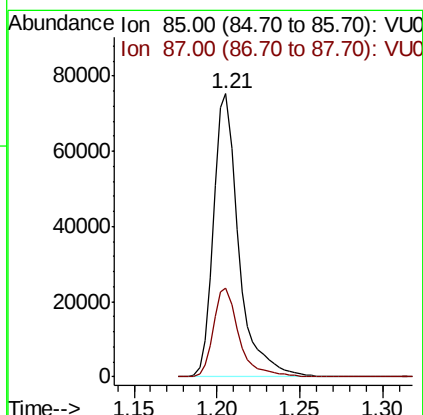
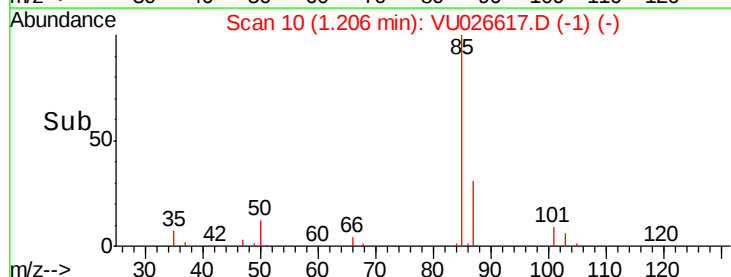
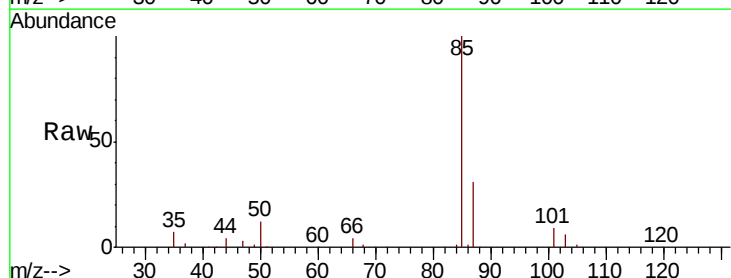
RT: 1.21 min Scan# 10

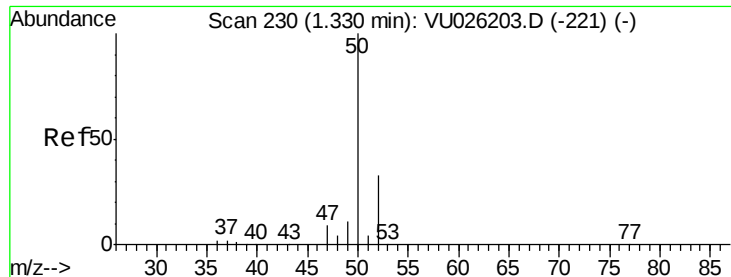
Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
85	100		79554		
87	31.4	16.2	48.5		





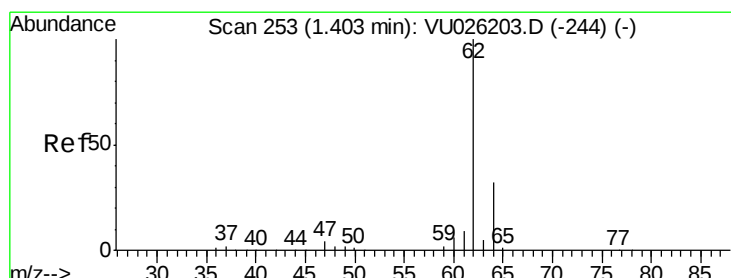
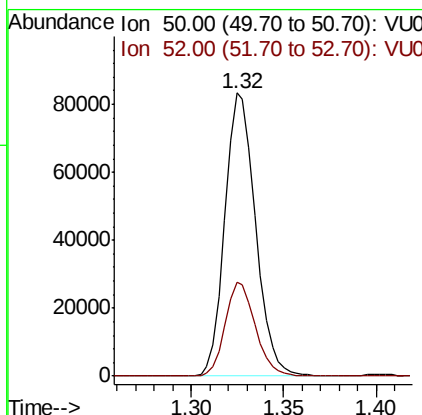
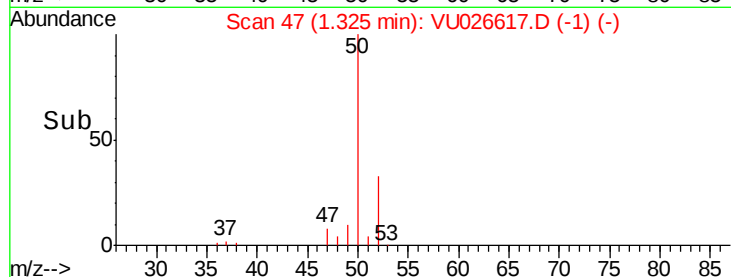
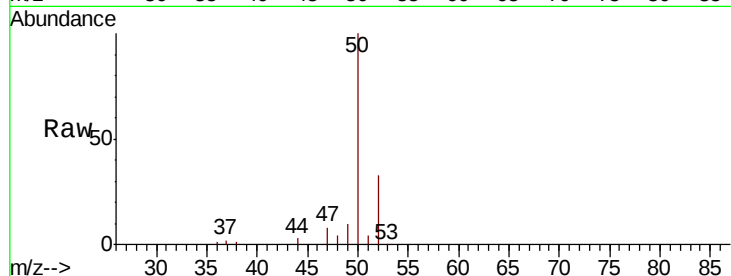
#3
Chloromethane
Concen: 10.65 ug/l
RT: 1.32 min Scan# 47
Delta R.T. -0.01 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
50	100		
52	33.1	26.0	39.0

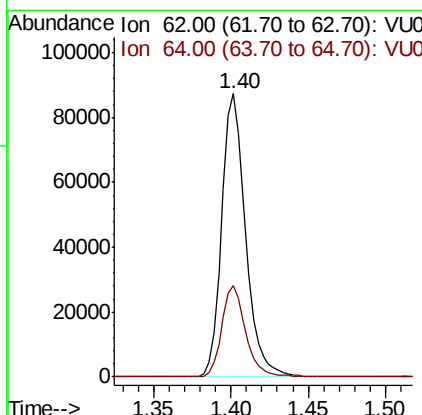
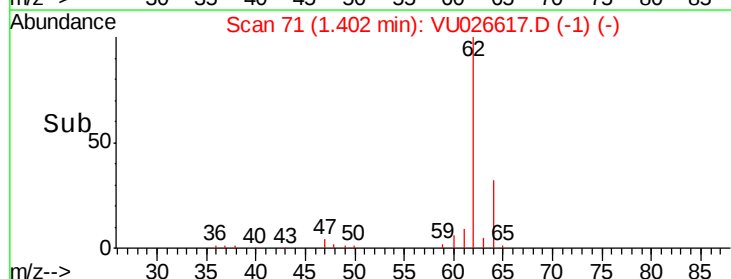
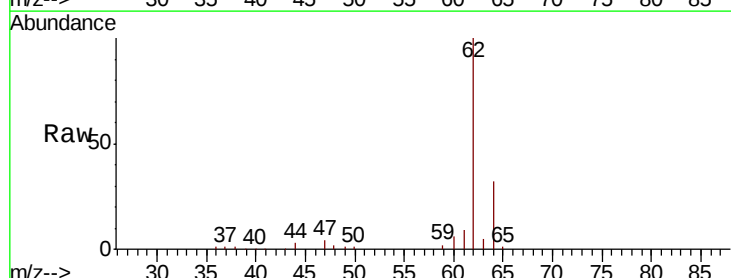
Manual Integrations
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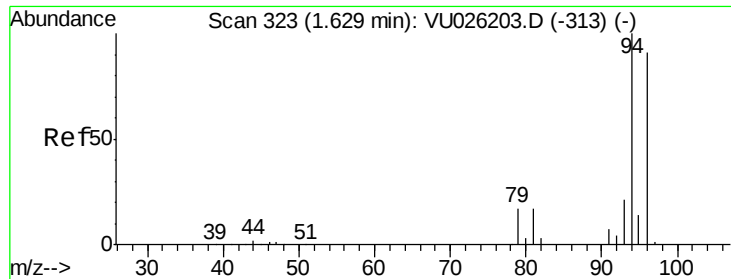
MMDadoda
9/10/2018 9:52:52 AM



#4
Vinyl Chloride
Concen: 10.38 ug/l
RT: 1.40 min Scan# 71
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.8	38.8





#5

Bromomethane

Concen: 8.91 ug/l

RT: 1.63 min Scan# 141

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 94 Resp: 44055

Ion Ratio Lower Upper

94 100

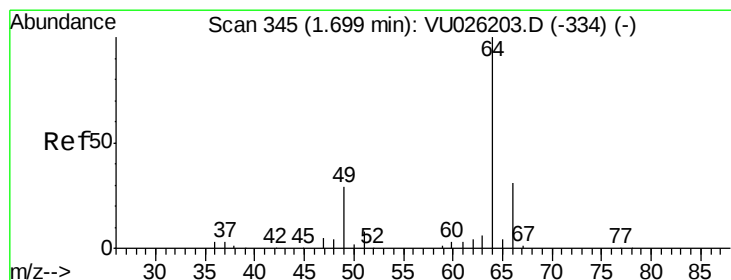
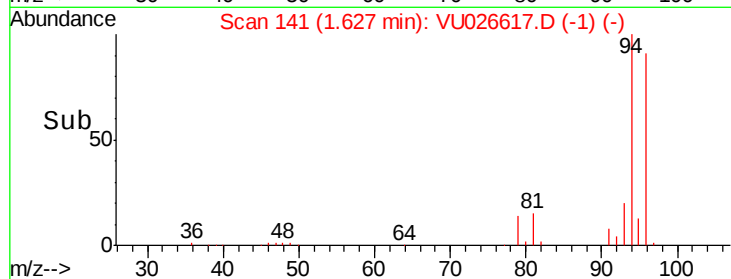
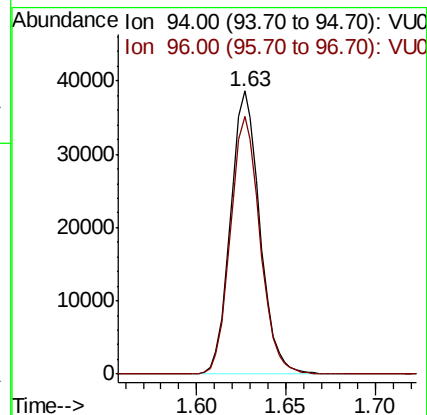
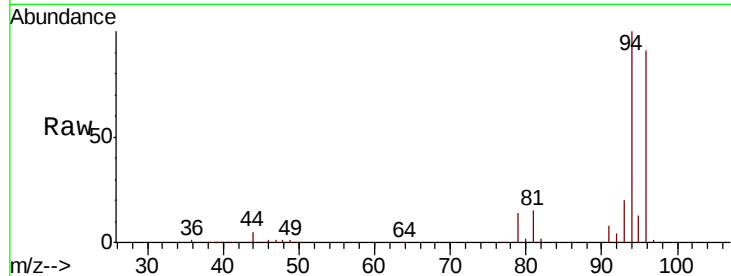
96 91.1 75.1 112.7

Manual Integrations

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#6

Chloroethane

Concen: 10.63 ug/l

RT: 1.70 min Scan# 163

Delta R.T. -0.00 min

Lab File: VU026617.D

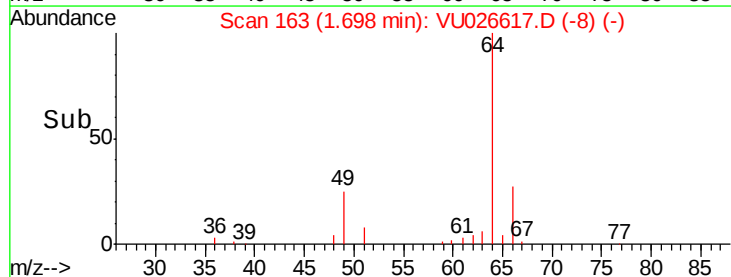
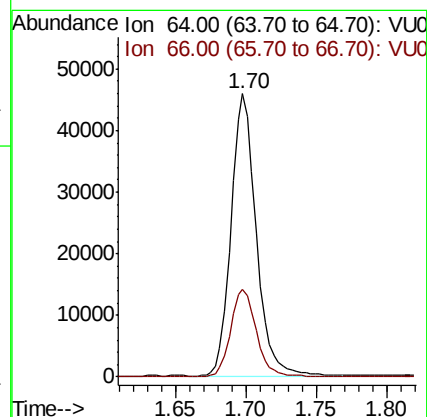
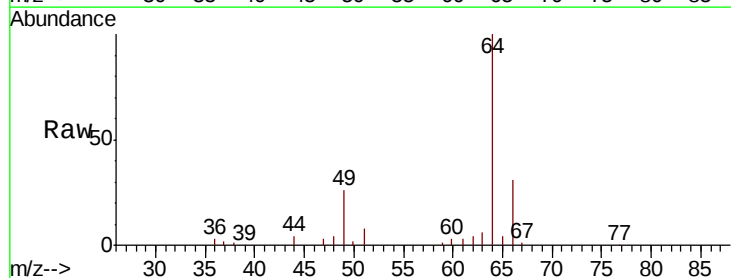
Acq: 07 Sep 2018 12:22

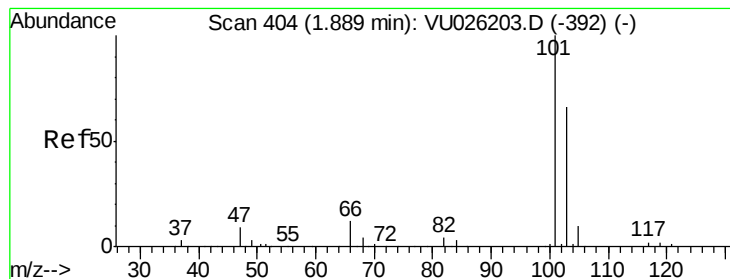
Tgt Ion: 64 Resp: 57231

Ion Ratio Lower Upper

64 100

66 31.2 24.9 37.3





#7

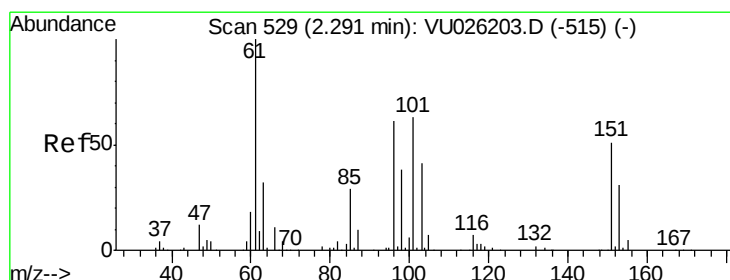
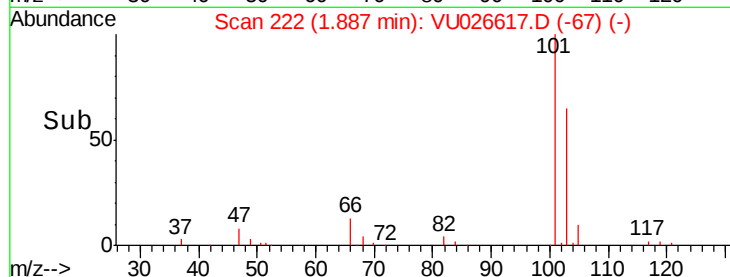
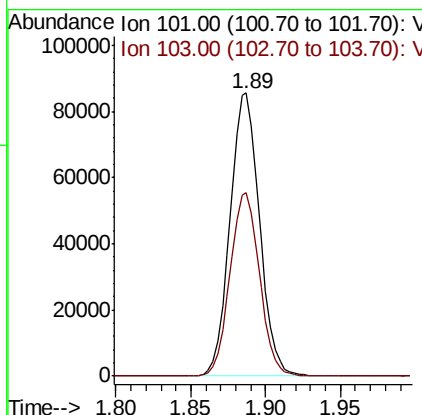
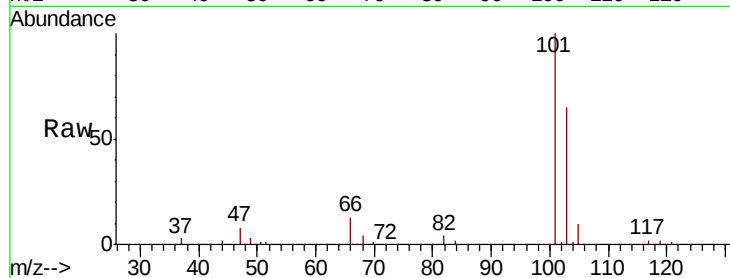
Trichlorofluoromethane
 Concen: 8.85 ug/l
 RT: 1.89 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.4	77.0

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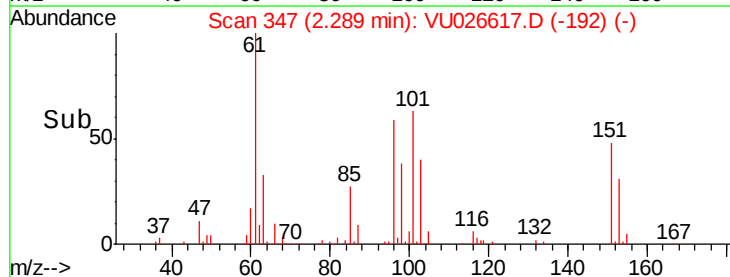
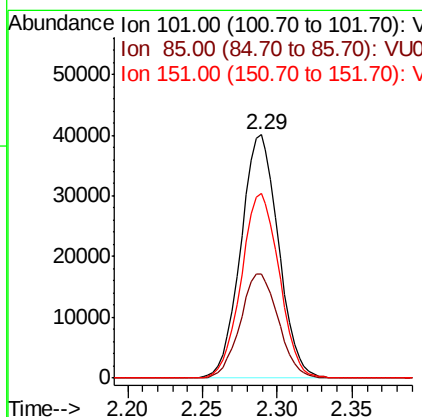
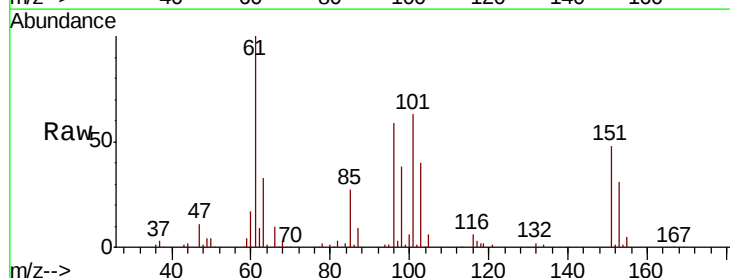
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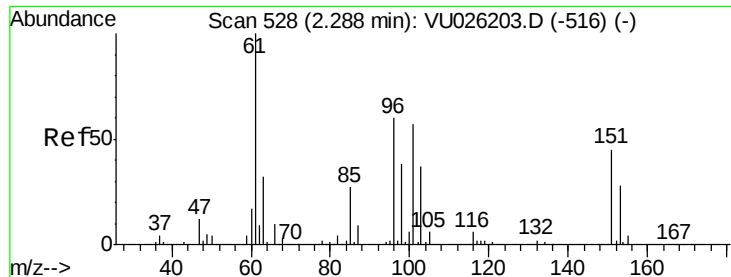


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.54 ug/l
 RT: 2.29 min Scan# 347
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.2	52.8
151	76.5	63.5	95.3





#9

1,1-Dichloroethene

Concen: 9.72 ug/l

RT: 2.29 min Scan# 346

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

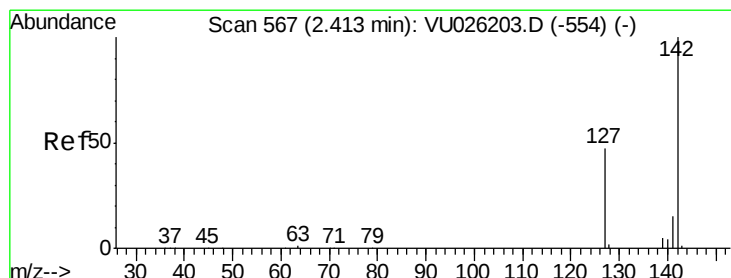
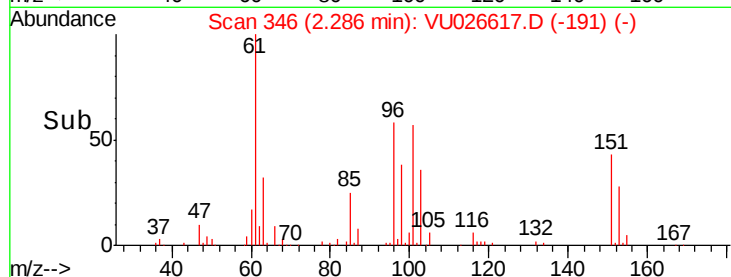
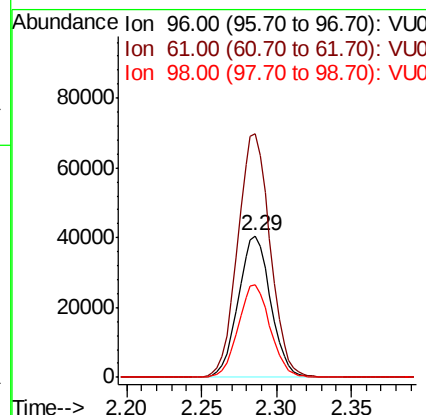
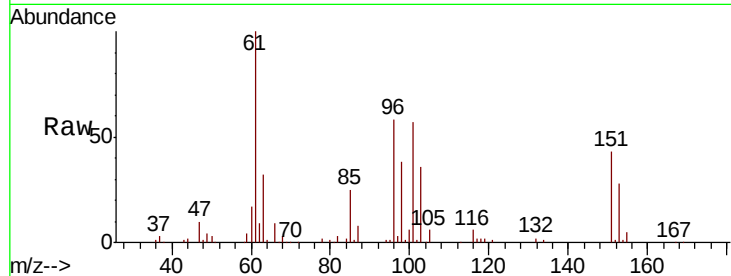
ClientSampleId :

VSTDCCC010EC

Tot Ion:	96	Resp:	61135
Ion	Ratio	Lower	Upper
96	100		
61	172.2	0.0	526.5
98	65.6	0.0	123.4

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



#10

Iodomethane

Concen: 5.90 ug/l

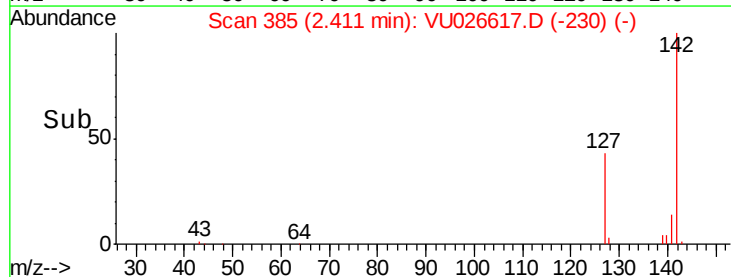
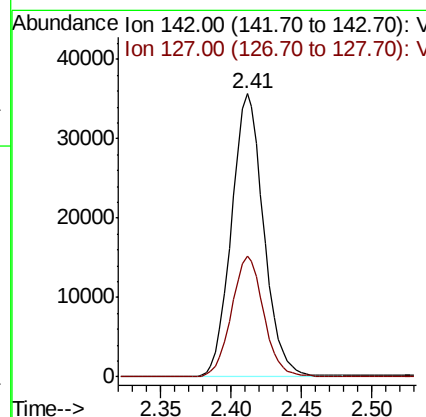
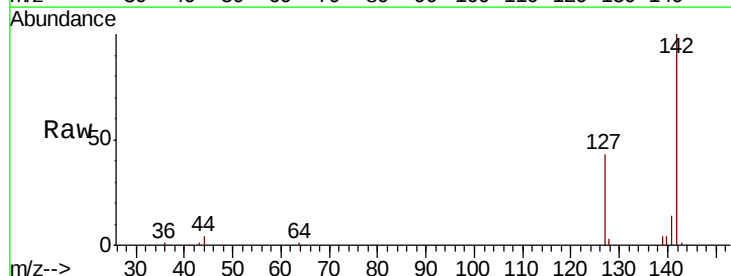
RT: 2.41 min Scan# 385

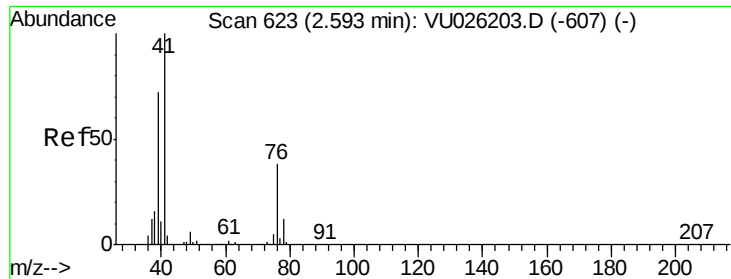
Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Tgt Ion:	142	Resp:	57270
Ion	Ratio	Lower	Upper
142	100		
127	42.5	34.5	51.7





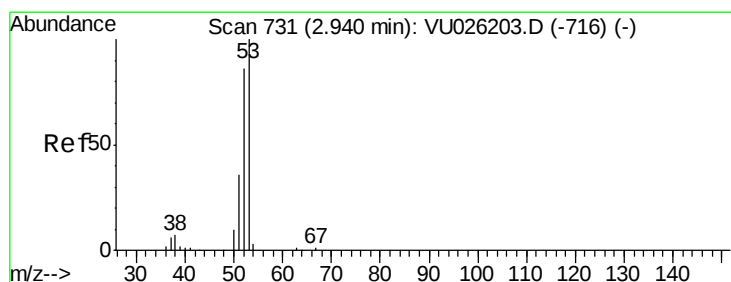
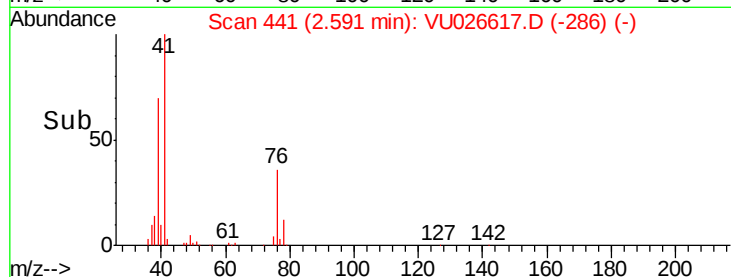
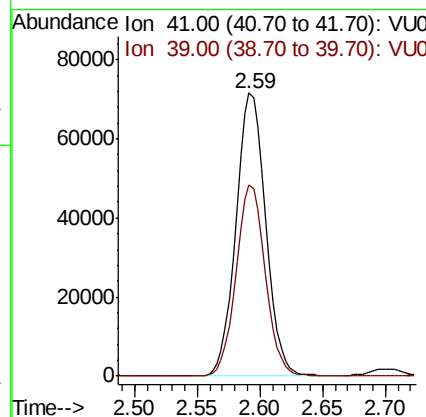
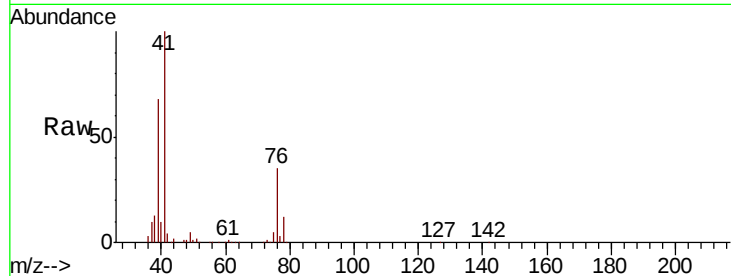
#11
Allvl Chloride
Concen: 11.17 ug/l
RT: 2.59 min Scan# 441
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.4	51.4	77.2

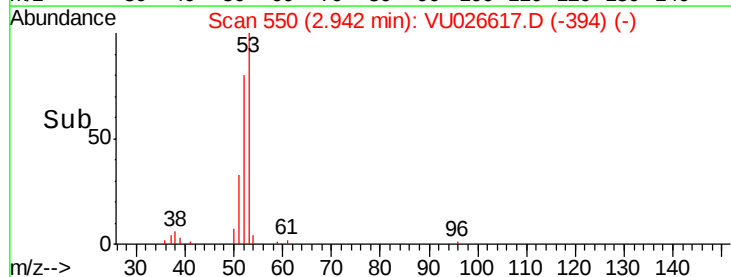
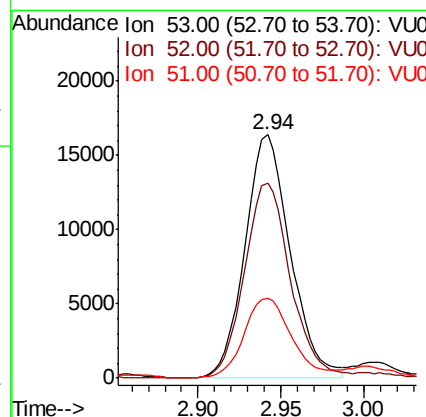
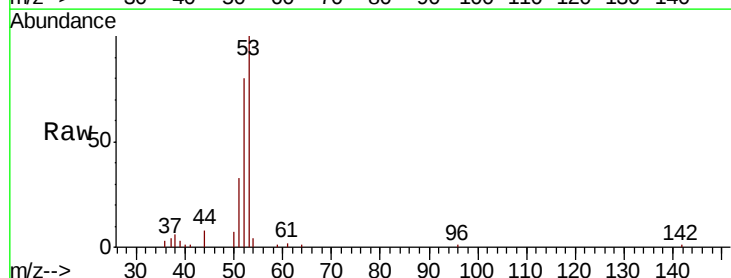
Manual Integrations
APPROVED

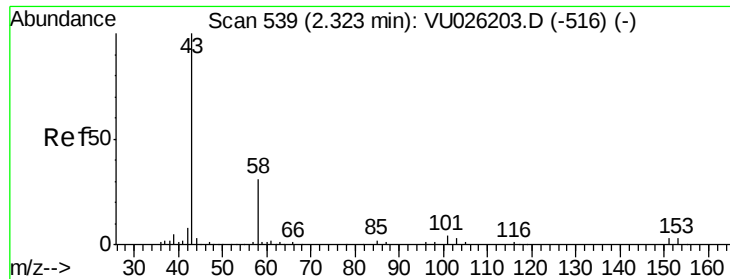
MMDadoda
9/10/2018 9:52:52 AM



#12
Acrylonitrile
Concen: 21.90 ug/l
RT: 2.94 min Scan# 550
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.1	97.7
51	34.5	30.2	45.4





#13

Acetone

Concen: 65.08 ug/l

RT: 2.33 min Scan# 359

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 70834

Ion Ratio Lower Upper

43 100

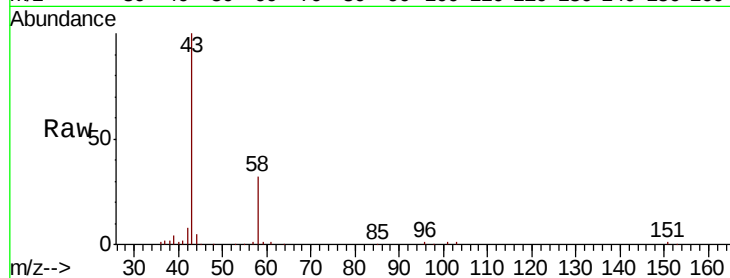
58 32.0 26.0 39.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.33

40000

30000

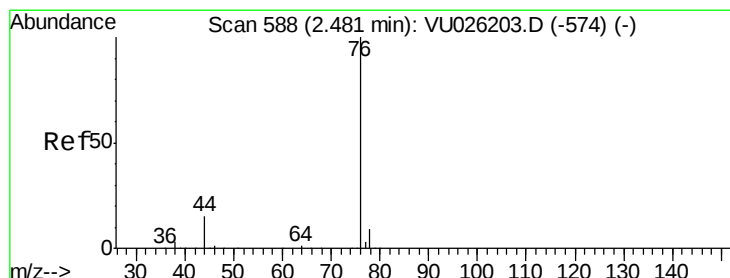
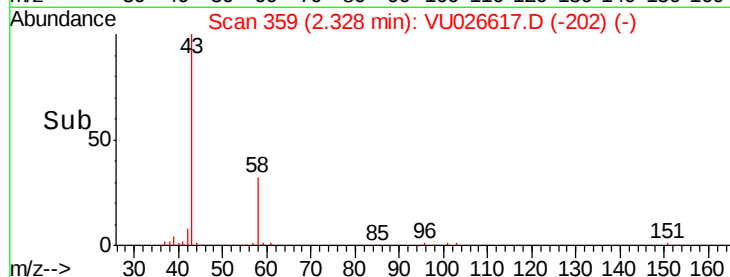
20000

10000

0

Time-->

2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 9.95 ug/l

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026617.D

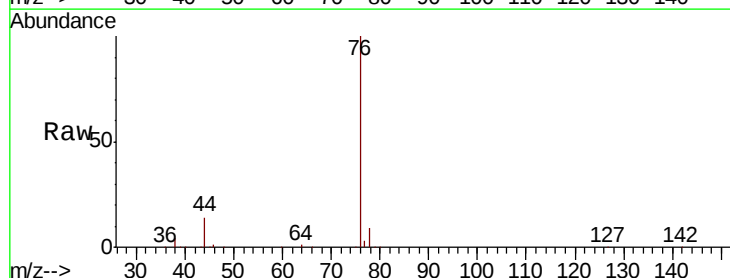
Acq: 07 Sep 2018 12:22

Tgt Ion: 76 Resp: 216155

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

150000

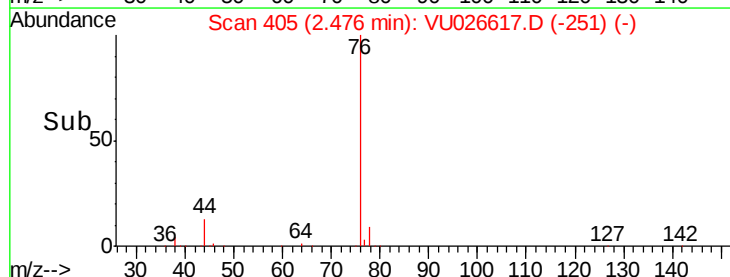
100000

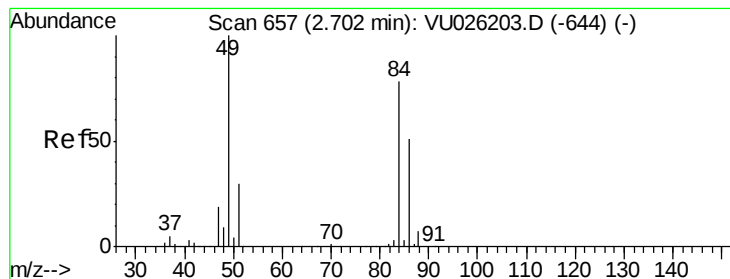
50000

0

Time-->

2.40 2.45 2.50 2.55 2.60





#15

Methvlene Chloride

Concen: 11.07 ug/l

RT: 2.70 min Scan# 475

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 84 Resp: 72587

Ion Ratio Lower Upper

84 100

49 134.7 108.7 163.1

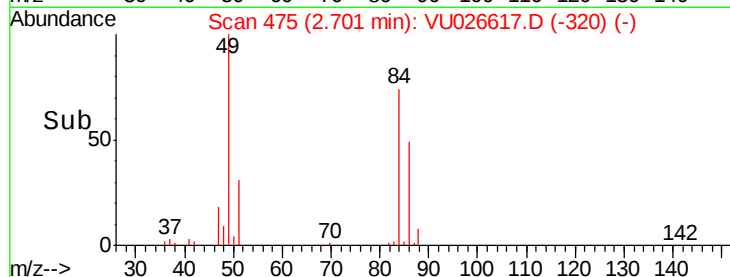
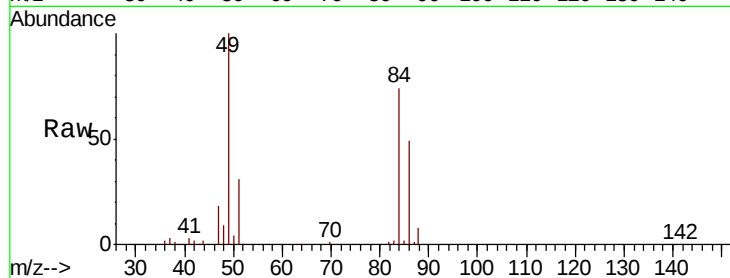
51 41.9 0.0 82.4

86 65.7 50.7 76.1

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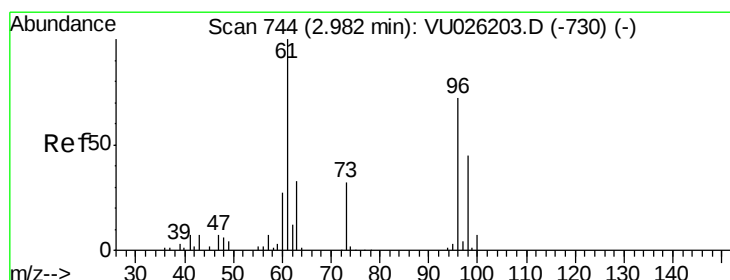
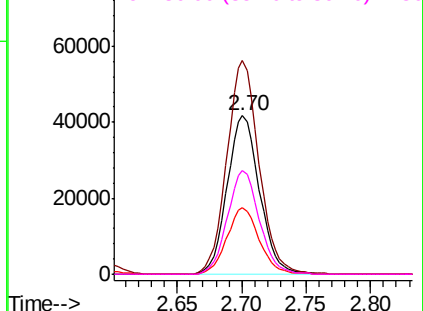
Abundance

Ion 84.00 (83.70 to 84.70): VU0

Ion 49.00 (48.70 to 49.70): VU0

Ion 51.00 (50.70 to 51.70): VU0

Ion 86.00 (85.70 to 86.70): VU0



#16

trans-1,2-Dichloroethene

Concen: 9.51 ug/l

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

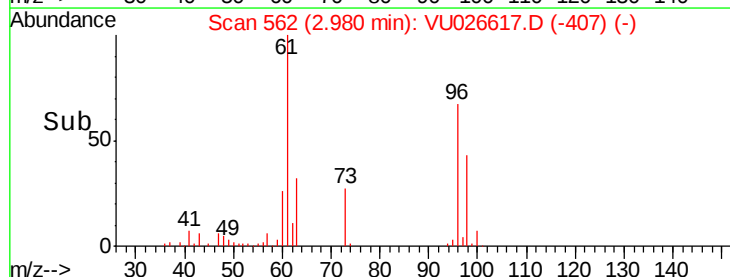
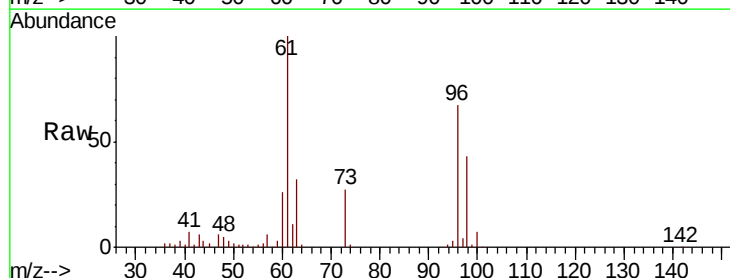
Tgt Ion: 96 Resp: 69206

Ion Ratio Lower Upper

96 100

61 149.2 123.9 185.9

98 64.1 50.6 76.0

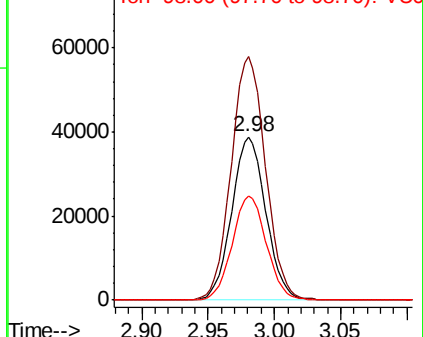


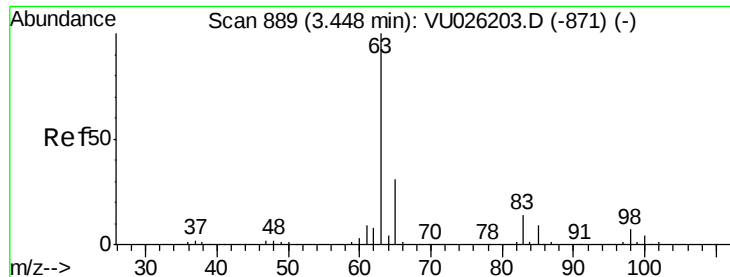
Abundance

Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





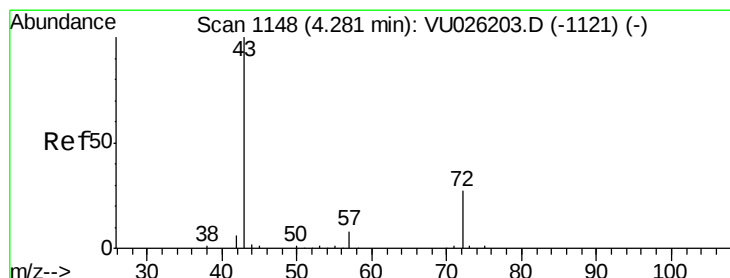
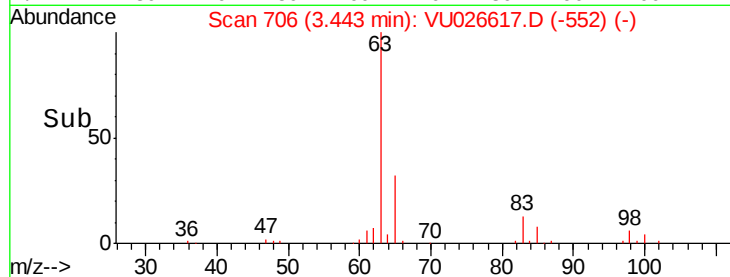
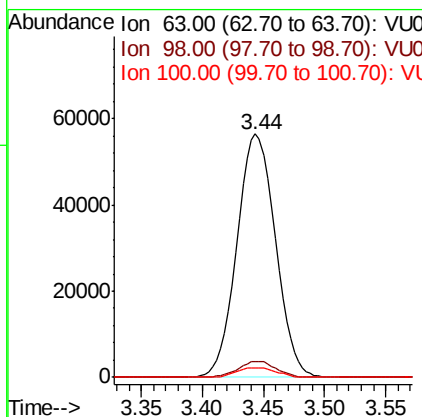
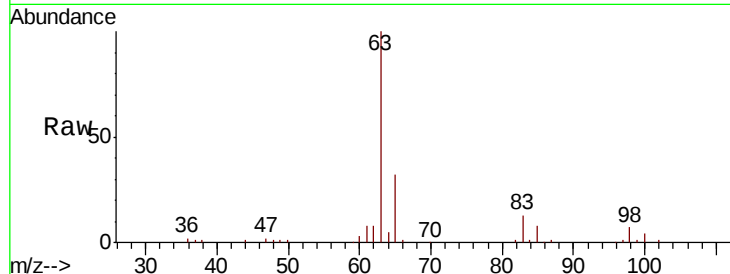
#17
 1,1-Dichloroethane
 Concen: 9.28 ug/l
 RT: 3.44 min Scan# 706
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	63	Resp	123477
Ion Ratio	Lower	Upper	
63	100		
98	6.5	2.9	8.8
100	4.1	2.0	5.8

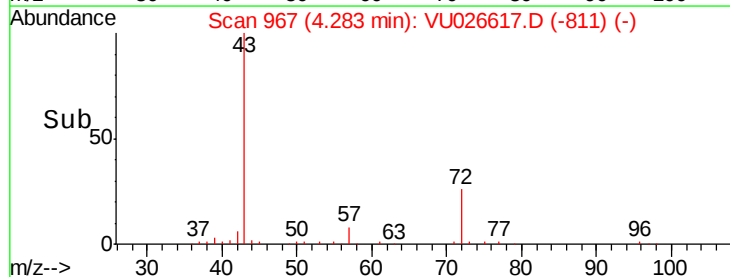
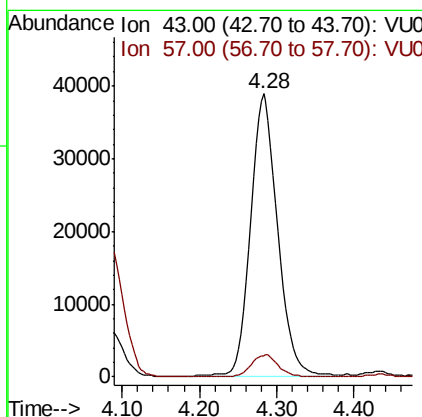
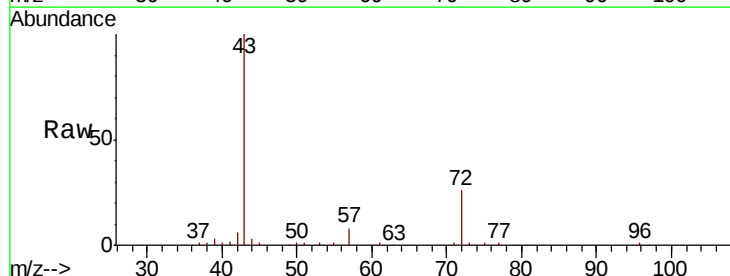
Manual Integrations
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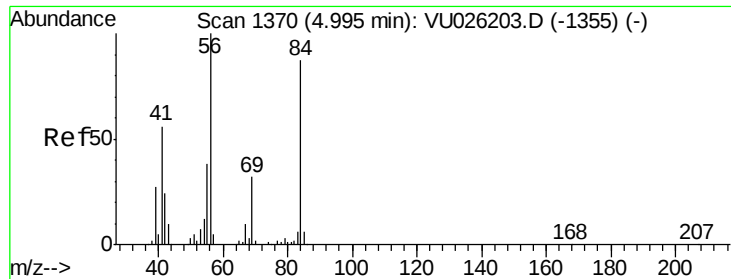
MMDadoda
 9/10/2018 9:52:52 AM



#18
 2-Butanone
 Concen: 47.27 ug/l
 RT: 4.28 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	43	Resp	96458
Ion Ratio	Lower	Upper	
43	100		
57	7.6	0.0	15.8





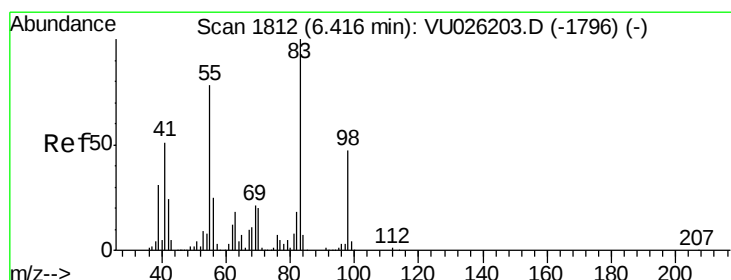
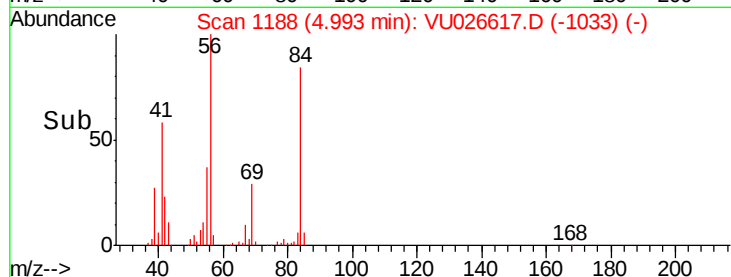
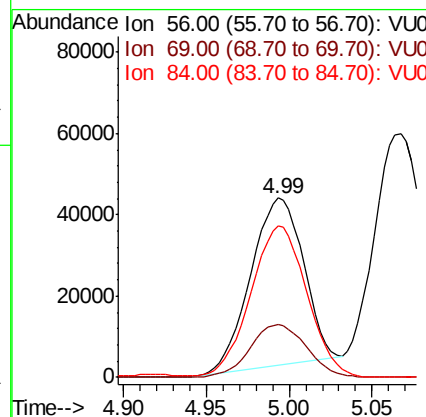
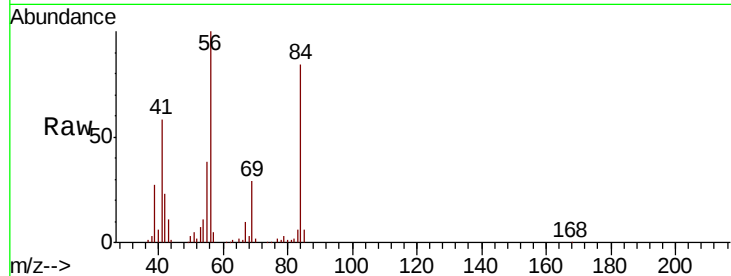
#19
Cyclohexane
Concen: 9.26 ug/l
RT: 4.99 min Scan# 1188
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.0	39.0
84	96.1	68.3	102.5

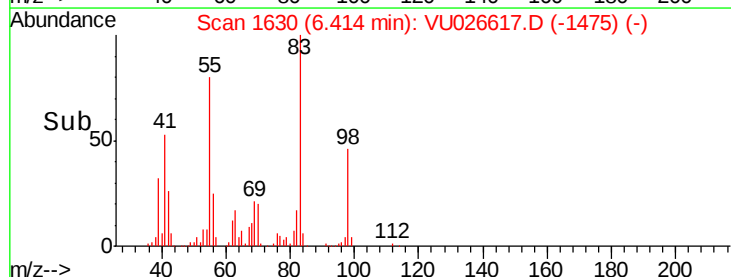
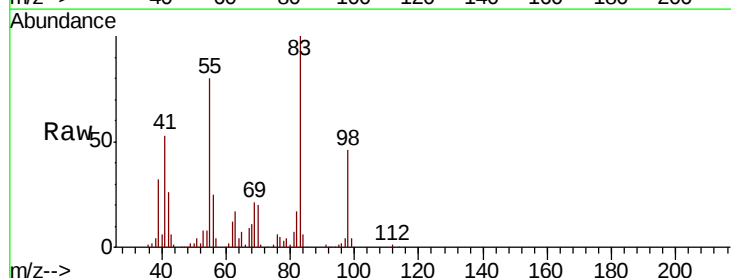
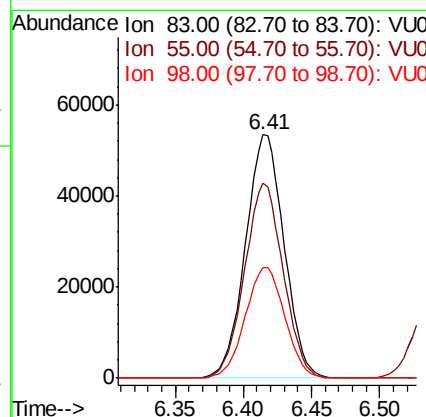
Manual Integrations
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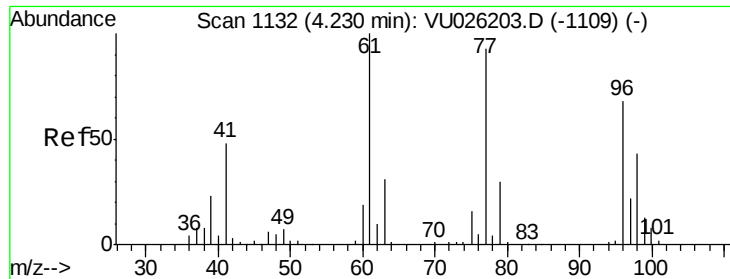
MMDadoda
9/10/2018 9:52:52 AM



#20
Methylcyclohexane
Concen: 9.16 ug/l
RT: 6.41 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
55	80.1	66.4	99.6
98	46.6	35.4	53.2





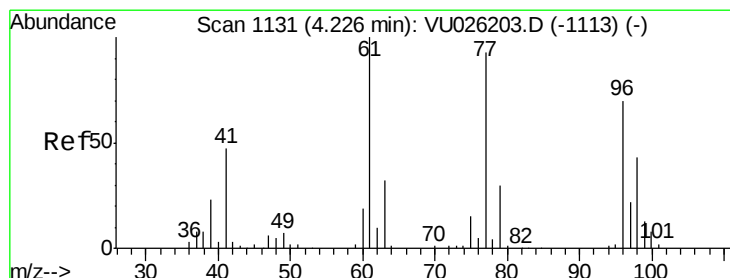
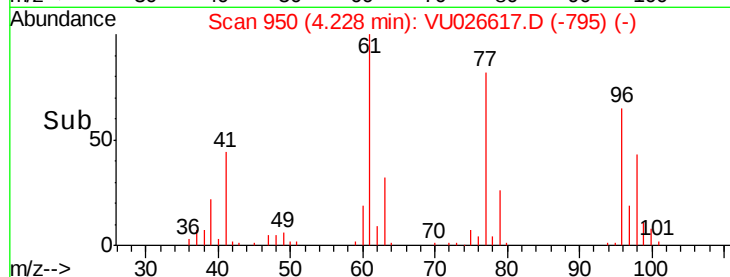
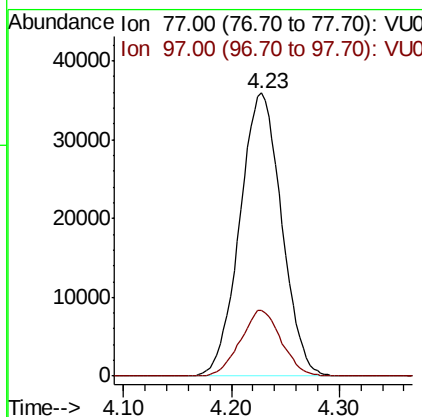
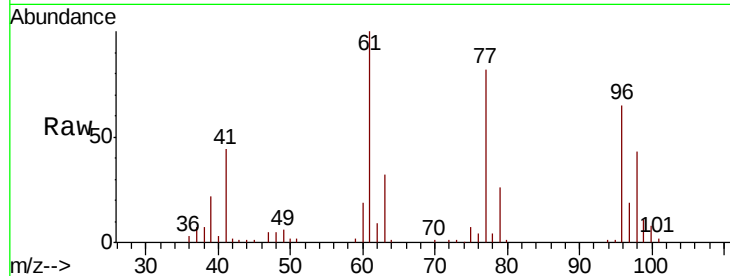
#21
 2,2-Dichloropropane
 Concen: 7.08 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 77 Resp: 96879
 Ion Ratio Lower Upper
 77 100
 97 22.6 17.9 26.9

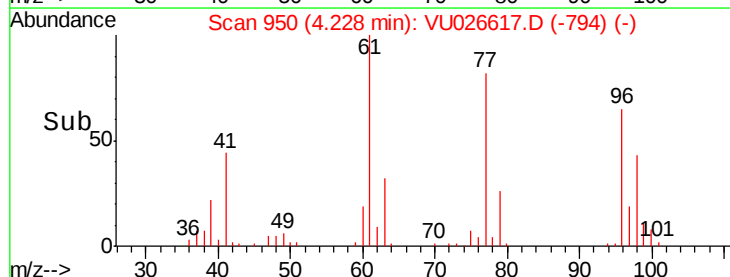
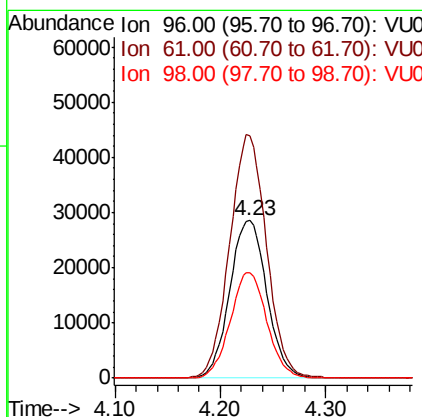
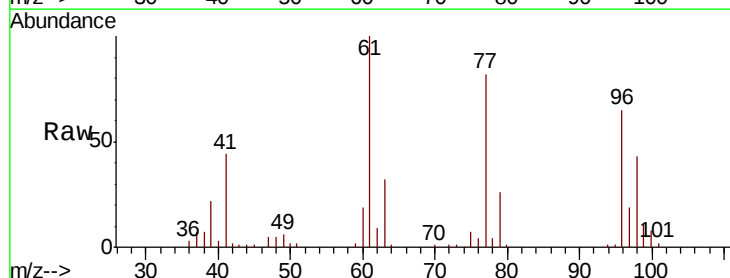
Manual Integrations
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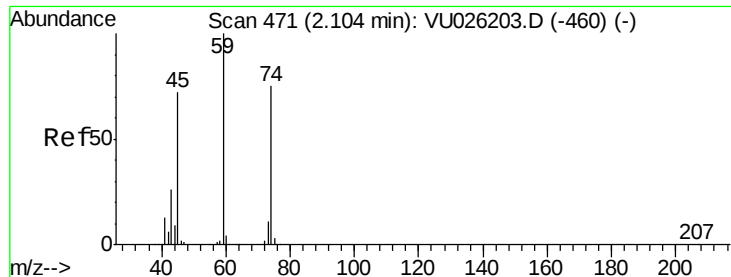
MMDadoda
 9/10/2018 9:52:52 AM



#22
 cis-1,2-Dichloroethene
 Concen: 7.90 ug/l
 RT: 4.23 min Scan# 950
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion: 96 Resp: 69722
 Ion Ratio Lower Upper
 96 100
 61 153.3 0.0 400.5
 98 66.0 32.2 96.6





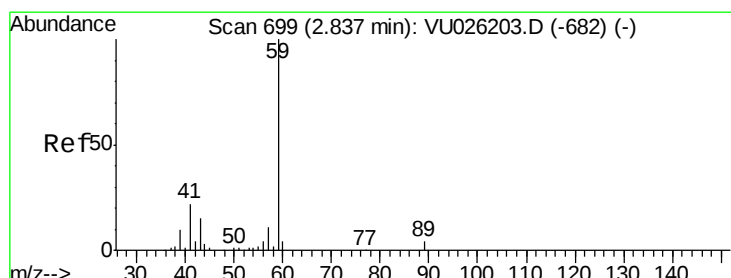
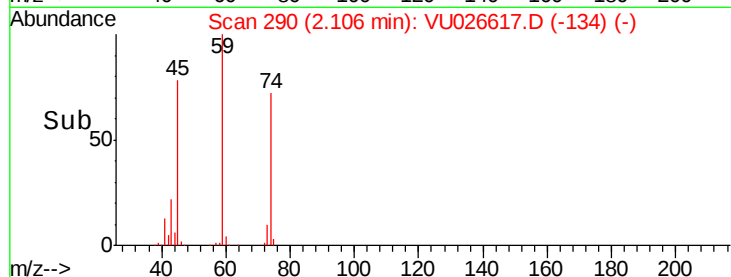
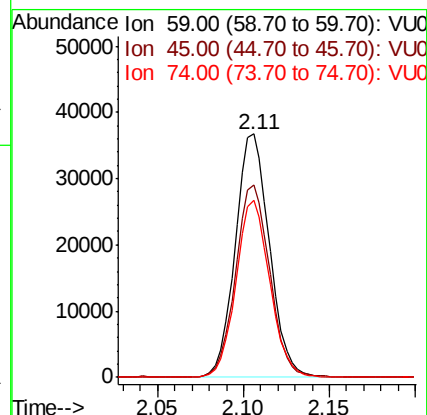
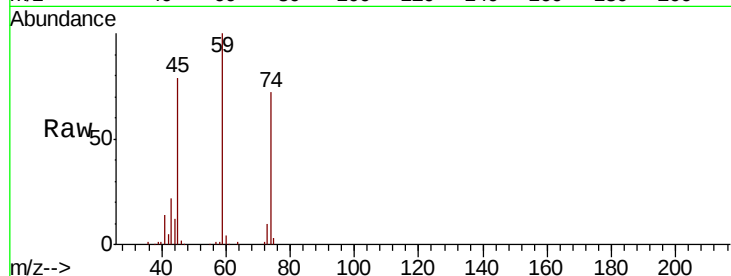
#23
Diethyl Ether
Concen: 10.58 ug/l
RT: 2.11 min Scan# 290
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
59	100		
45	79.3	60.0	90.0
74	71.9	56.5	84.7

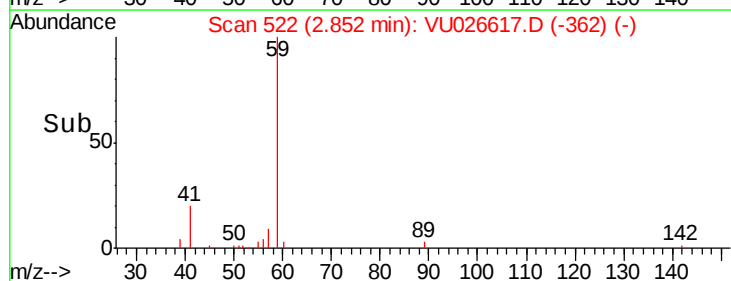
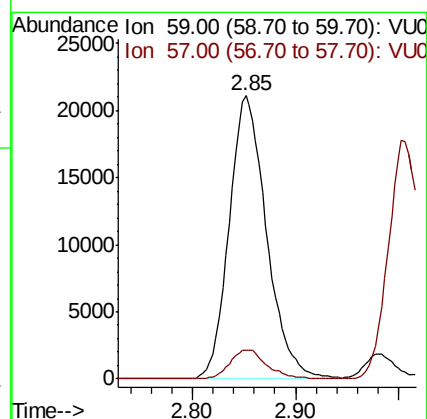
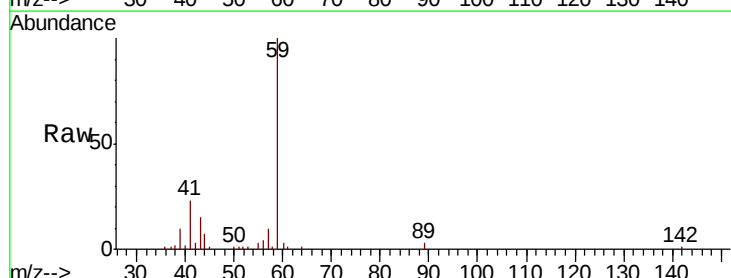
Manual Integrations
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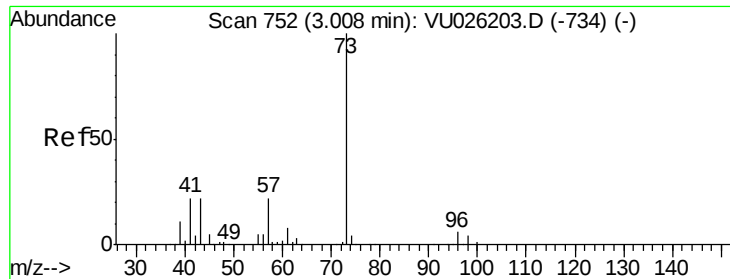
MMDadoda
9/10/2018 9:52:52 AM



#24
tert-Butyl Alcohol
Concen: 107.89 ug/l
RT: 2.85 min Scan# 522
Delta R.T. 0.01 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.1	3.4	5.2#





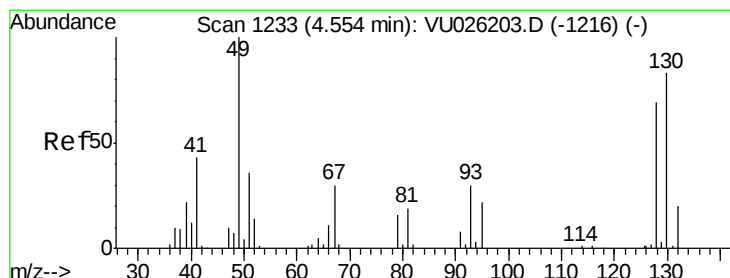
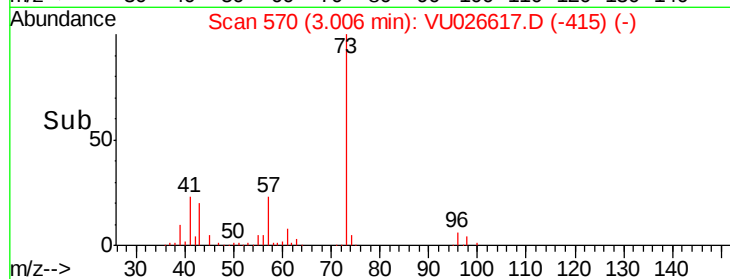
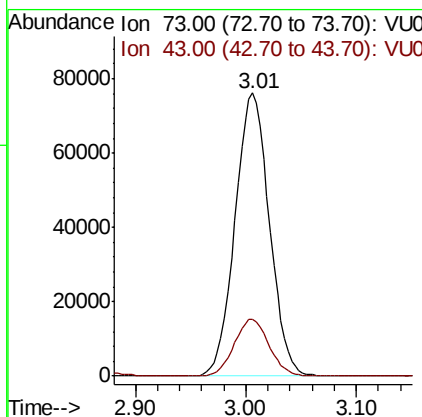
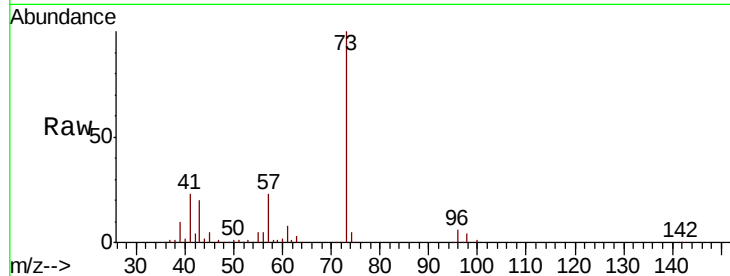
#25
Methyl tert-Butyl Ether
Concen: 10.02 ug/l
RT: 3.01 min Scan# 570
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
43	20.4	16.2	24.2

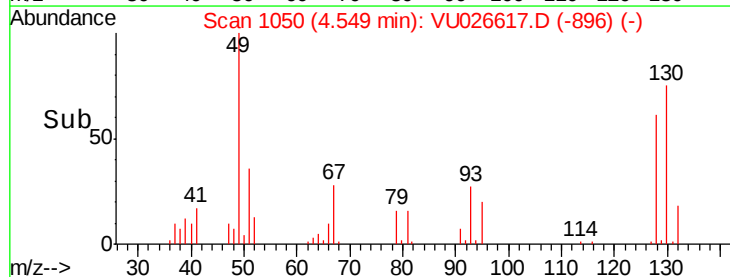
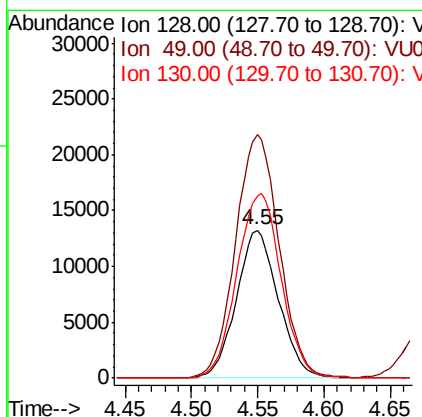
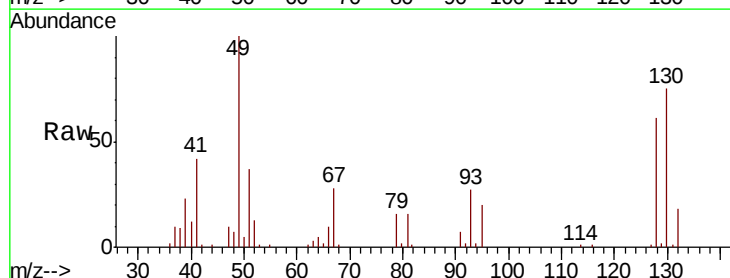
Manual Integrations
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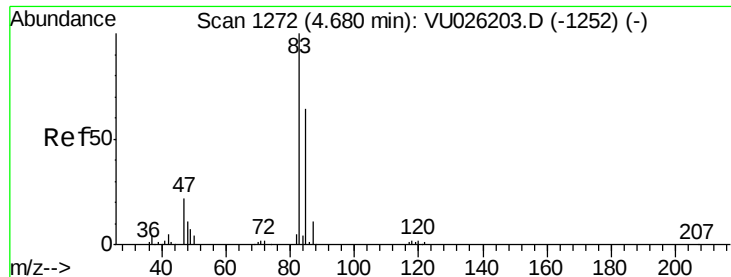
MMDadoda
9/10/2018 9:52:52 AM



#26
Bromochloromethane
Concen: 7.37 ug/l
RT: 4.55 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
128	100		
49	171.6	0.0	375.2
130	131.8	105.8	158.6





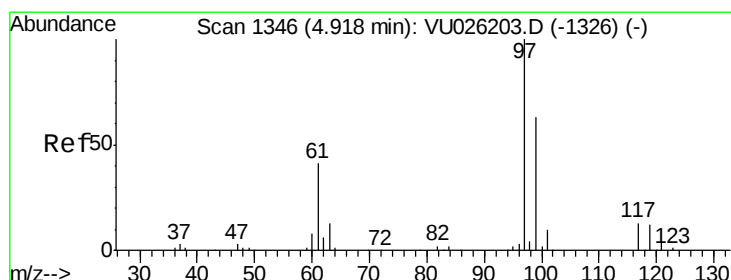
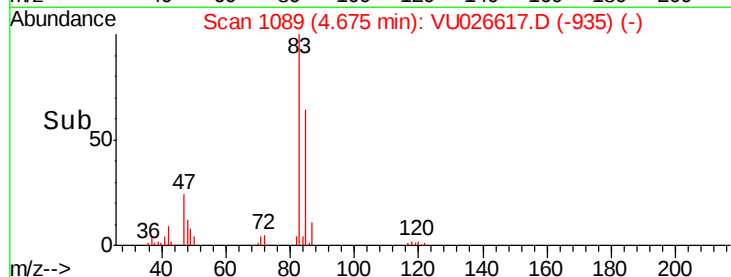
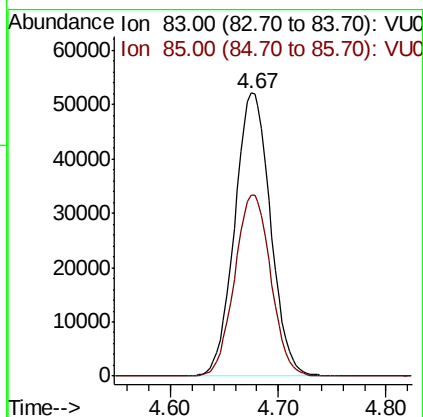
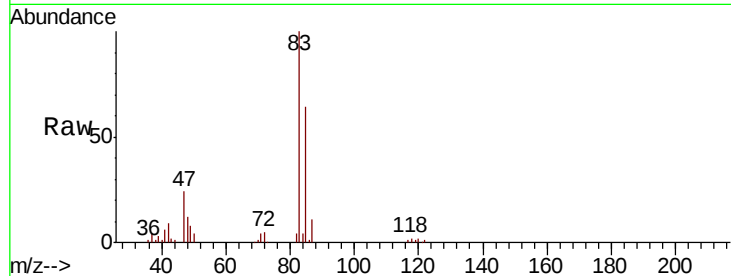
#27
Chloroform
Concen: 7.83 ug/l
RT: 4.67 min Scan# 1089
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	83	Resp	120520
Ion Ratio	100	Lower	Upper
85	63.7	0.0	128.4

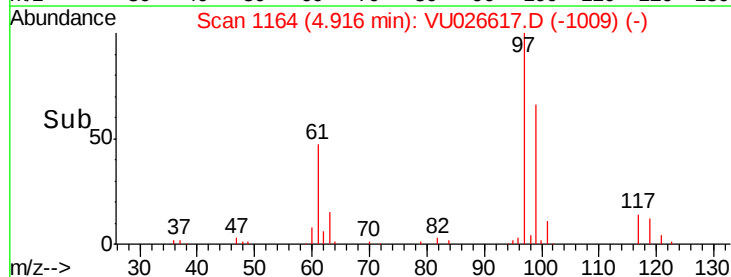
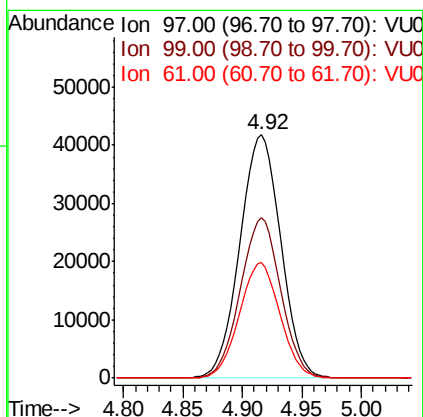
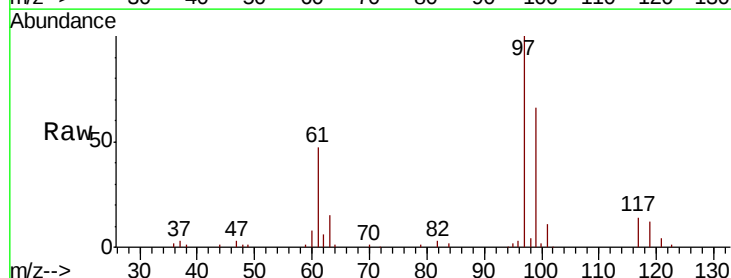
Manual Integrations
APPROVED

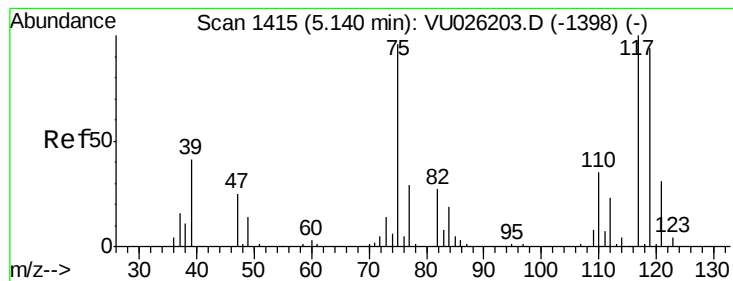
MMDadoda
9/10/2018 9:52:52 AM



#28
1,1,1-Trichloroethane
Concen: 7.29 ug/l
RT: 4.92 min Scan# 1164
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	97	Resp	99808
Ion Ratio	100	Lower	Upper
99	64.9	32.3	96.9
61	47.0	23.2	69.5





#29

1,1-Dichloropropene

Concen: 8.52 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 91918

Ion Ratio Lower Upper

75 100

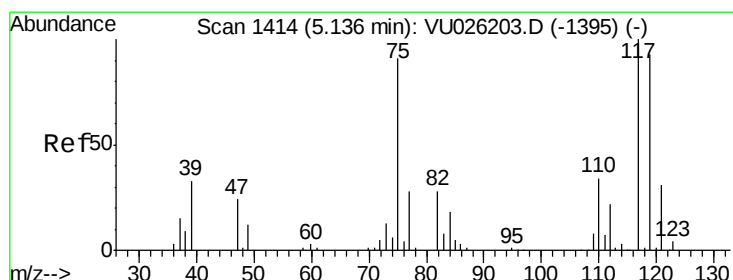
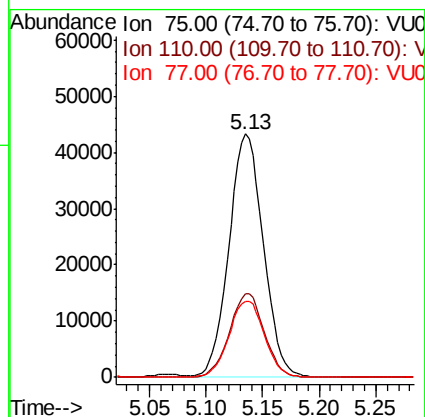
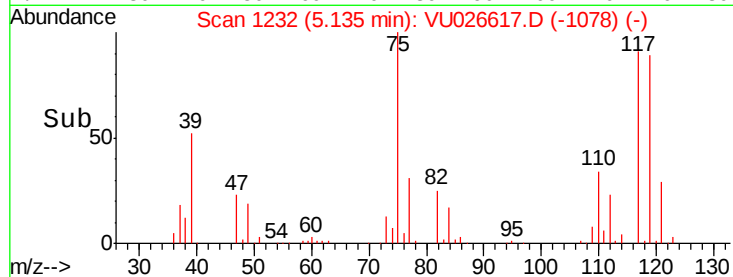
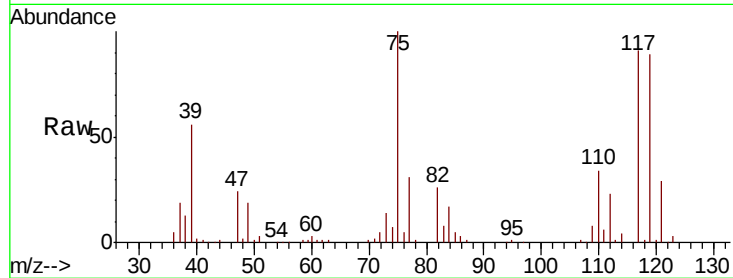
110 34.5 16.9 50.7

77 32.2 24.8 37.2

Manual Integrations
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MMDadoda

9/10/2018 9:52:52 AM



#30

Carbon Tetrachloride

Concen: 7.11 ug/l

RT: 5.13 min Scan# 1232

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

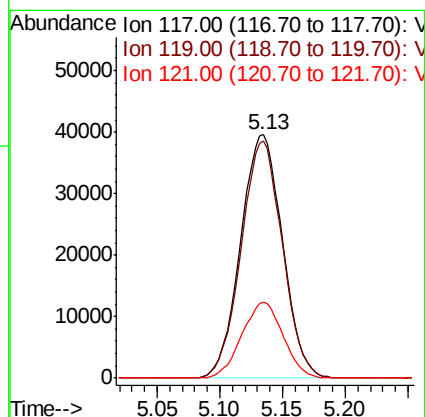
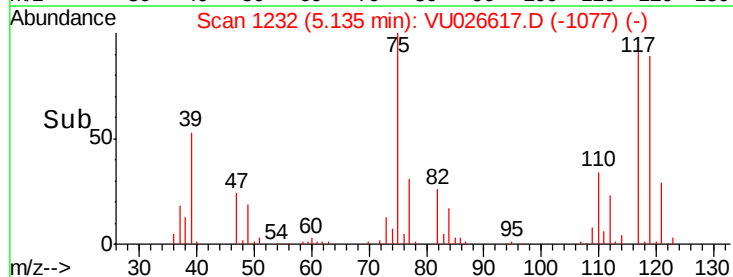
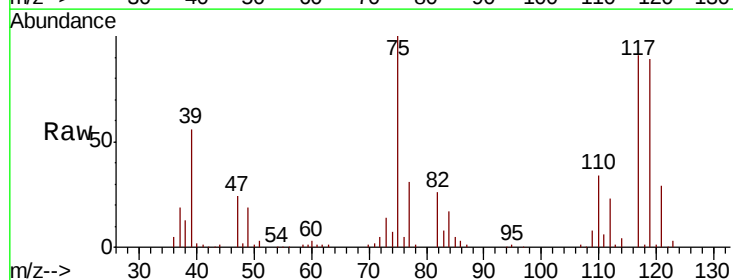
Tgt Ion: 117 Resp: 91830

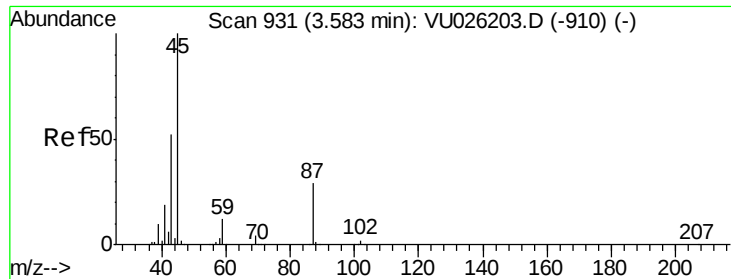
Ion Ratio Lower Upper

117 100

119 97.5 77.3 115.9

121 31.4 24.5 36.7





#31

Isopropyl Ether

Concen: 8.82 ug/l

RT: 3.58 min Scan# 749

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 193477

Ion Ratio Lower Upper

45 100

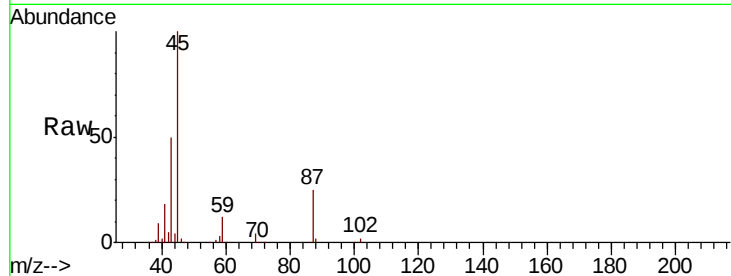
43 50.7 24.0 72.0

Manual Integrations

APPROVED

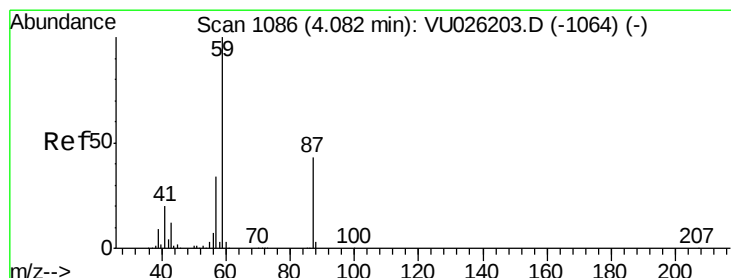
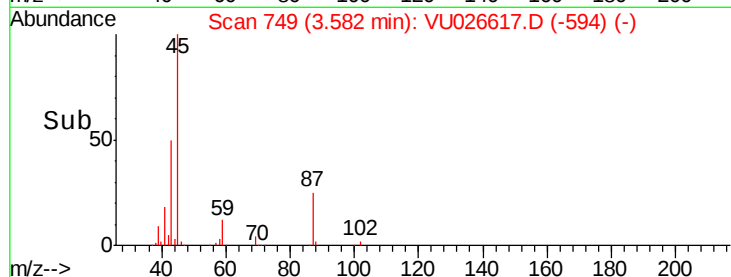
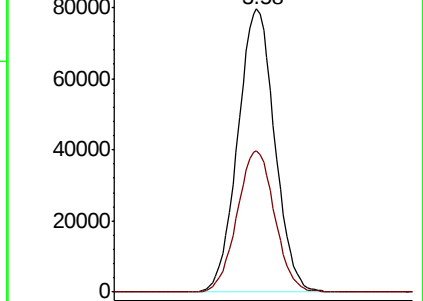
MMDadoda

9/10/2018 9:52:52 AM



Abundance Ion 45.00 (44.70 to 45.70): VU026617.D (-749) (-)

Ion 43.00 (42.70 to 43.70): VU026617.D (-749) (-)



#32

Ethyl-t-butyl ether

Concen: 8.69 ug/l

RT: 4.08 min Scan# 904

Delta R.T. -0.00 min

Lab File: VU026617.D

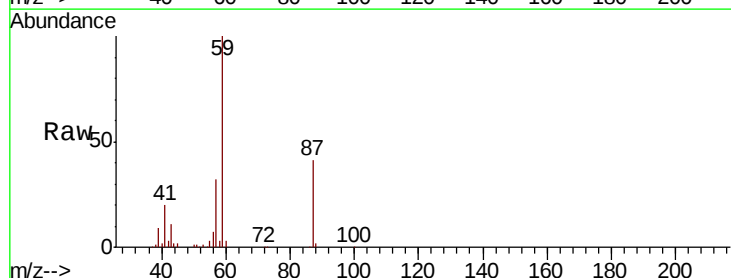
Acq: 07 Sep 2018 12:22

Tgt Ion: 59 Resp: 166849

Ion Ratio Lower Upper

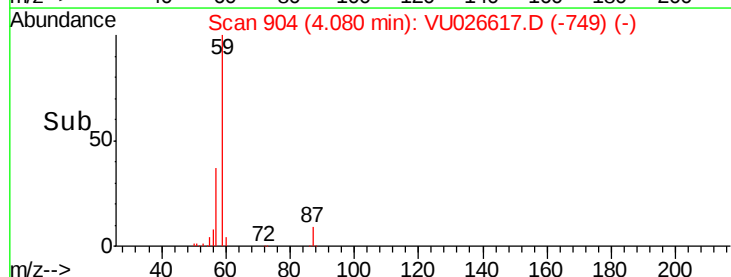
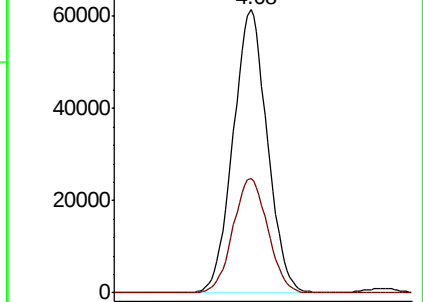
59 100

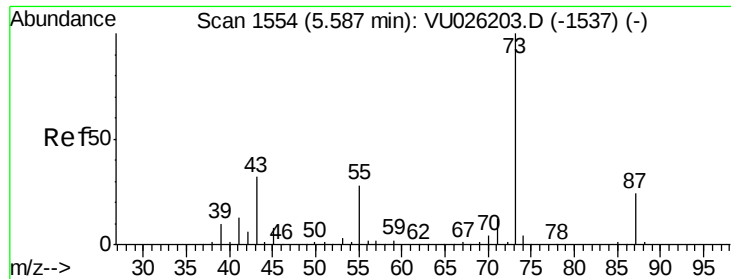
87 41.1 31.0 46.6



Abundance Ion 59.00 (58.70 to 59.70): VU026617.D (-749) (-)

Ion 87.00 (86.70 to 87.70): VU026617.D (-749) (-)





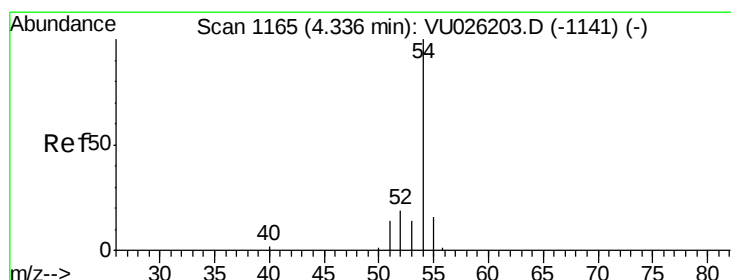
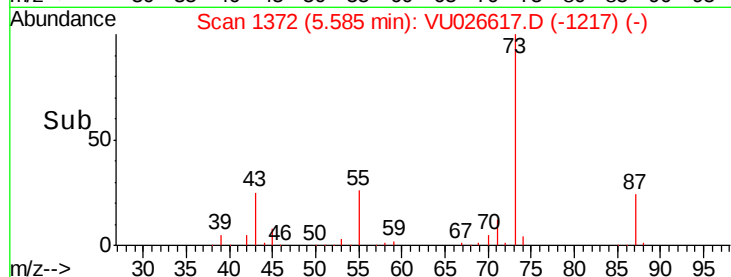
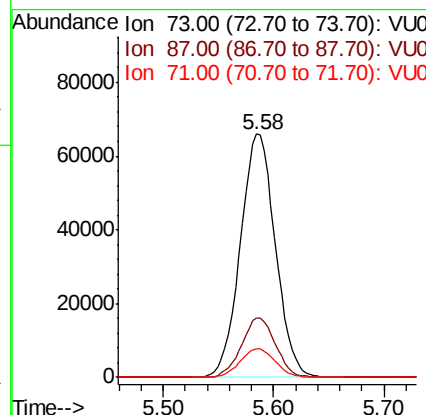
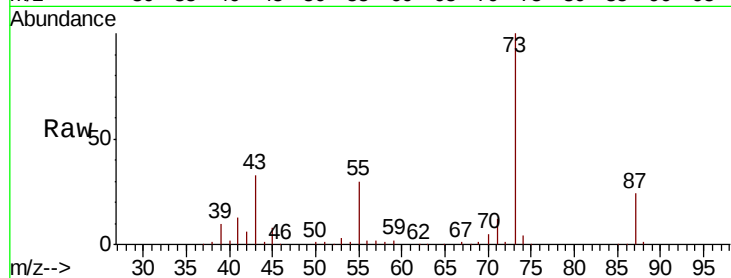
#33
Tert-Butyl methyl ether
Concen: 8.82 ug/l
RT: 5.58 min Scan# 1372
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
73	100		
87	23.8	18.6	28.0
71	11.8	9.3	13.9

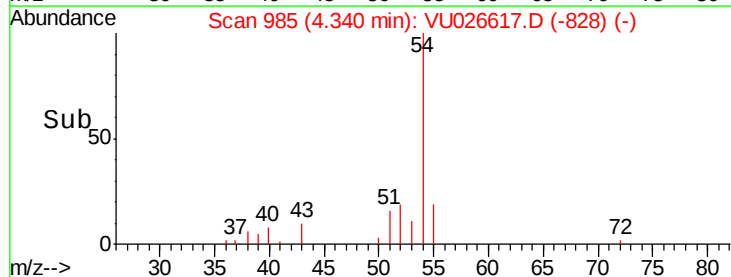
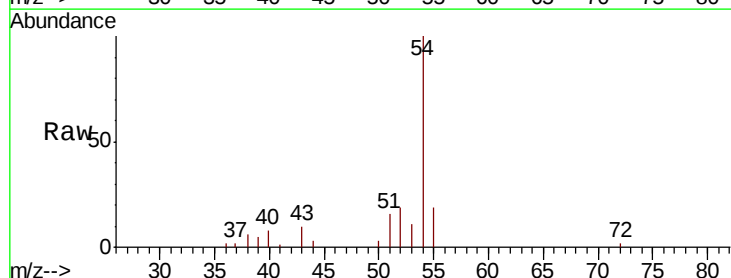
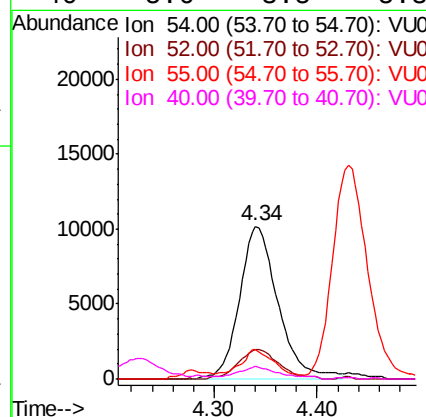
Manual Integrations
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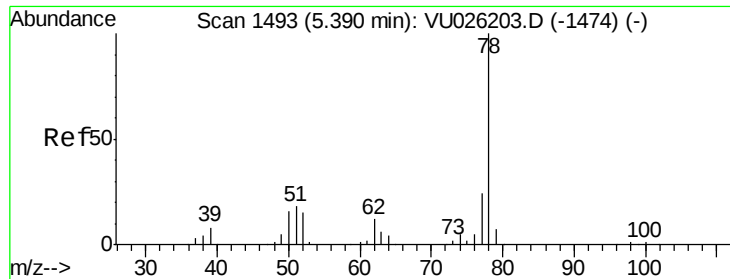
MMDadoda
9/10/2018 9:52:52 AM



#34
Propionitrile
Concen: 45.51 ug/l
RT: 4.34 min Scan# 985
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
54	100		
52	20.4	13.7	20.5
55	16.1	10.2	15.2#
40	5.6	3.5	5.3#





#35

Benzene

Concen: 8.54 ug/l

RT: 5.39 min Scan# 1311

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 78 Resp: 266435

Ion Ratio Lower Upper

78 100

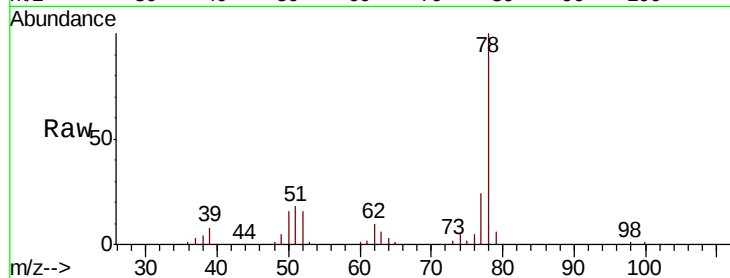
77 24.2 19.1 28.7

Manual Integrations

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MMDadoda

9/10/2018 9:52:52 AM



Abundance Ion 78.10 (77.80 to 78.80): VU026617.D (-1156) (-)

Ion 77.00 (76.70 to 77.70): VU026617.D (-1156) (-)

5.39

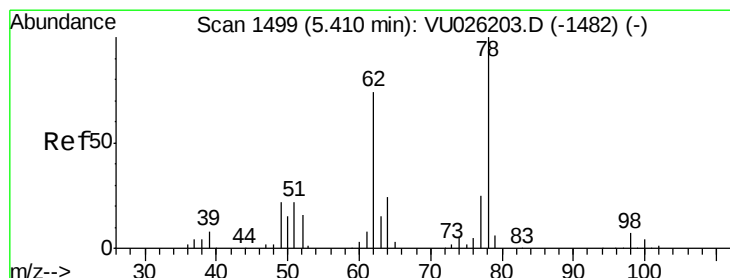
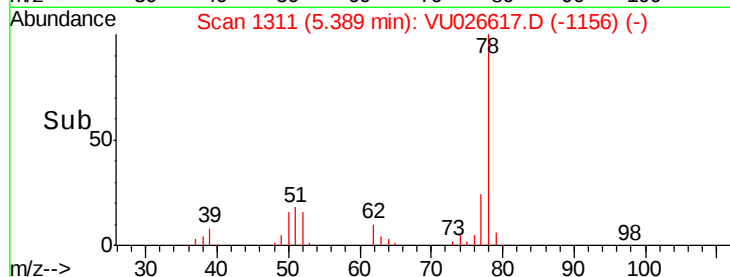
150000

100000

50000

0

Time-->



#36

1,2-Dichloroethane

Concen: 7.86 ug/l

RT: 5.41 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VU026617.D

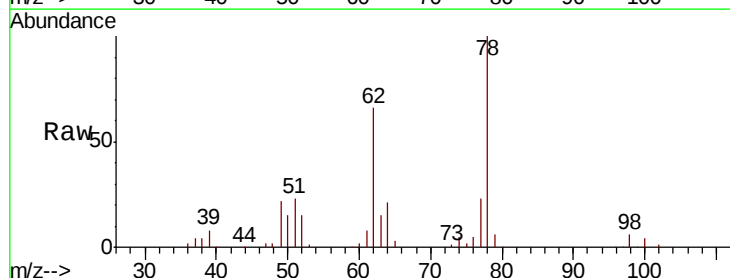
Acq: 07 Sep 2018 12:22

Tgt Ion: 62 Resp: 75999

Ion Ratio Lower Upper

62 100

98 8.6 7.2 10.8



Abundance Ion 62.00 (61.70 to 62.70): VU026617.D (-1162) (-)

Ion 98.00 (97.70 to 98.70): VU026617.D (-1162) (-)

5.41

40000

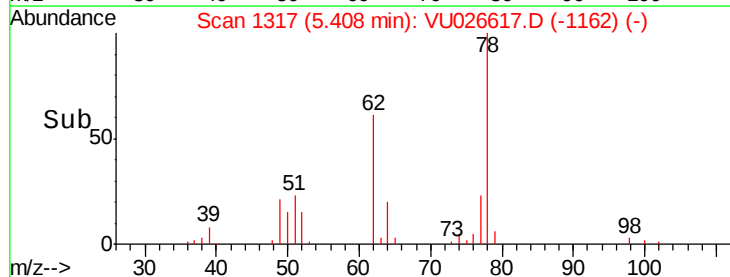
30000

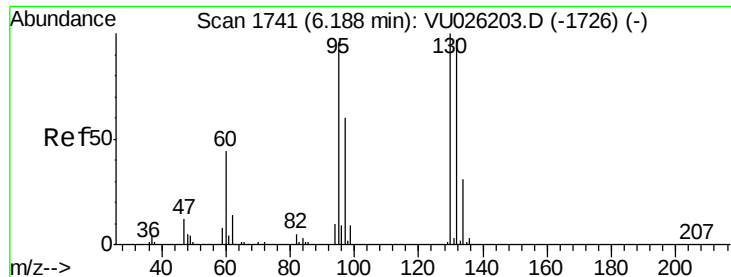
20000

10000

0

Time-->





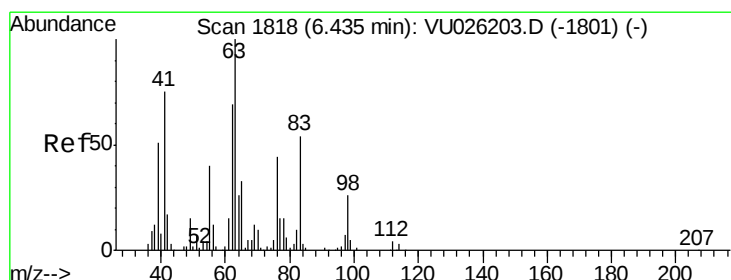
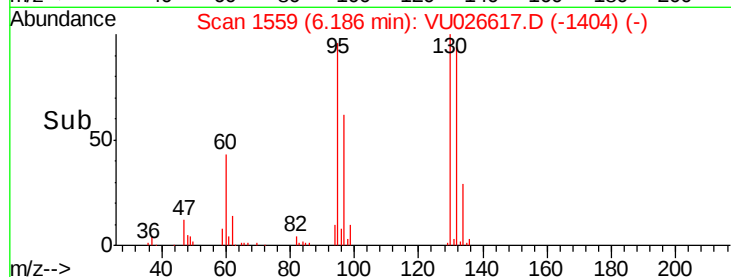
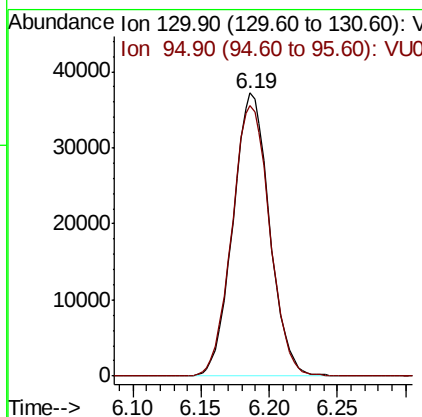
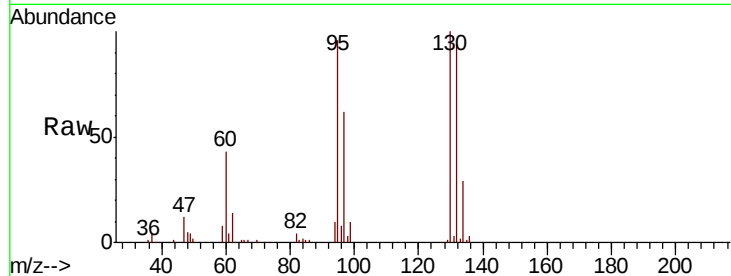
#37
 Trichloroethene
 Concen: 7.87 ug/l
 RT: 6.19 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
130	100		
95	95.7	77.9	116.9

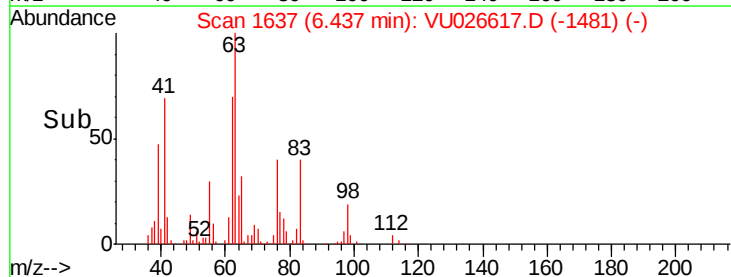
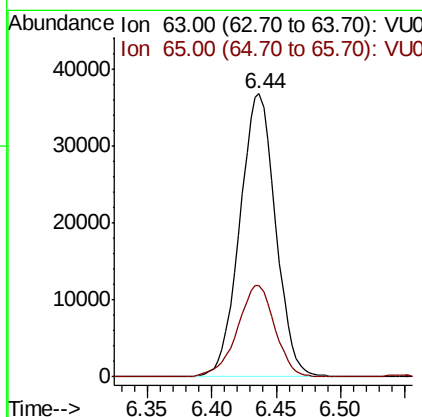
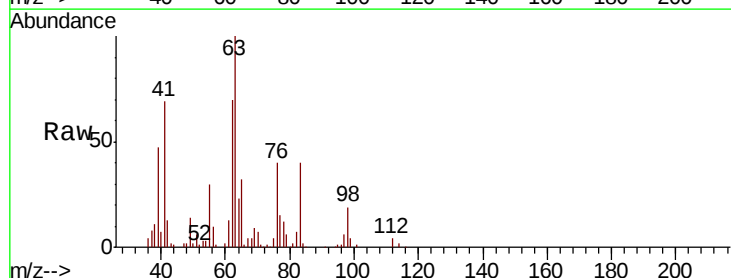
Manual Integrations
 APPROVED

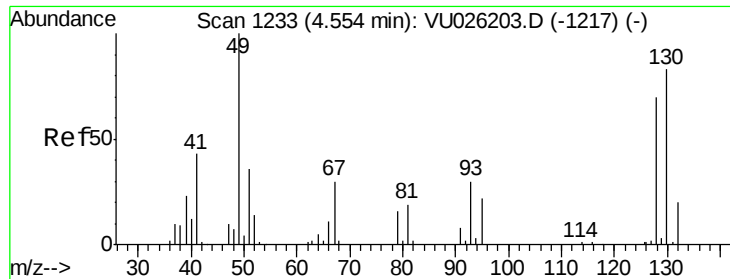
MMDadoda
 9/10/2018 9:52:52 AM



#38
 1,2-Dichloropropane
 Concen: 8.81 ug/l
 RT: 6.44 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.8	38.8





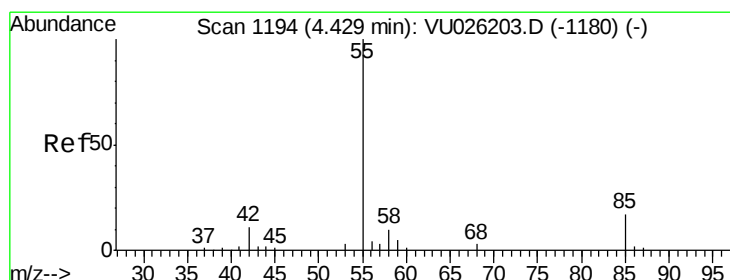
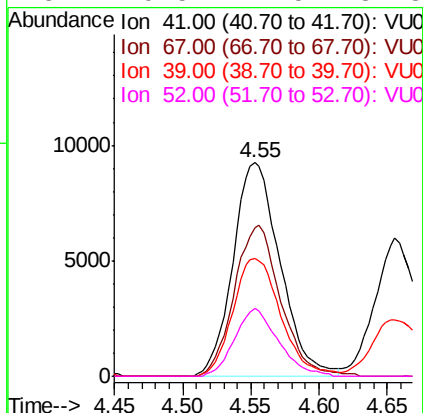
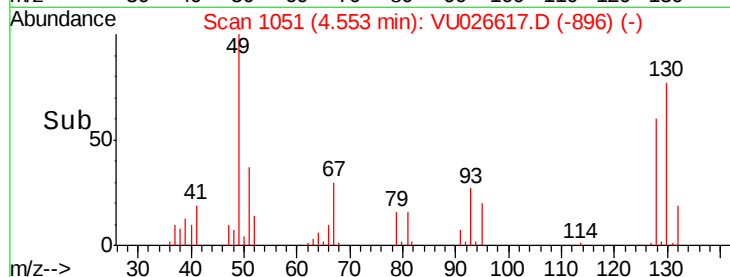
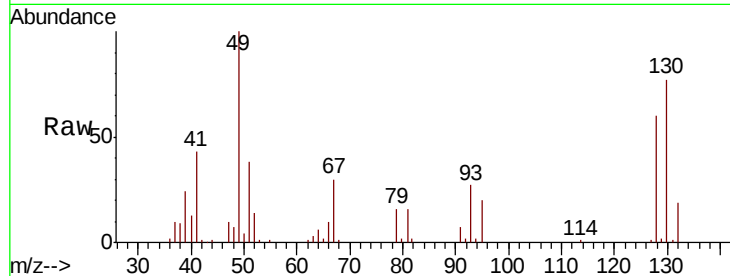
#39
Methacrylonitrile
Concen: 9.04 ug/l
RT: 4.55 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
67	69.5	51.3	76.9
39	56.0	40.6	60.8
52	29.5	21.5	32.3

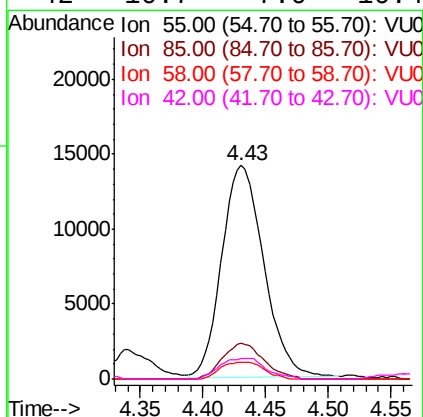
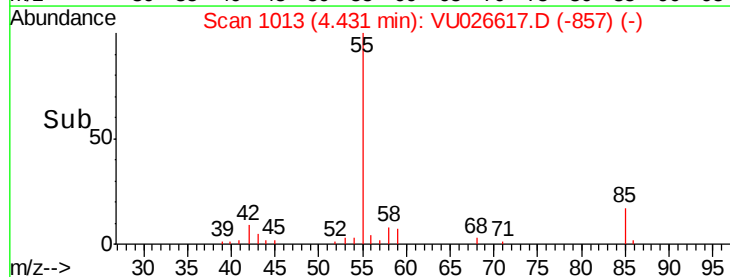
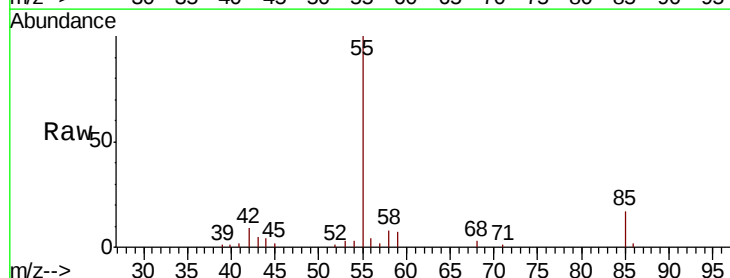
Manual Integrations
APPROVED

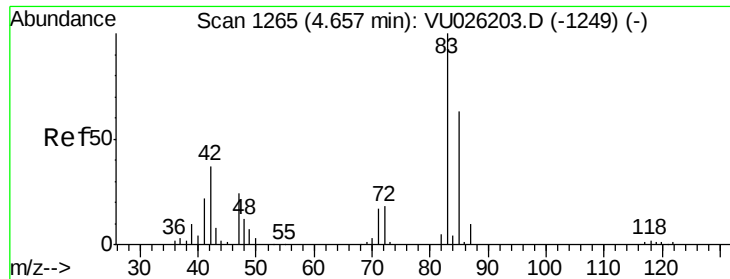
MMDadoda
9/10/2018 9:52:52 AM



#40
Methyl acrylate
Concen: 8.82 ug/l
RT: 4.43 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
55	100		
85	16.4	12.3	18.5
58	8.1	7.0	10.6
42	10.7	7.0	10.4#





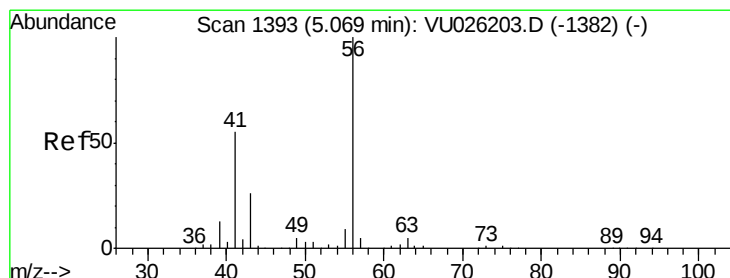
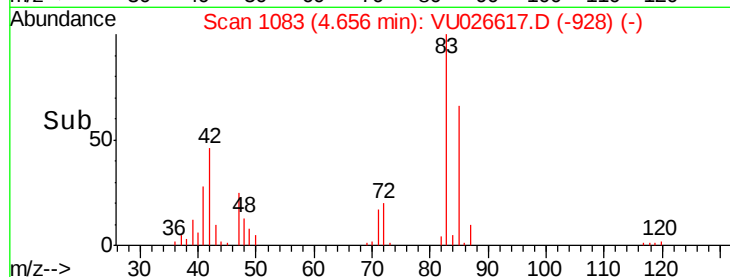
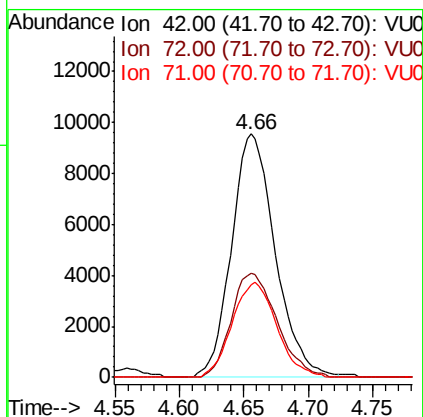
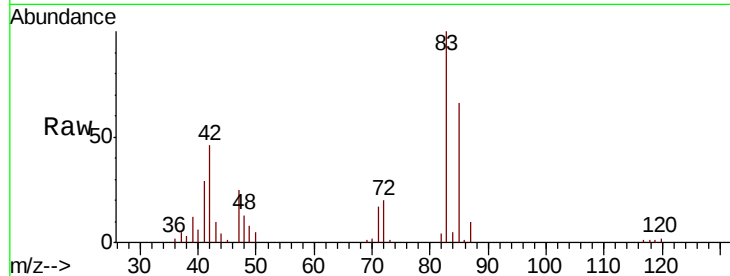
#41
Tetrahydrofuran
Concen: 16.51 ug/l
RT: 4.66 min Scan# 1083
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	33.2	49.8
71	39.7	29.8	44.8

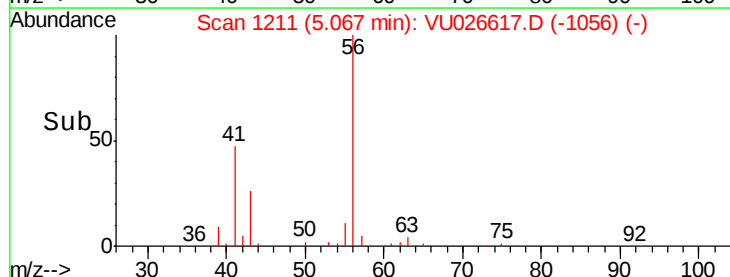
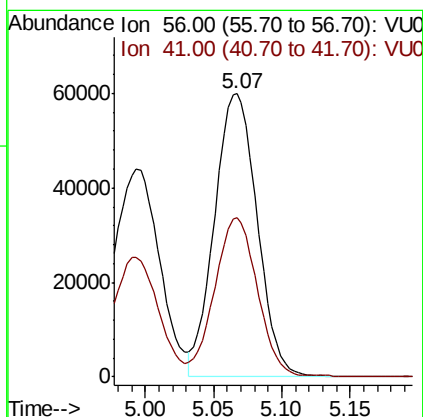
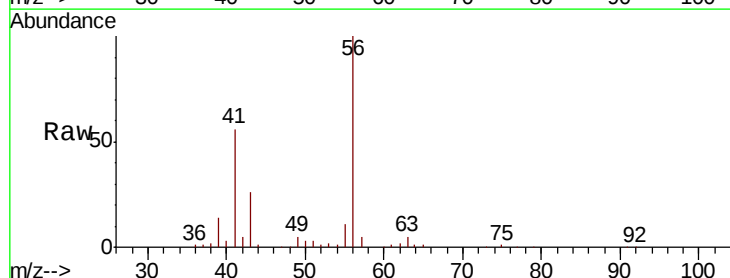
Manual Integrations
APPROVED

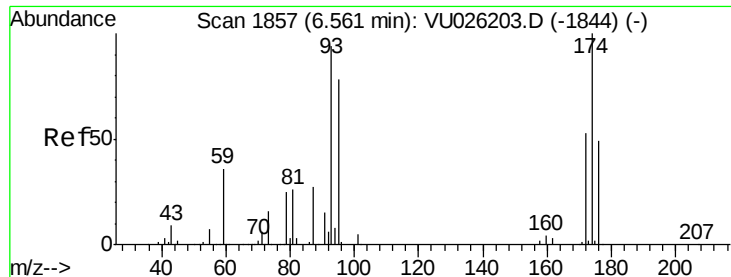
MMDadoda
9/10/2018 9:52:52 AM



#42
1-Chlorobutane
Concen: 8.89 ug/l
RT: 5.07 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
56	100		
41	55.5	27.5	82.5





#43

Dibromomethane

Concen: 8.00 ug/l

RT: 6.56 min Scan# 1676

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

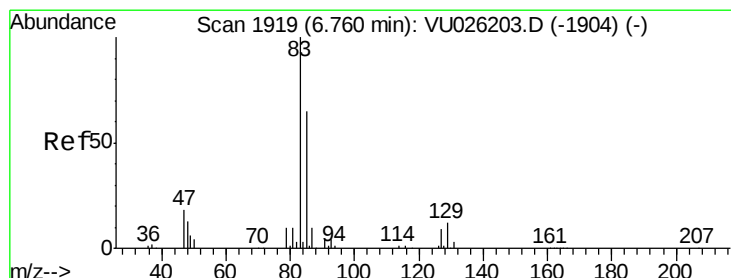
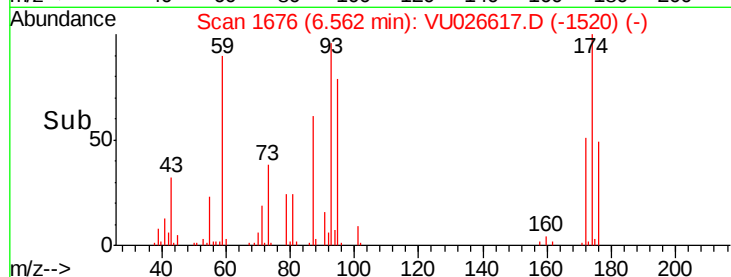
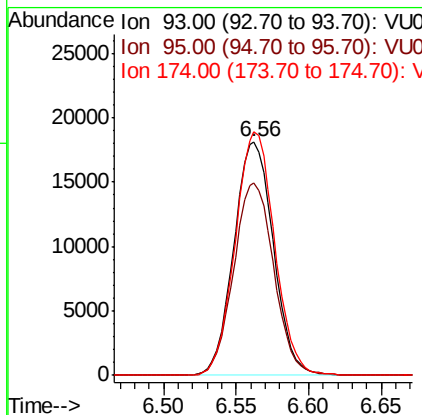
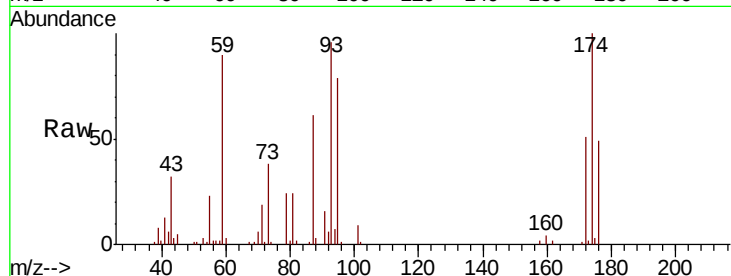
ClientSampleId :

VSTDCCC010EC

Tot Ion:	93	Resp:	34363
Ion	Ratio	Lower	Upper
93	100		
95	83.7	67.2	100.8
174	103.9	82.8	124.2

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9/10/2018 9:52:52 AM



#44

Bromodichloromethane

Concen: 7.79 ug/l

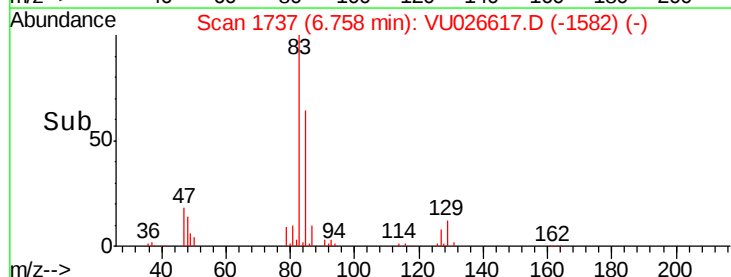
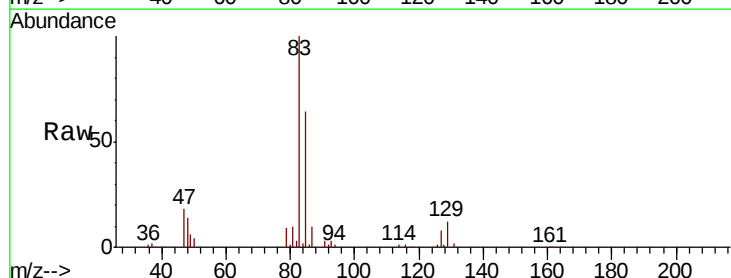
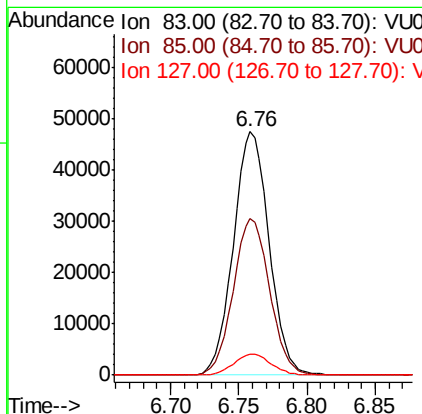
RT: 6.76 min Scan# 1737

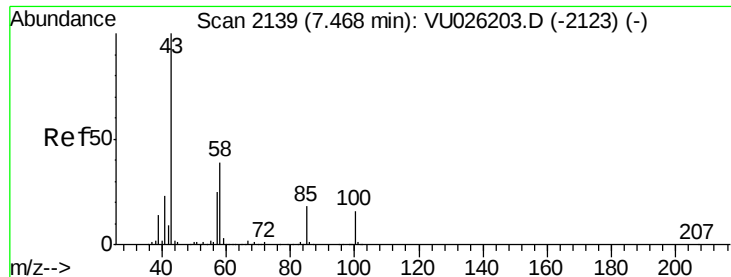
Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Tgt Ion:	83	Resp:	86321
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.2	78.4
127	8.4	7.0	10.4





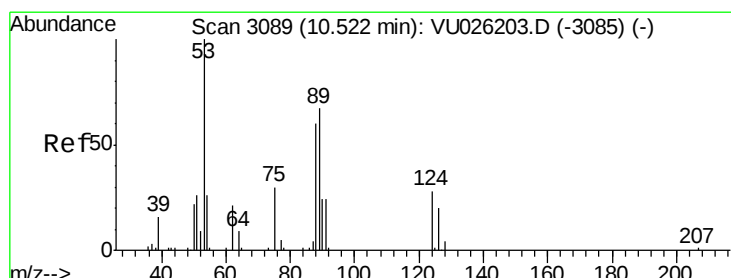
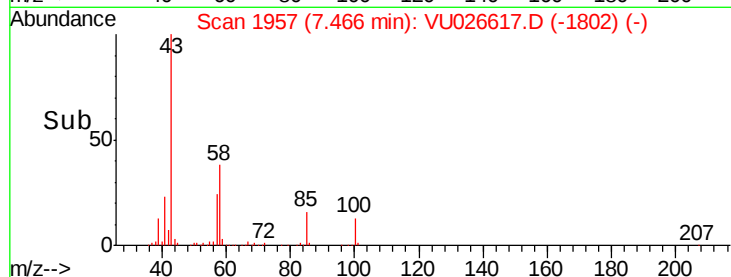
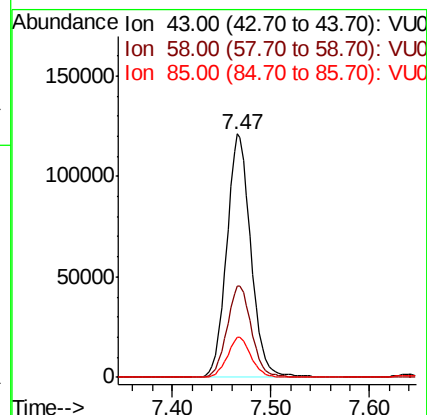
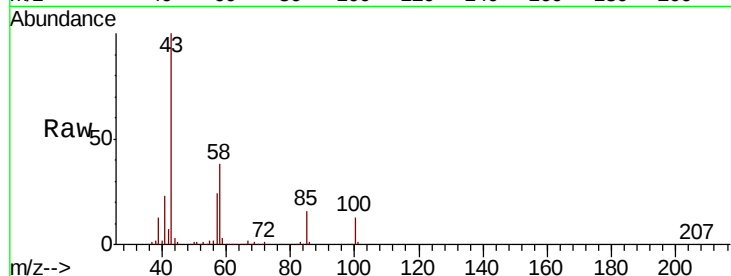
#45
4-Methyl-2-Pentanone
Concen: 47.88 ug/l
RT: 7.47 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	18.8	56.4
85	16.2	12.6	19.0

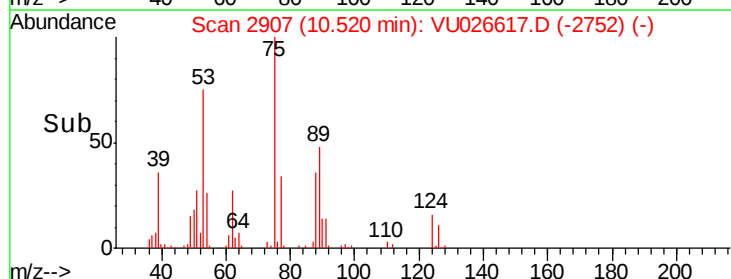
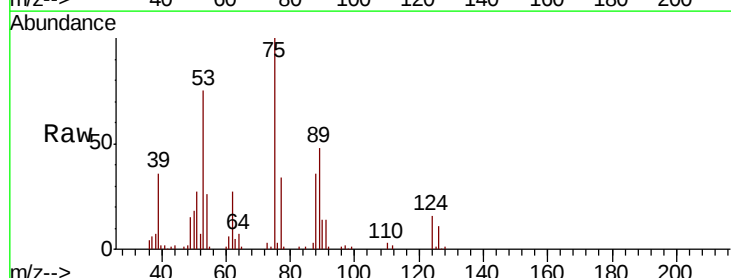
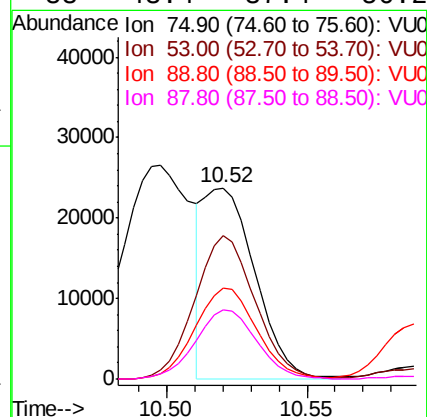
Manual Integrations
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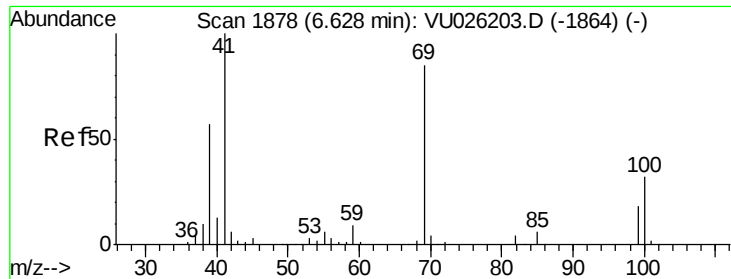
MMDadoda
9/10/2018 9:52:52 AM



#46
t-1,4-Dichloro-2-butene
Concen: 13.81 ug/l m
RT: 10.52 min Scan# 2907
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
53	88.7	82.2	123.4
89	57.7	51.3	76.9
88	43.4	37.4	56.2





#47

Methyl methacrylate

Concen: 18.70 ug/l

RT: 6.63 min Scan# 1697

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

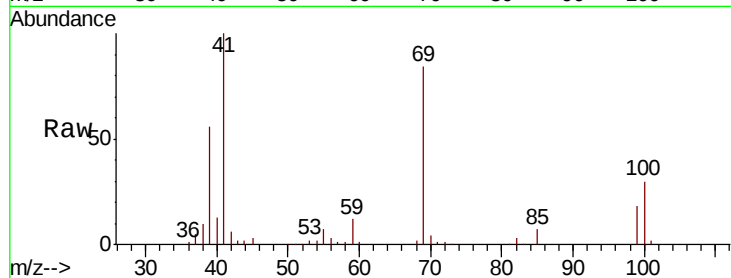
ClientSampleId :

VSTDCCC010EC

Tot Ion:	69	Resp:	61335
Ion	Ratio	Lower	Upper
69	100		
41	120.7	0.0	245.4
39	67.1	49.0	73.4
100	35.3	27.8	41.8

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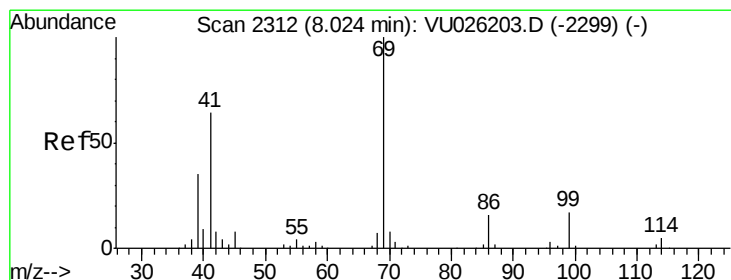
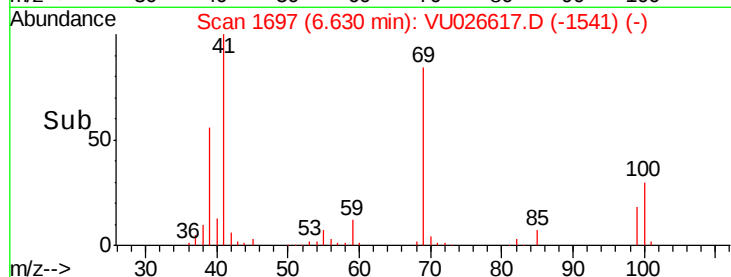
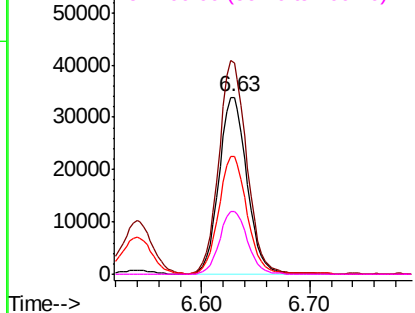
Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0

Ion 39.00 (38.70 to 39.70): VU0

Ion 100.00 (99.70 to 100.70): VU0



#48

Ethyl methacrylate

Concen: 9.81 ug/l

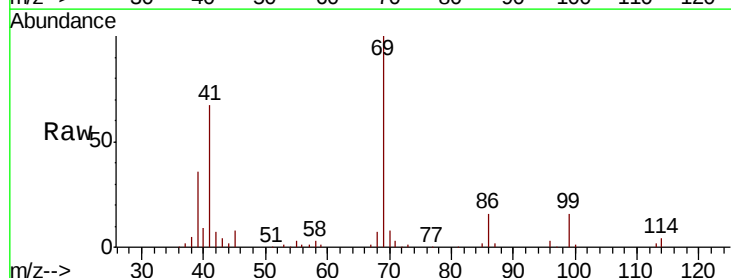
RT: 8.02 min Scan# 2130

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

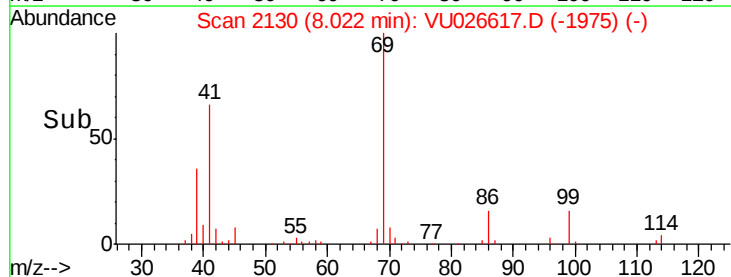
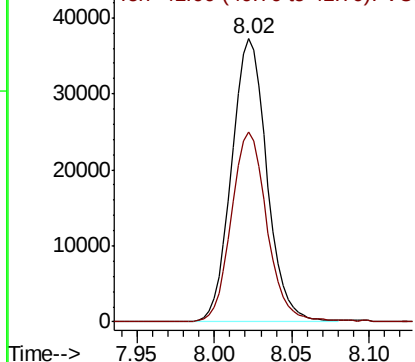
Tgt Ion:	69	Resp:	58877
Ion	Ratio	Lower	Upper
69	100		
41	68.0	34.2	102.5

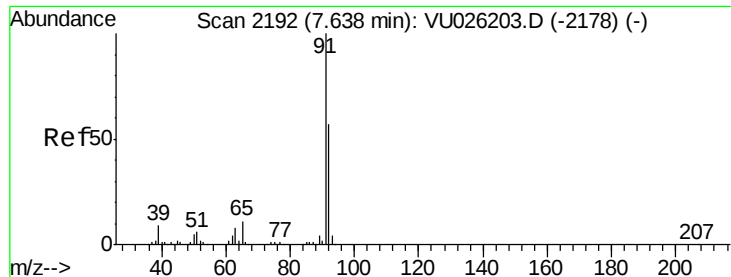


Abundance

Ion 69.00 (68.70 to 69.70): VU0

Ion 41.00 (40.70 to 41.70): VU0





#49

Toluene

Concen: 8.93 ug/l

RT: 7.64 min Scan# 2011

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 92 Resp: 159087

Ion Ratio Lower Upper

92 100

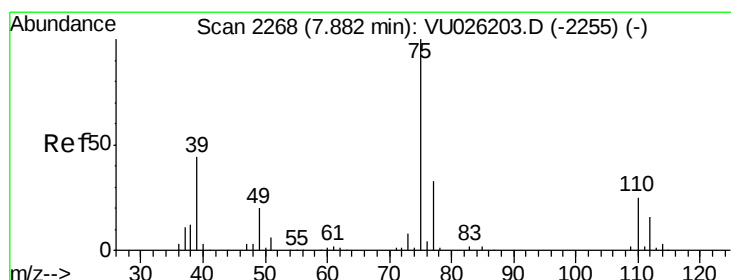
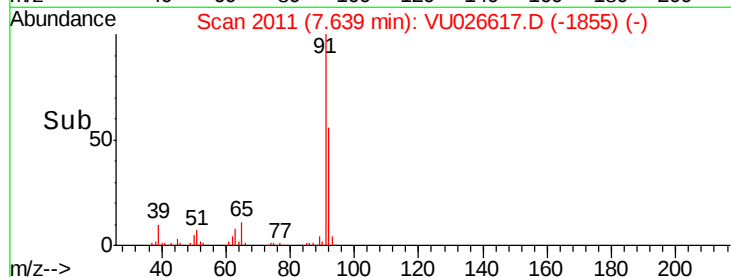
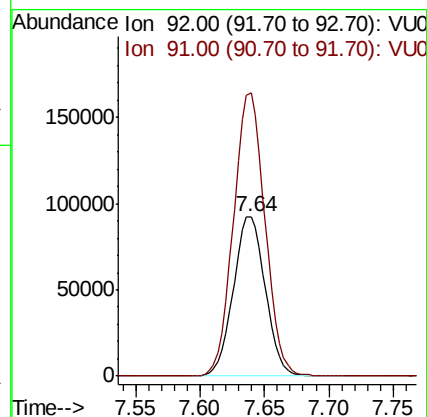
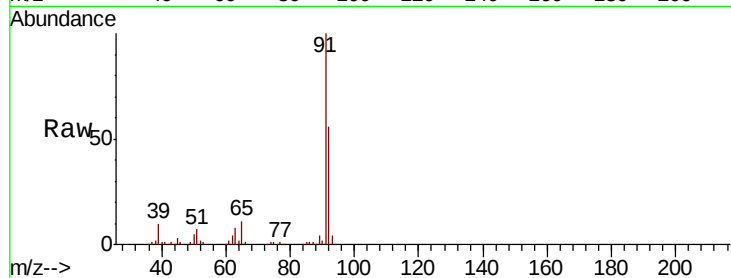
91 175.5 137.1 205.7

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#50

t-1,3-Dichloropropene

Concen: 8.21 ug/l

RT: 7.88 min Scan# 2087

Delta R.T. 0.00 min

Lab File: VU026617.D

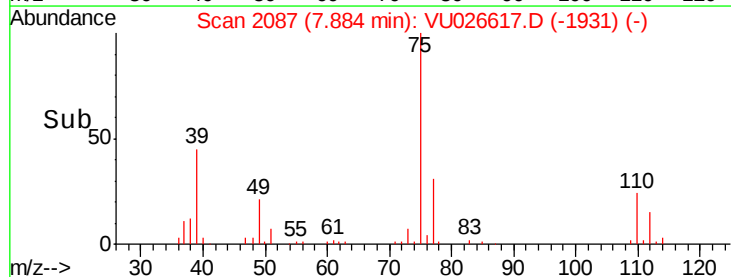
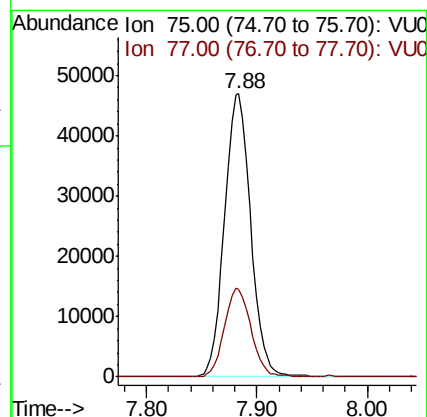
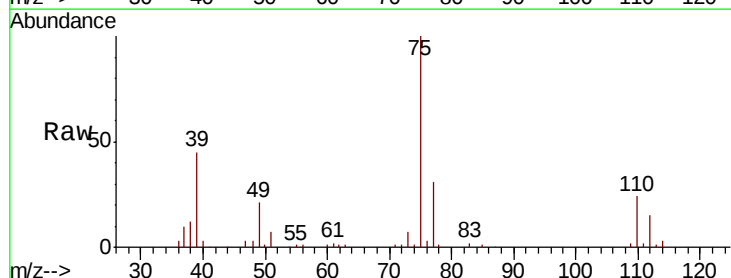
Acq: 07 Sep 2018 12:22

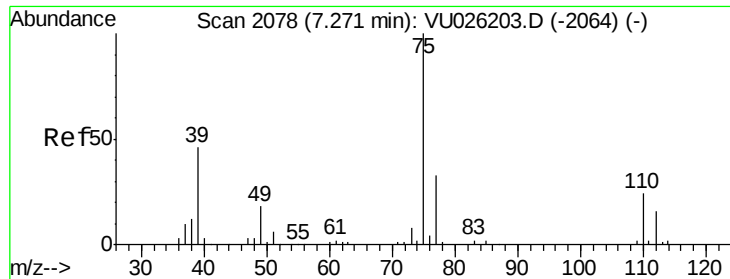
Tgt Ion: 75 Resp: 77659

Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8





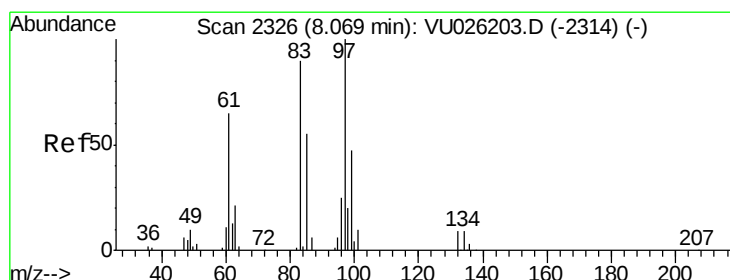
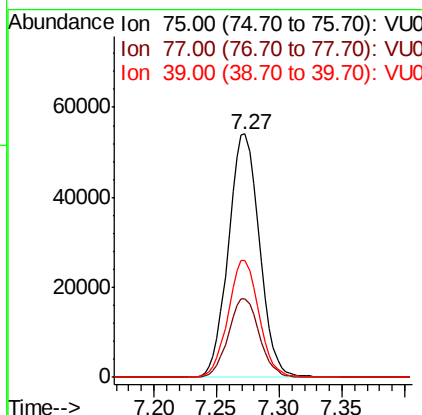
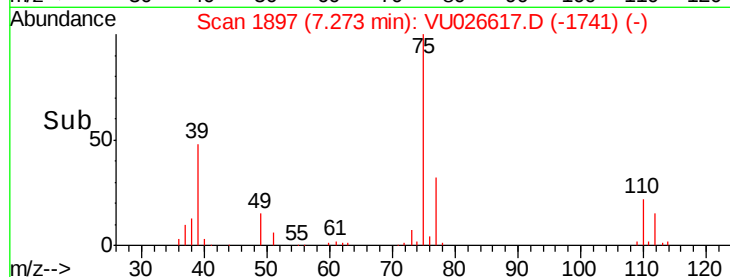
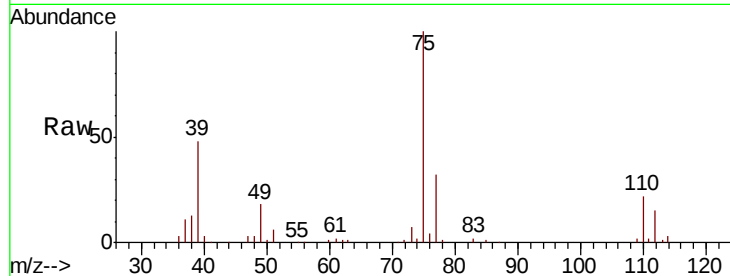
#51
 cis-1,3-Dichloropropene
 Concen: 8.51 ug/l
 RT: 7.27 min Scan# 1897
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.2	37.8
39	47.9	36.4	54.6

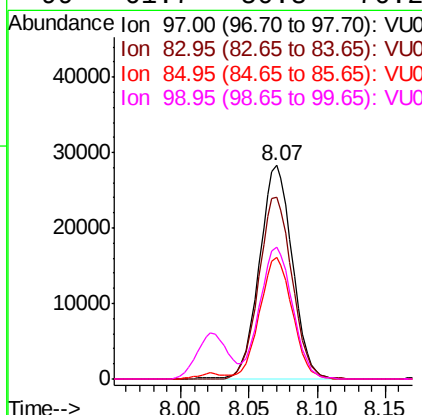
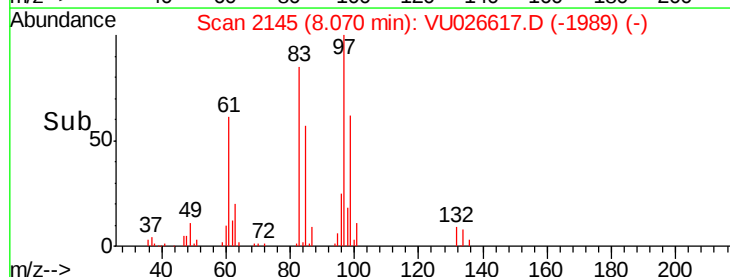
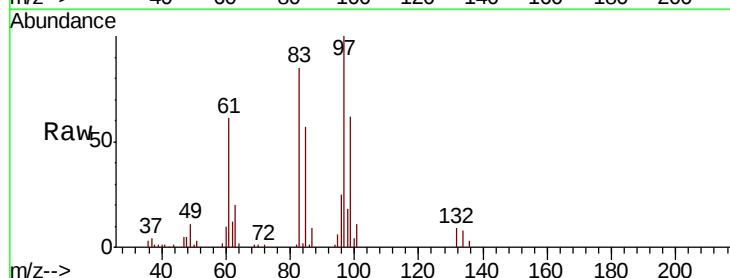
Manual Integrations
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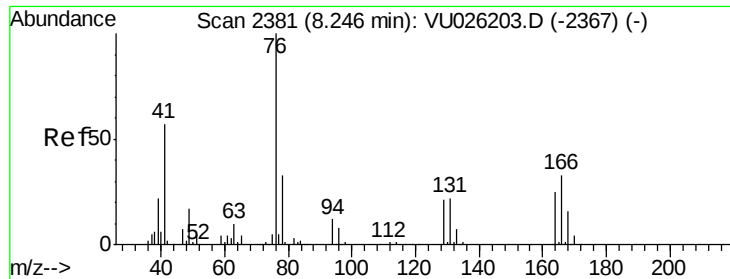
MMDadoda
 9/10/2018 9:52:52 AM



#52
 1,1,2-Trichloroethane
 Concen: 8.14 ug/l
 RT: 8.07 min Scan# 2145
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.3	72.6	109.0
85	56.8	47.2	70.8
99	61.7	50.8	76.2





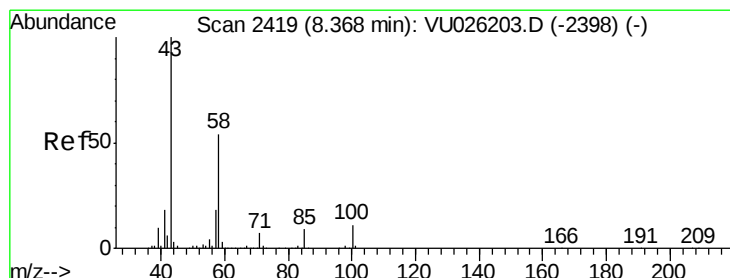
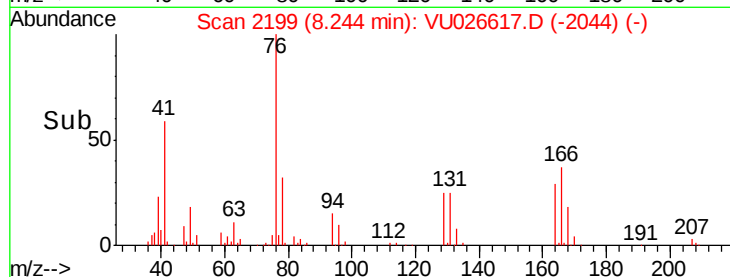
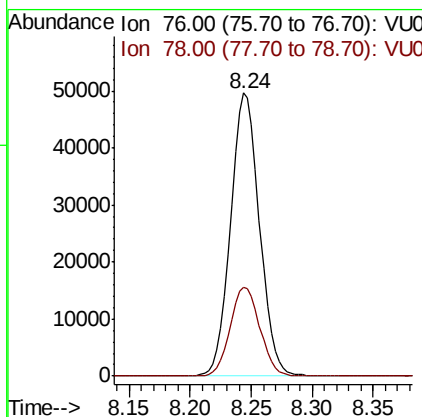
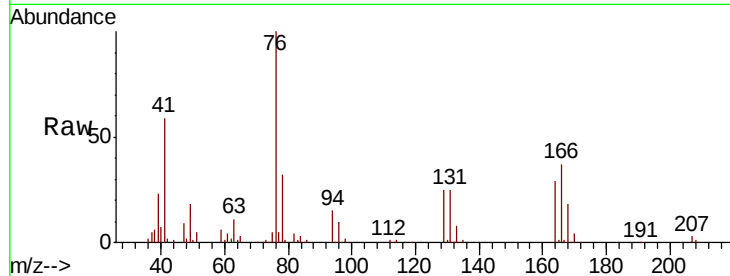
#53
 1,3-Dichloropropane
 Concen: 8.46 ug/l
 RT: 8.24 min Scan# 2199
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 76 Resp: 81886
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

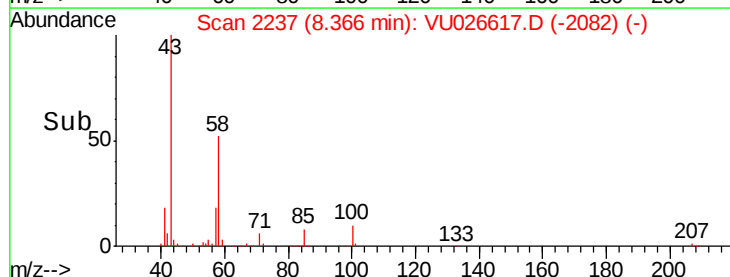
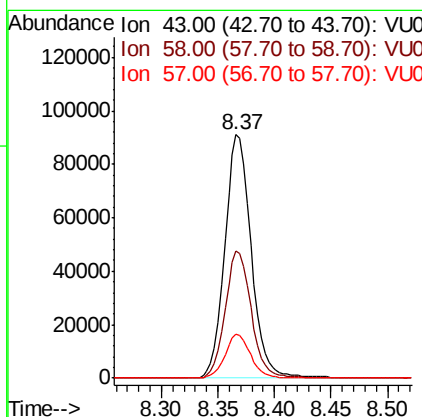
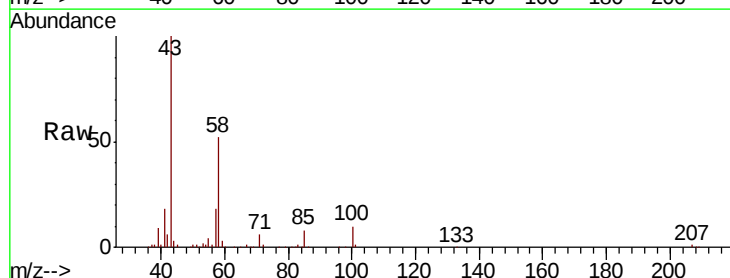
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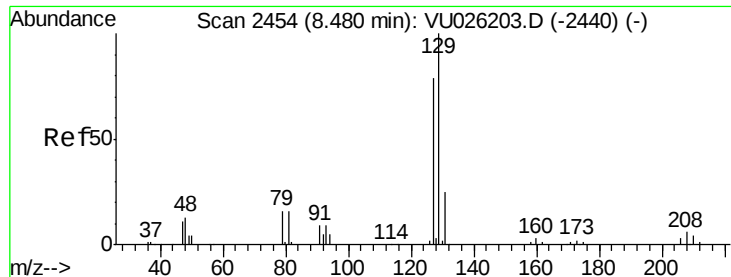
MMDadoda
 9/10/2018 9:52:52 AM



#54
 2-Hexanone
 Concen: 47.80 ug/l
 RT: 8.37 min Scan# 2237
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion: 43 Resp: 148088
 Ion Ratio Lower Upper
 43 100
 58 51.8 32.5 72.5
 57 17.4 0.0 37.9





#55

Dibromochloromethane

Concen: 7.45 ug/l

RT: 8.48 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:129 Resp: 57984

Ion Ratio Lower Upper

129 100

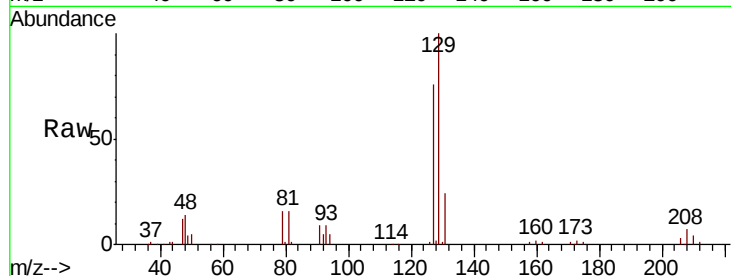
127 77.4 61.1 91.7

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.48

40000

30000

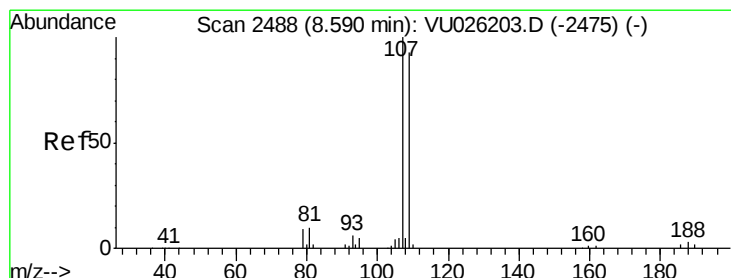
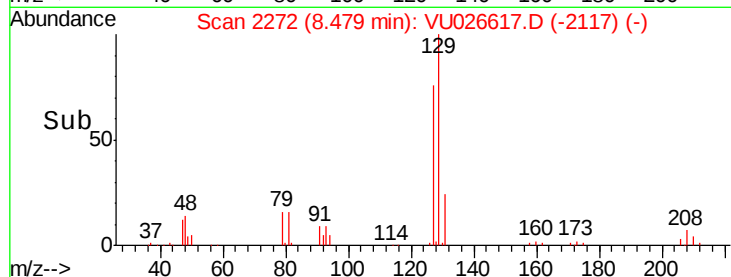
20000

10000

0

8.40 8.45 8.50 8.55

Time-->



#56

1,2-Dibromoethane

Concen: 7.74 ug/l

RT: 8.59 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VU026617.D

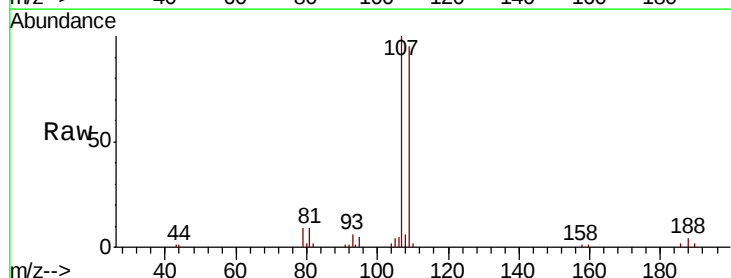
Acq: 07 Sep 2018 12:22

Tgt Ion:107 Resp: 43839

Ion Ratio Lower Upper

107 100

109 94.3 0.0 189.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.59

30000

25000

20000

15000

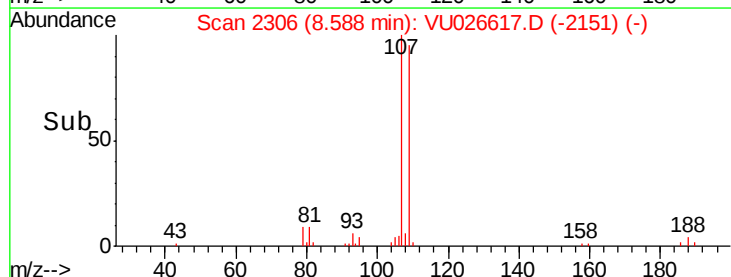
10000

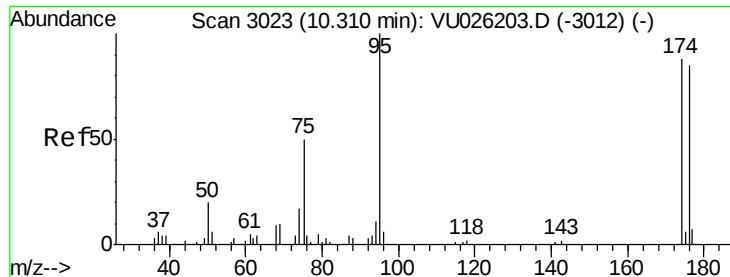
5000

0

8.50 8.55 8.60 8.65

Time-->





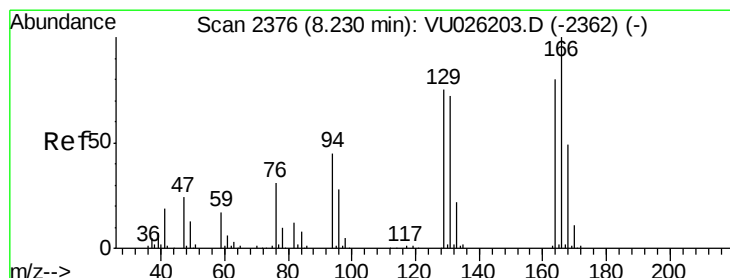
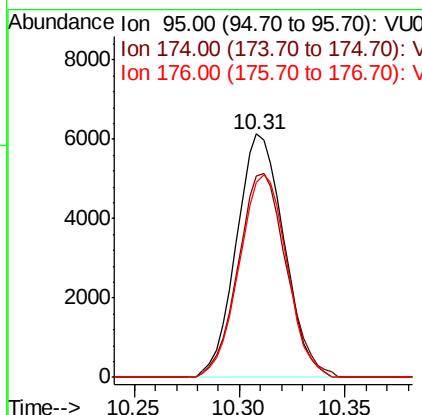
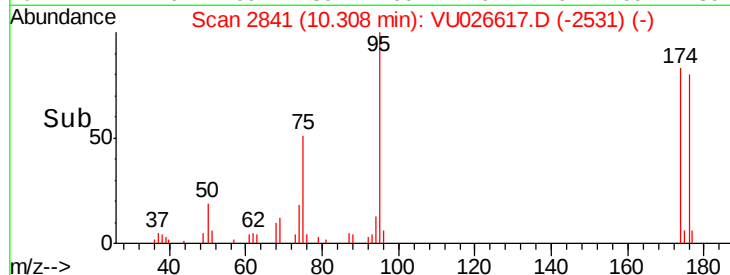
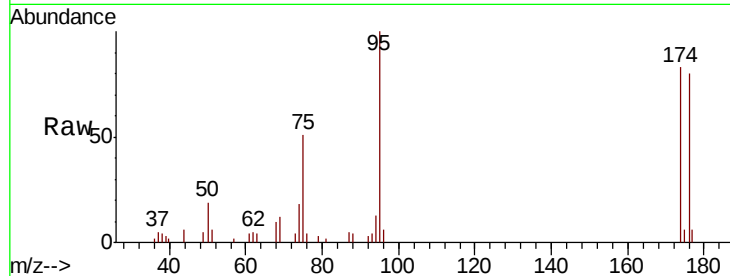
#57
4-Bromofluorobenzene
Concen: 7.74 ug/l
RT: 10.31 min Scan# 2841
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
95	100		
174	85.4	65.6	98.4
176	83.5	62.0	93.0

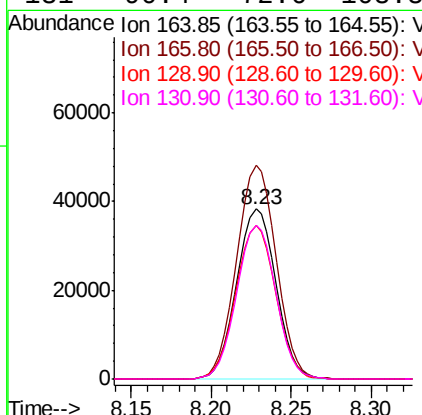
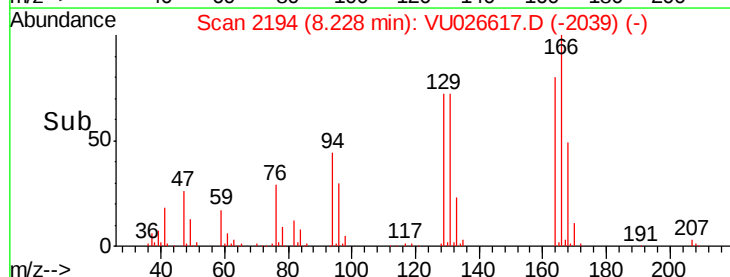
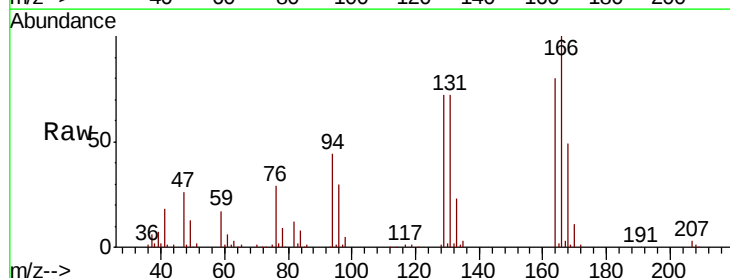
Manual Integrations
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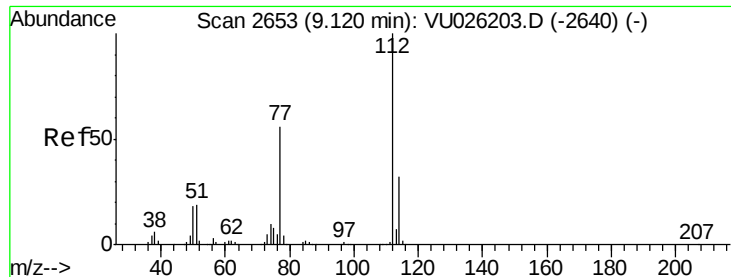
MMDadoda
9/10/2018 9:52:52 AM



#58
Tetrachloroethene
Concen: 7.75 ug/l
RT: 8.23 min Scan# 2194
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	104.1	156.1
129	90.1	76.8	115.2
131	90.4	72.6	108.8





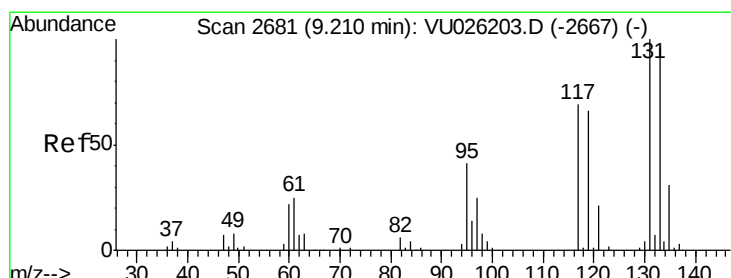
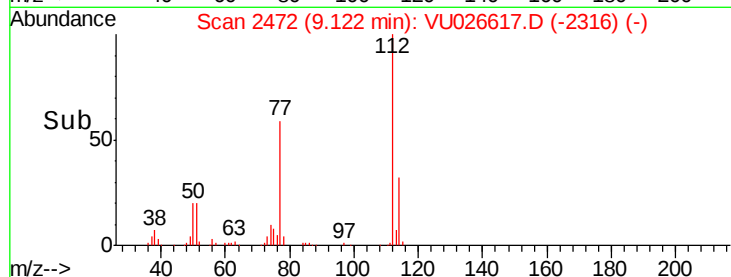
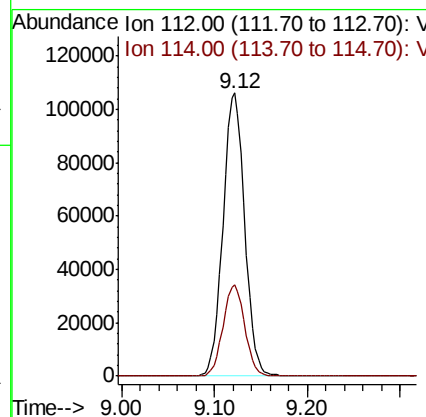
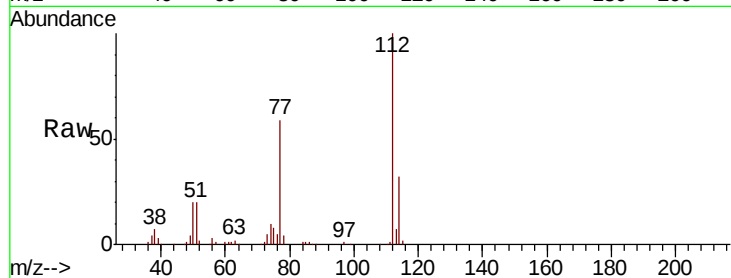
#59
Chlorobenzene
Concen: 8.31 ug/l
RT: 9.12 min Scan# 2472
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.4	38.2

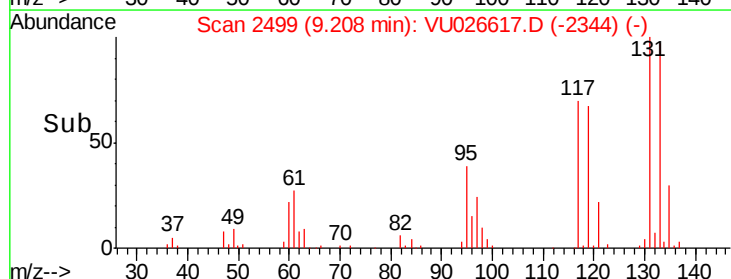
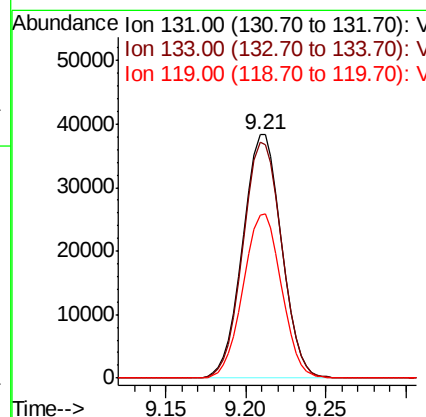
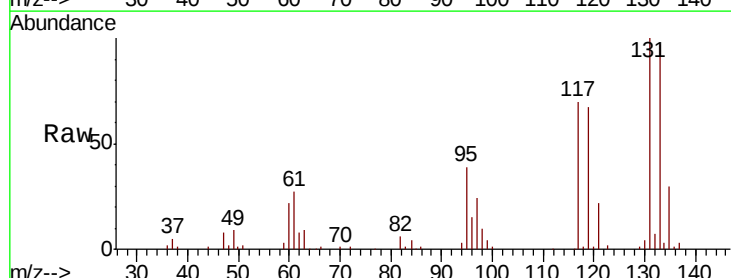
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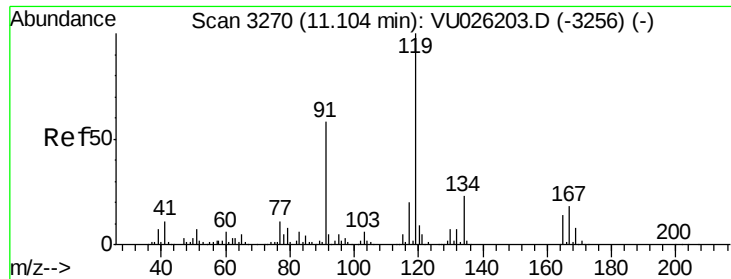
MMDadoda
9/10/2018 9:52:52 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 7.69 ug/l
RT: 9.21 min Scan# 2499
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.2	75.8	113.8
119	66.6	53.0	79.6





#61

Pentachloroethane

Concen: 7.32 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 51377

Ion Ratio Lower Upper

117 100

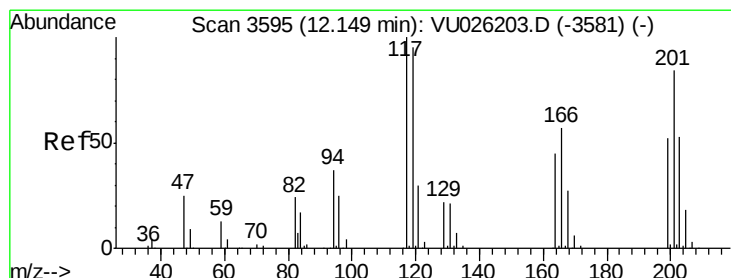
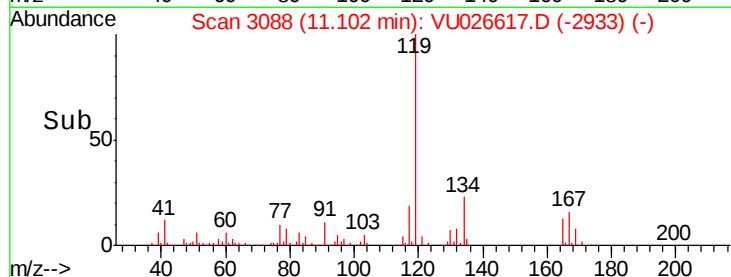
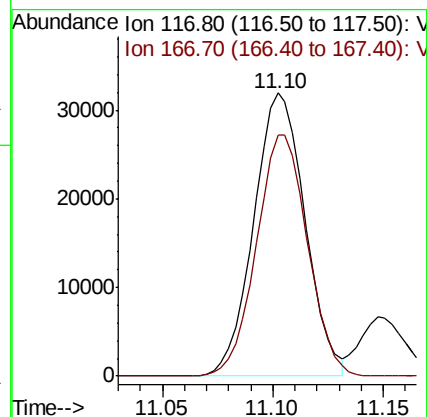
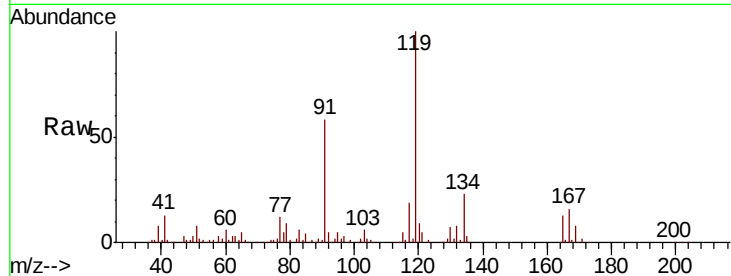
167 84.9 69.2 103.8

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#62

Hexachloroethane

Concen: 7.72 ug/l

RT: 12.15 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VU026617.D

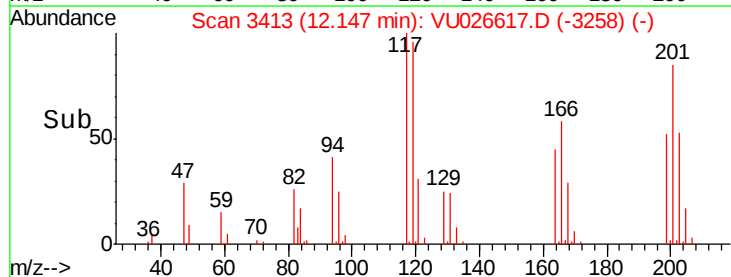
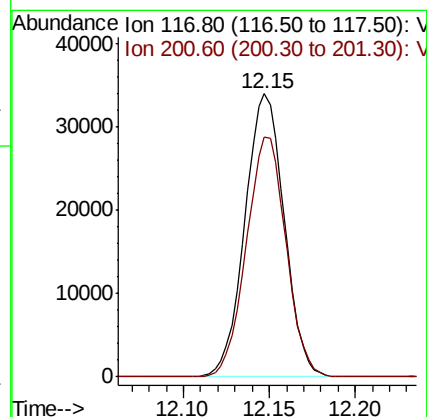
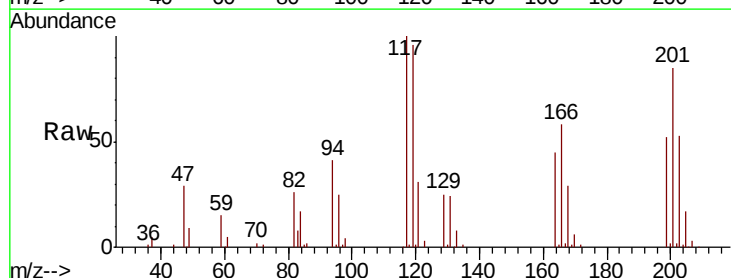
Acq: 07 Sep 2018 12:22

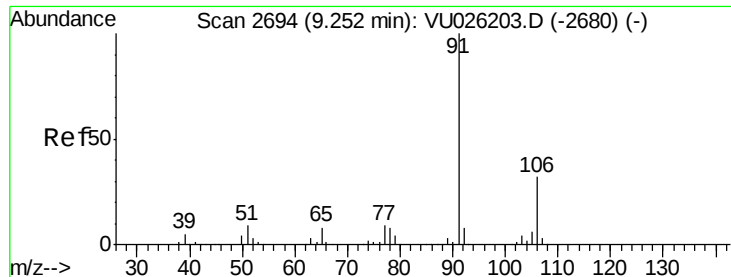
Tgt Ion:117 Resp: 54051

Ion Ratio Lower Upper

117 100

201 85.2 68.7 103.1





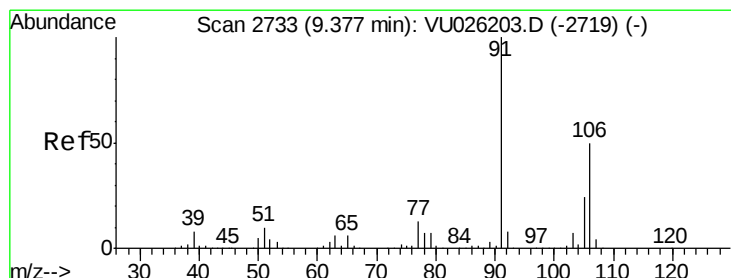
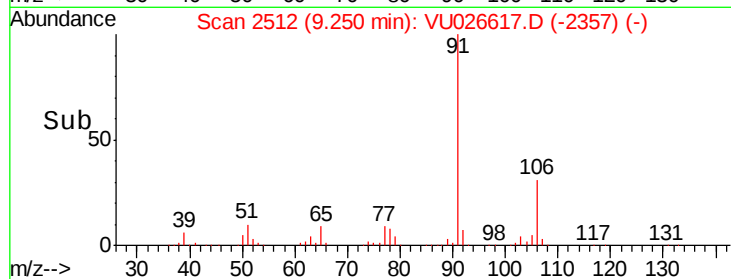
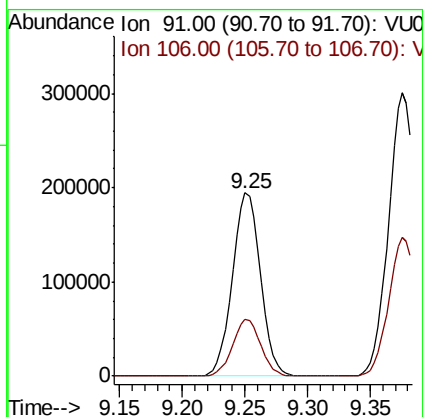
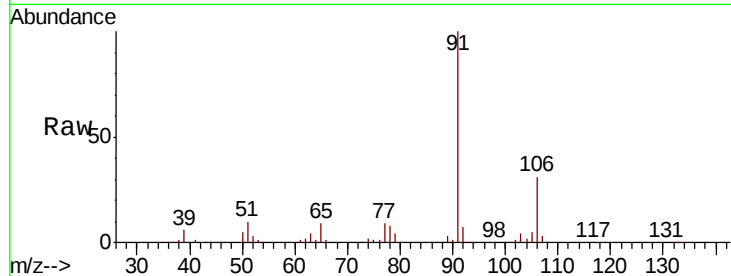
#63
Ethyl Benzene
Concen: 9.24 ug/l
RT: 9.25 min Scan# 2512
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 302557
Ion Ratio Lower Upper
91 100
106 30.8 24.7 37.1

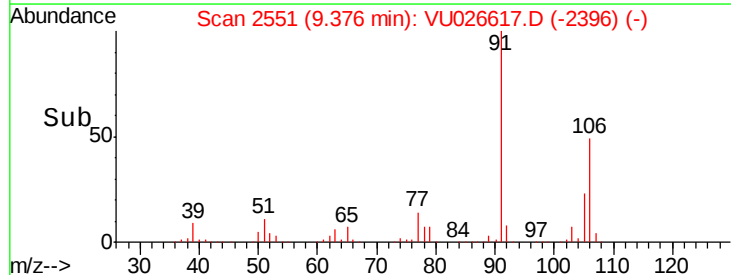
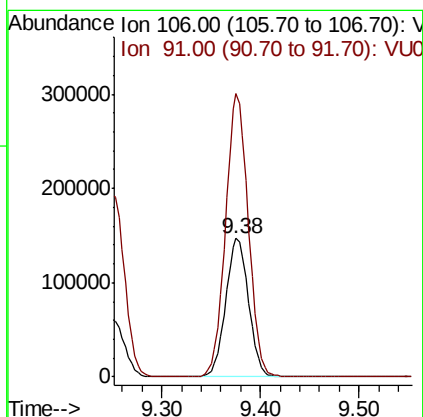
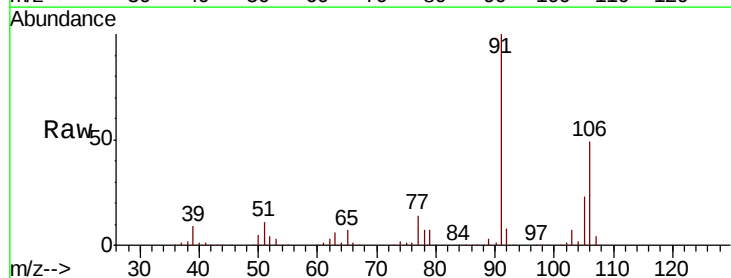
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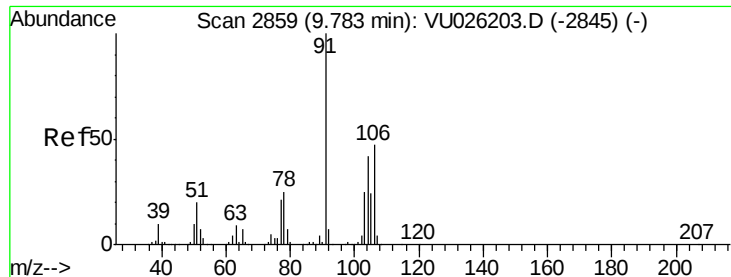
MMDadoda
9/10/2018 9:52:52 AM



#64
m/p-Xylenes
Concen: 18.35 ug/l
RT: 9.38 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion: 106 Resp: 239870
Ion Ratio Lower Upper
106 100
91 202.0 164.1 246.1





#65

o-Xylene

Concen: 9.07 ug/l

RT: 9.78 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:106 Resp: 113009

Ion Ratio Lower Upper

106 100

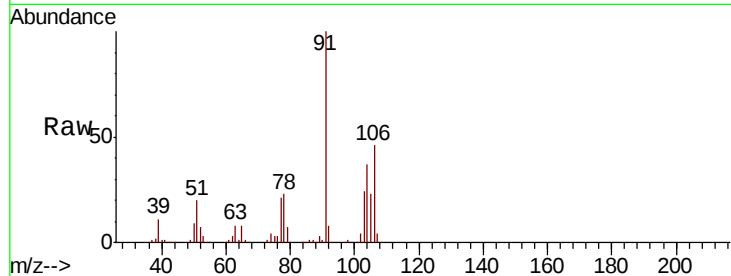
91 212.5 107.9 323.7

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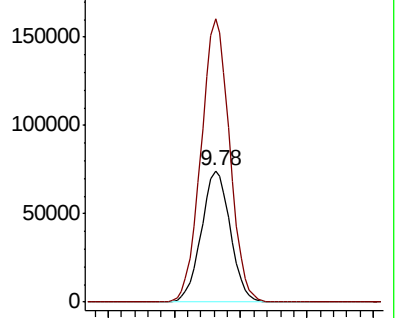
MMDadoda

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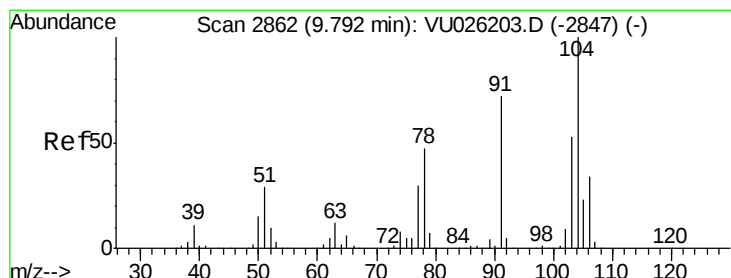
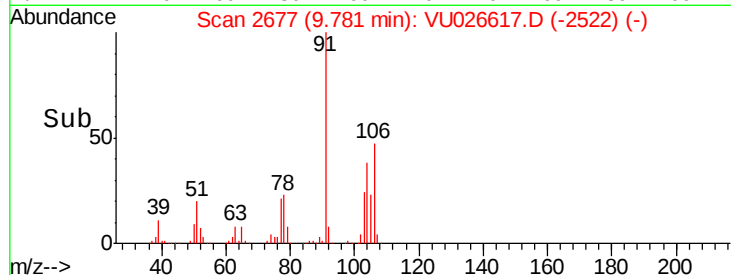


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



Time-->



#66

Styrene

Concen: 9.16 ug/l

RT: 9.79 min Scan# 2681

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

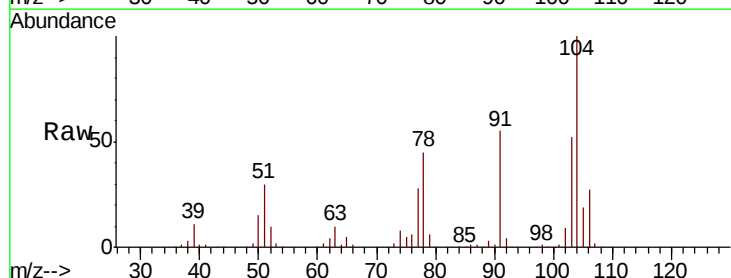
Tgt Ion:104 Resp: 195330

Ion Ratio Lower Upper

104 100

78 49.6 40.2 60.2

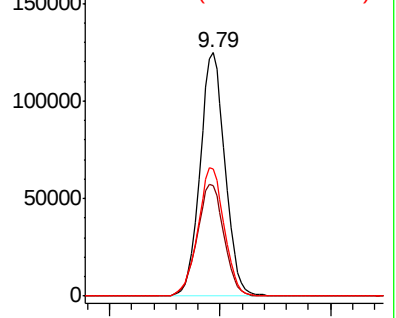
103 55.8 44.2 66.4



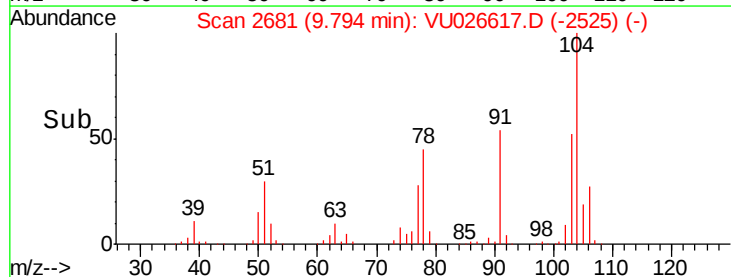
Abundance Ion 104.00 (103.70 to 104.70): V

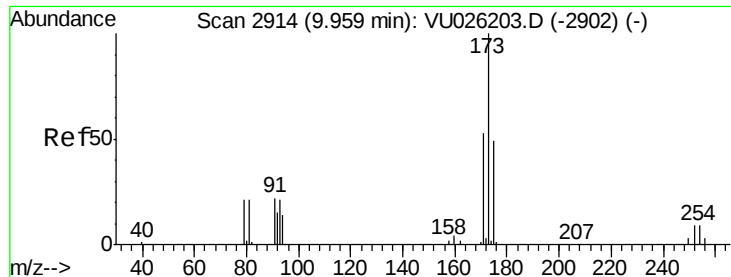
Ion 78.00 (77.70 to 78.70): VU0

Ion 103.00 (102.70 to 103.70): V



Time-->





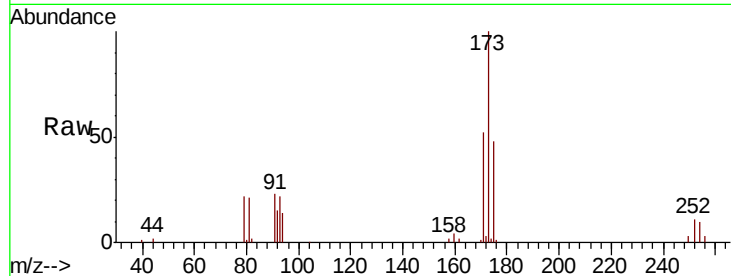
#67
Bromoform
Concen: 7.46 ug/l
RT: 9.96 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	38.6	57.8
254	10.2	8.8	13.2

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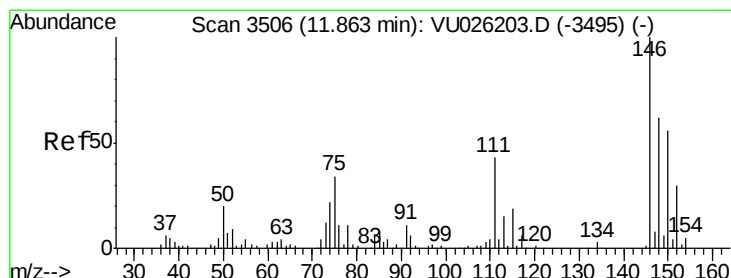
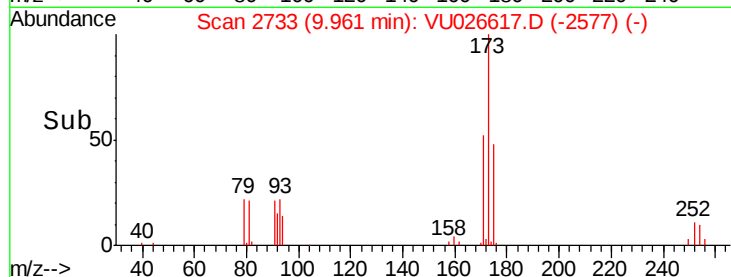
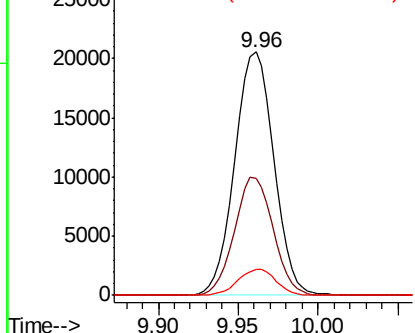


Abundance

Ion 172.90 (172.60 to 173.60): V

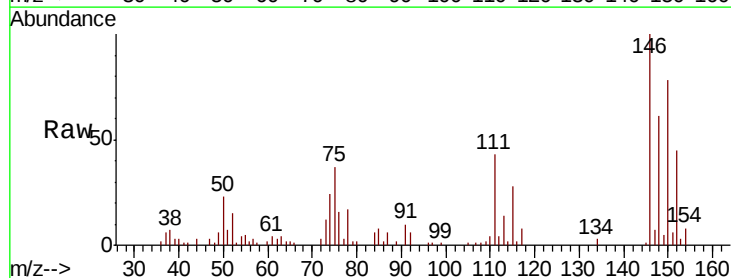
Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V



#68
1,2-Dichlorobenzene-d4
Concen: 7.46 ug/l
RT: 11.86 min Scan# 3324
Delta R.T. -0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	0.0	118.8
150	291.6	0.0	0.0#

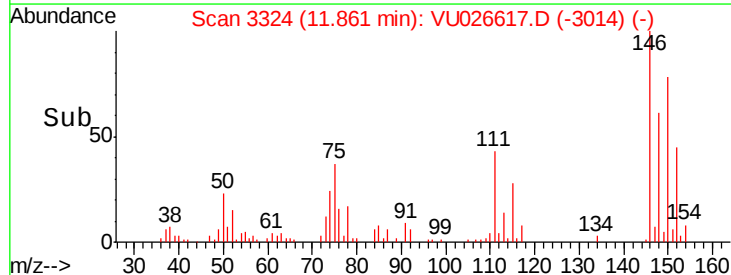
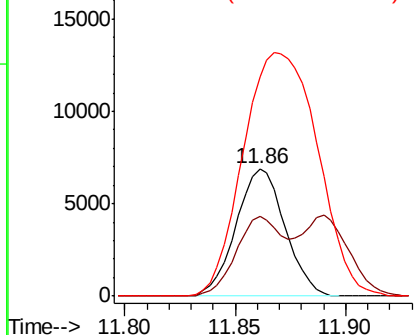


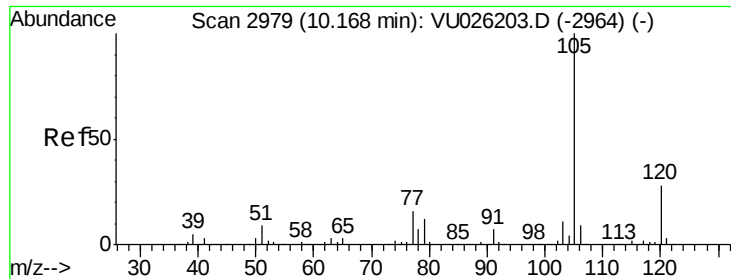
Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 9.03 ug/l

RT: 10.17 min Scan# 2979

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 297397

Ion Ratio Lower Upper

105 100

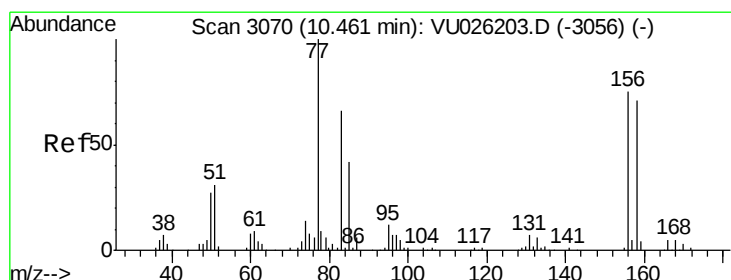
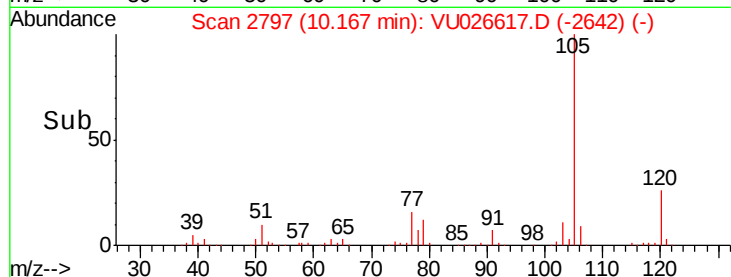
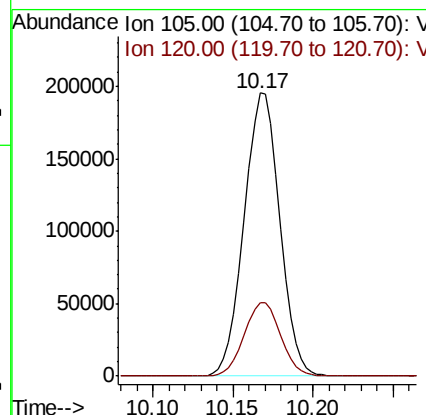
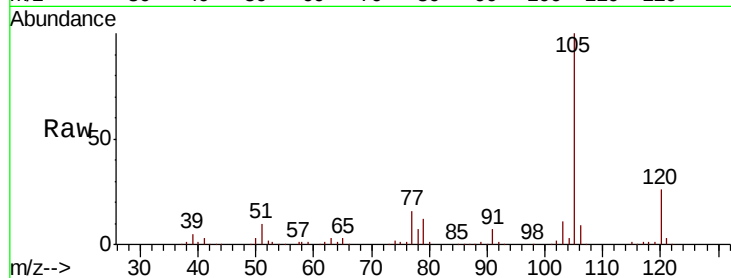
120 26.6 13.1 39.3

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#70

1,1,2,2-Tetrachloroethane

Concen: 8.10 ug/l

RT: 10.46 min Scan# 2888

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

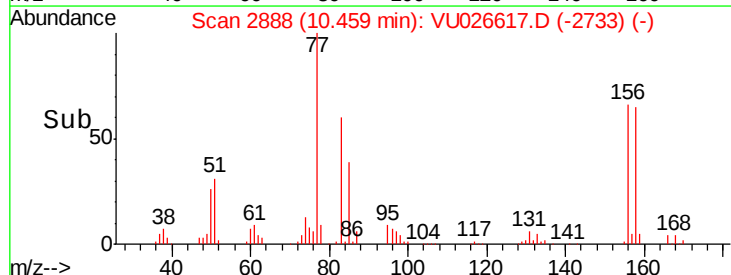
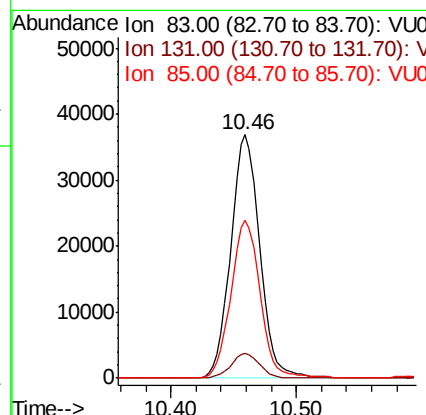
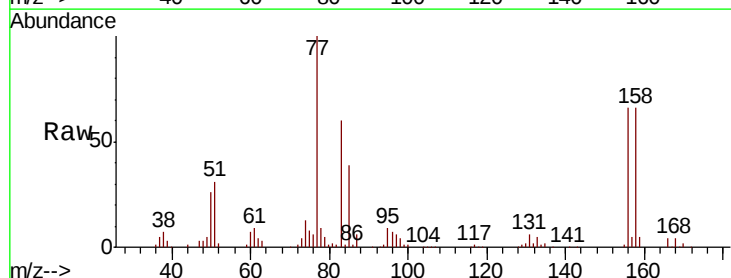
Tgt Ion: 83 Resp: 59152

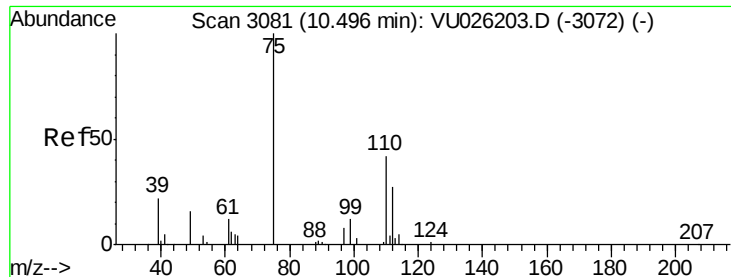
Ion Ratio Lower Upper

83 100

131 9.8 7.9 11.9

85 65.3 51.8 77.6





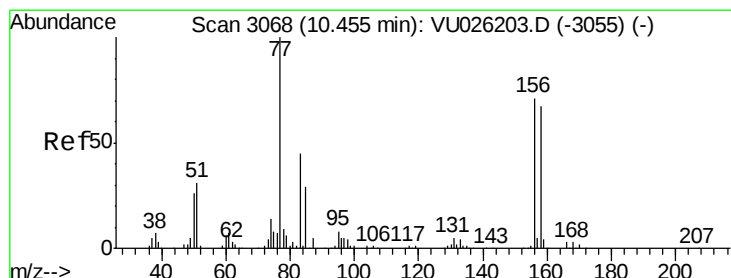
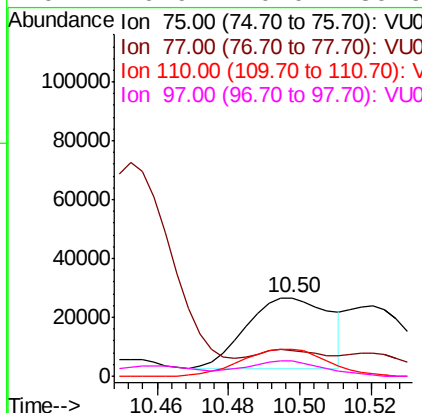
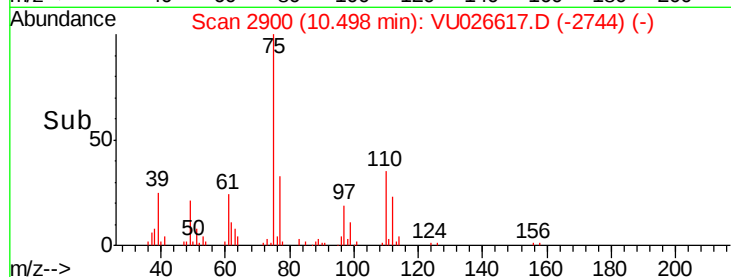
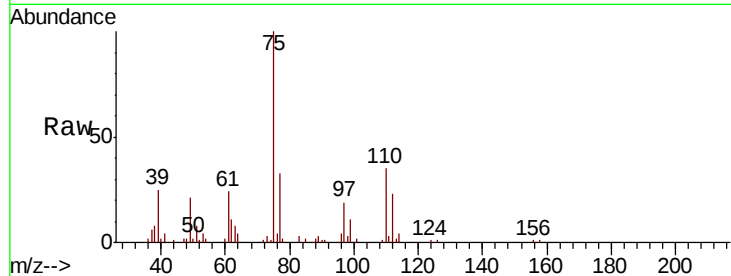
#71
 1,2,3-Trichloropropane
 Concen: 7.42 ug/l
 RT: 10.50 min Scan# 2900
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0
110	39.6	0.0	74.0
97	20.9	0.0	39.6

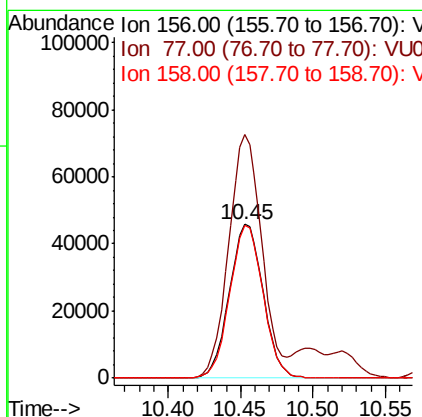
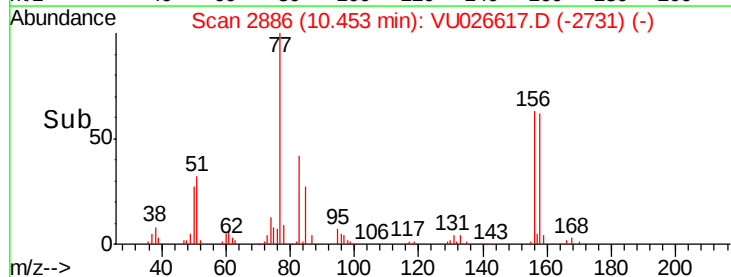
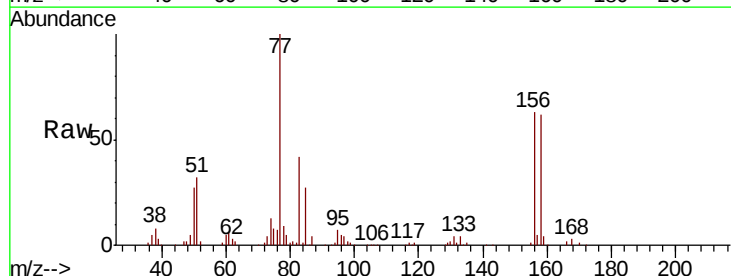
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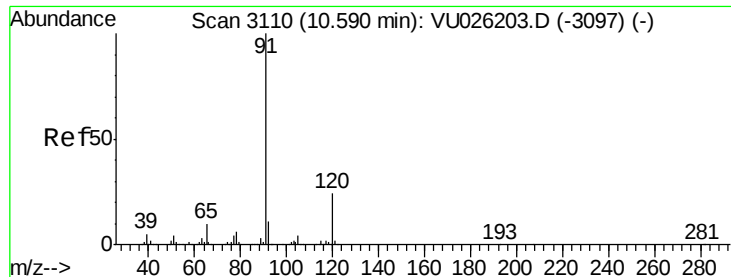
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#72
 Bromobenzene
 Concen: 8.01 ug/l
 RT: 10.45 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
156	100		
77	155.4	0.0	309.8
158	97.7	0.0	193.0





#73

n-propylbenzene

Concen: 8.84 ug/l

RT: 10.59 min Scan# 2928

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:120 Resp: 85178

Ion Ratio Lower Upper

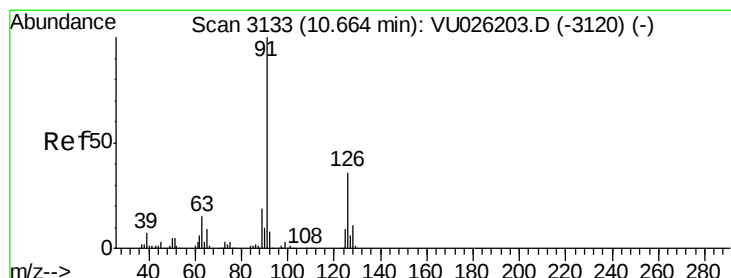
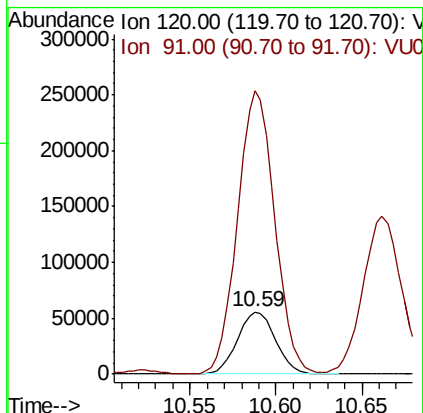
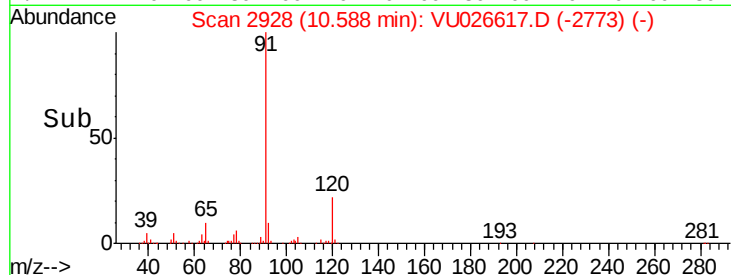
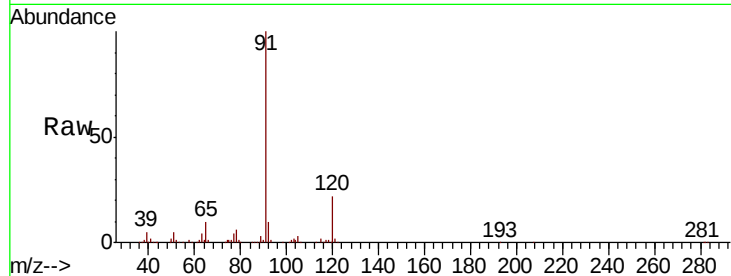
120 100

91 445.8 352.2 528.4

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#74

2-Chlorotoluene

Concen: 8.56 ug/l

RT: 10.66 min Scan# 2951

Delta R.T. -0.00 min

Lab File: VU026617.D

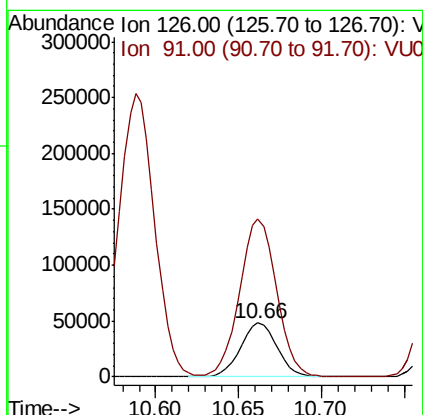
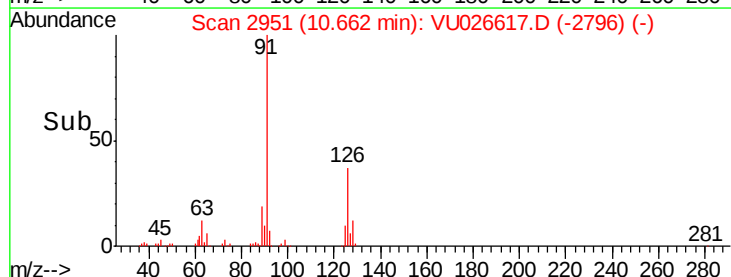
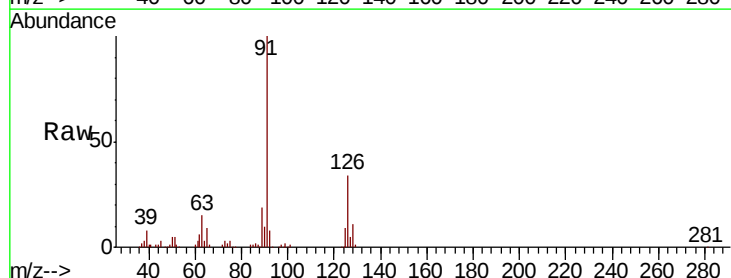
Acq: 07 Sep 2018 12:22

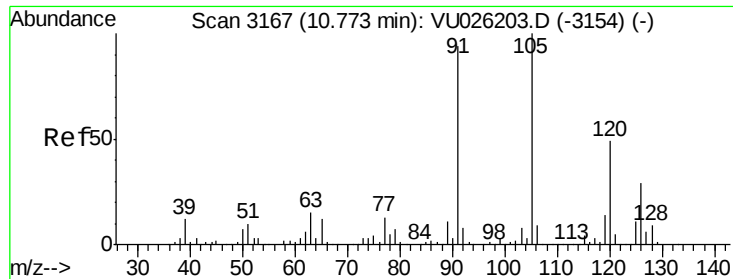
Tgt Ion:126 Resp: 74421

Ion Ratio Lower Upper

126 100

91 292.0 0.0 613.0





#75

1,3,5-Trimethylbenzene

Concen: 9.03 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 264398

Ion Ratio Lower Upper

105 100

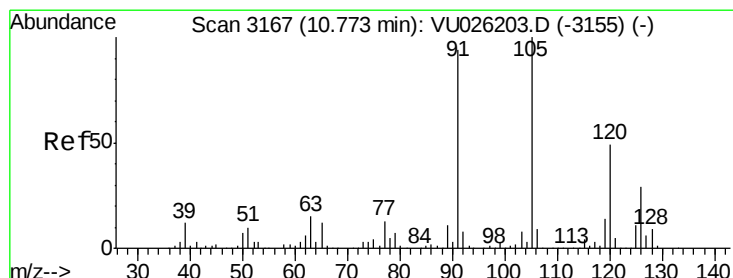
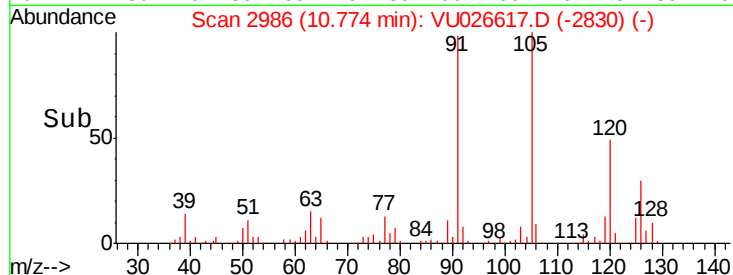
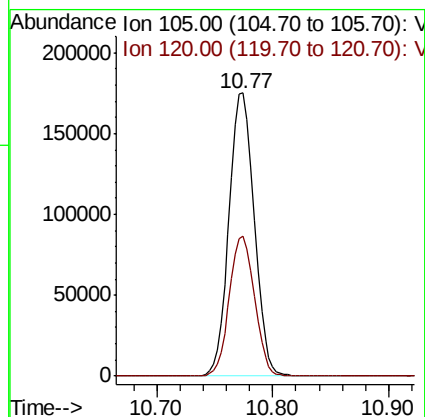
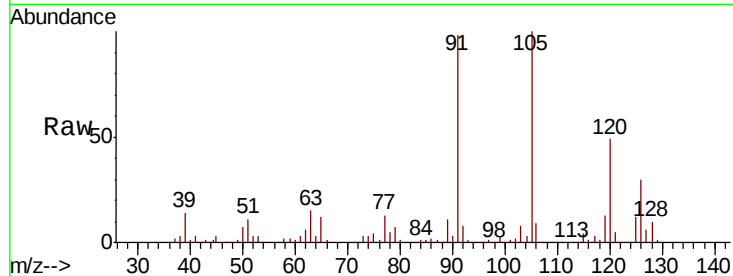
120 49.4 39.0 58.6

Manual Integrations

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#76

4-Chlorotoluene

Concen: 8.78 ug/l

RT: 10.77 min Scan# 2986

Delta R.T. 0.00 min

Lab File: VU026617.D

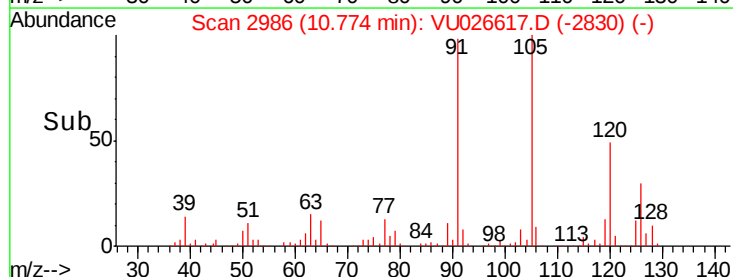
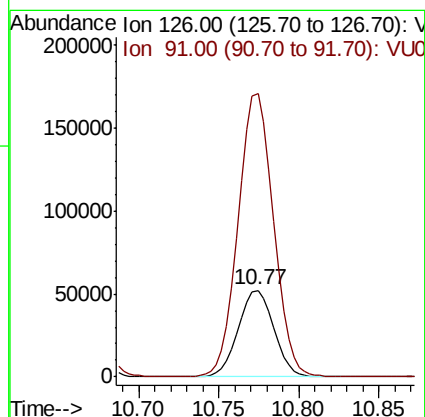
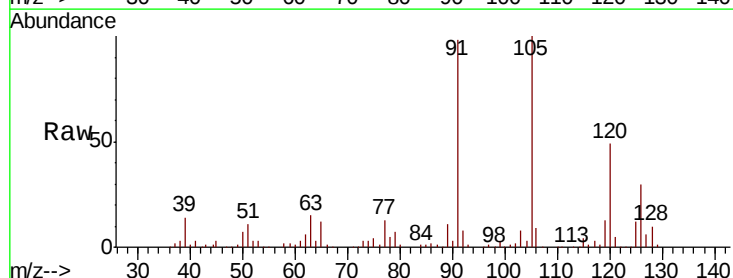
Acq: 07 Sep 2018 12:22

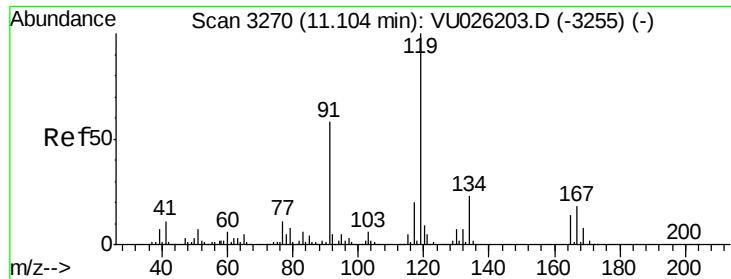
Tgt Ion:126 Resp: 78441

Ion Ratio Lower Upper

126 100

91 328.4 0.0 667.2





#77

tert-Butylbenzene

Concen: 8.73 ug/l

RT: 11.10 min Scan# 3088

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

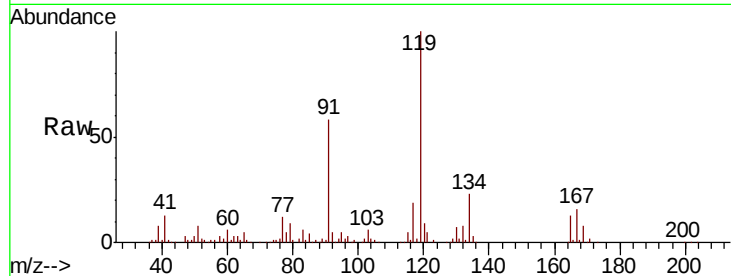
ClientSampleId :

VSTDCCC010EC

Tot Ion:	119	Resp:	254543
Ion Ratio	Lower	Upper	
119	100		
91	57.5	29.6	88.8
134	23.4	19.1	28.7

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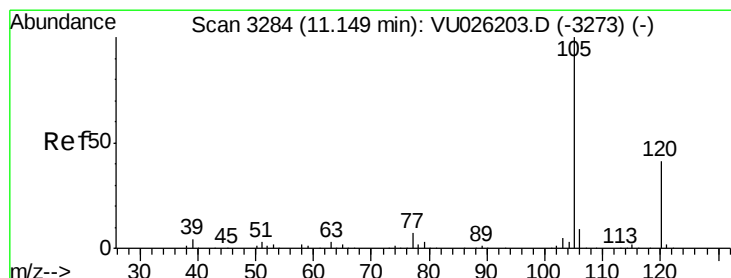
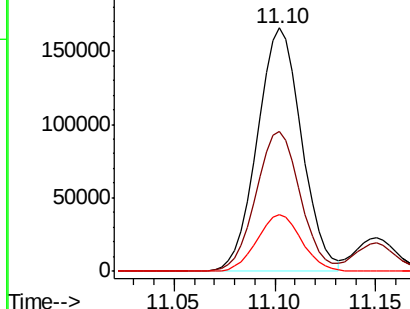
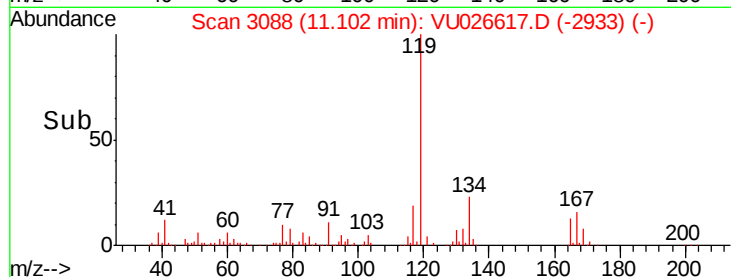
MMDadoda
9/10/2018 9:52:52 AM



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#78

1,2,4-Trimethylbenzene

Concen: 9.03 ug/l

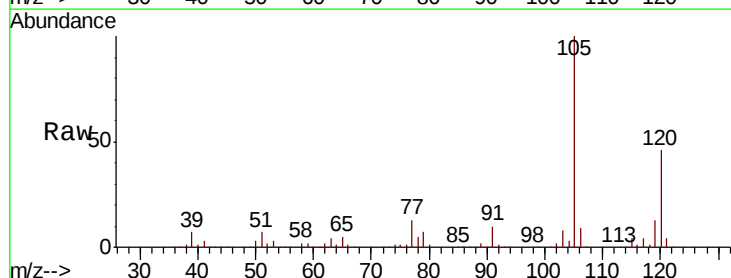
RT: 11.15 min Scan# 3103

Delta R.T. 0.00 min

Lab File: VU026617.D

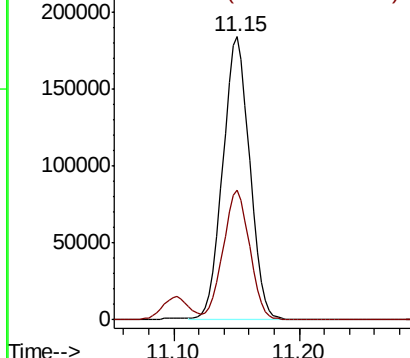
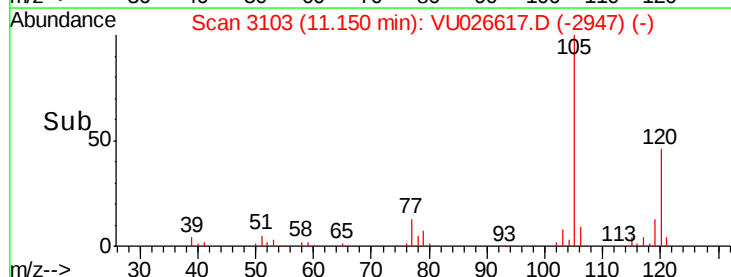
Acq: 07 Sep 2018 12:22

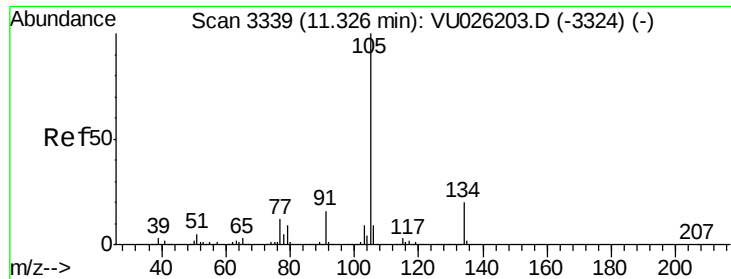
Tgt Ion:	105	Resp:	273628
Ion Ratio	Lower	Upper	
105	100		
120	45.5	23.1	69.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#79

sec-Butylbenzene

Concen: 9.03 ug/l

RT: 11.32 min Scan# 3157

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 345021

Ion Ratio Lower Upper

105 100

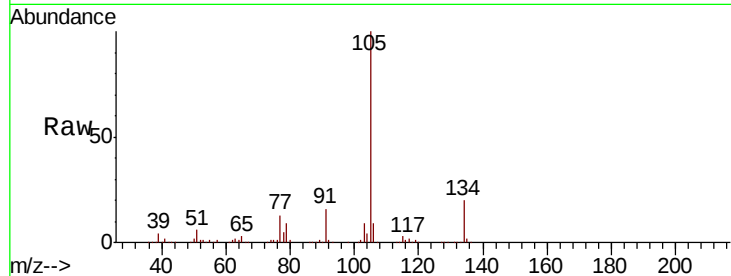
134 20.2 15.6 23.4

Manual Integrations

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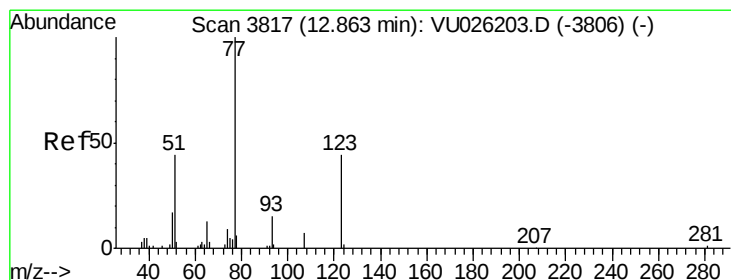
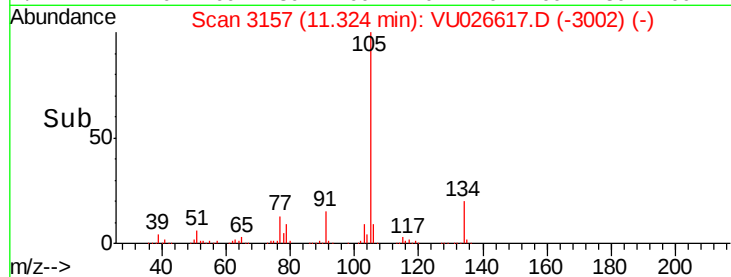
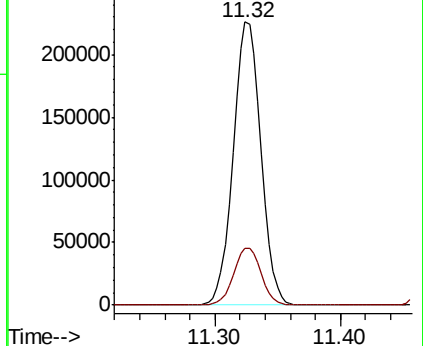
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#80

Nitrobenzene

Concen: 40.41 ug/l

RT: 12.86 min Scan# 3635

Delta R.T. -0.00 min

Lab File: VU026617.D

Acq: 07 Sep 2018 12:22

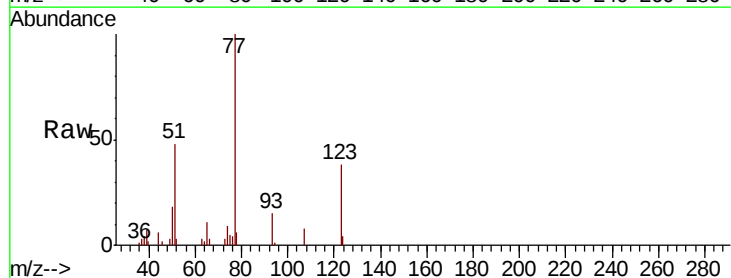
Tgt Ion: 77 Resp: 12898

Ion Ratio Lower Upper

77 100

123 41.4 19.4 68.6

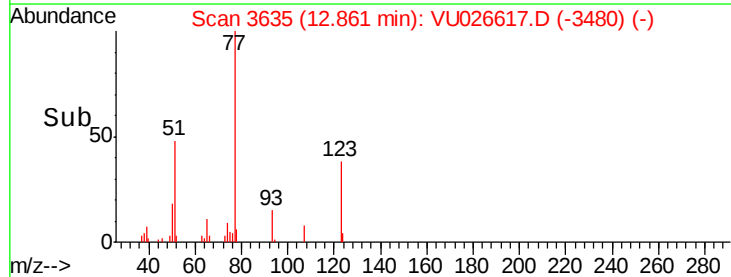
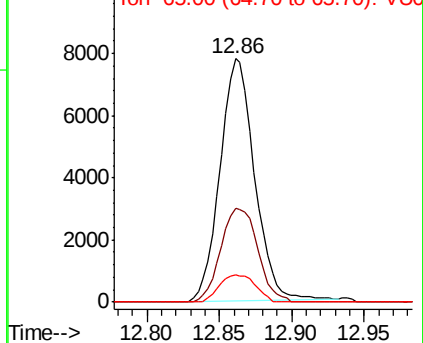
65 11.6 11.2 14.2

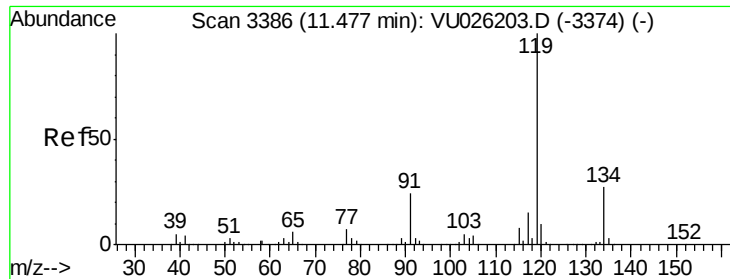


Abundance Ion 77.00 (76.70 to 77.70): VU0

Ion 123.00 (122.70 to 123.70): V

Ion 65.00 (64.70 to 65.70): VU0





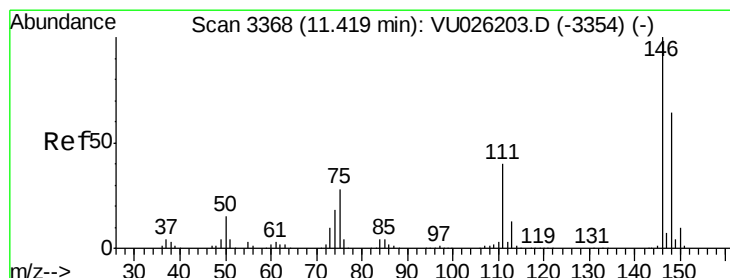
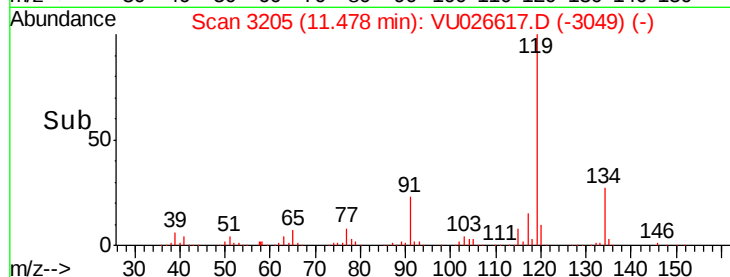
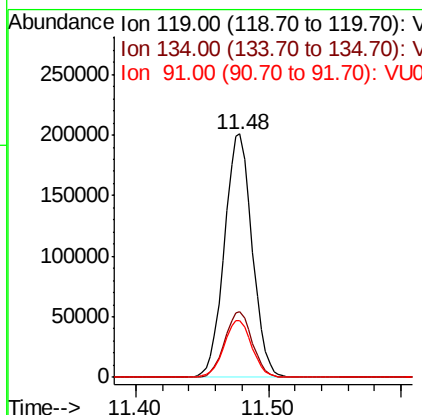
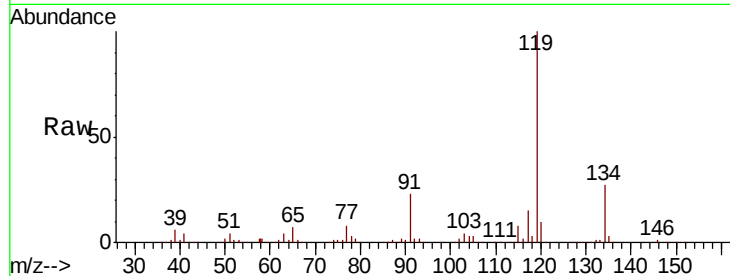
#81
 p-Isopropyltoluene
 Concen: 9.02 ug/l
 RT: 11.48 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

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

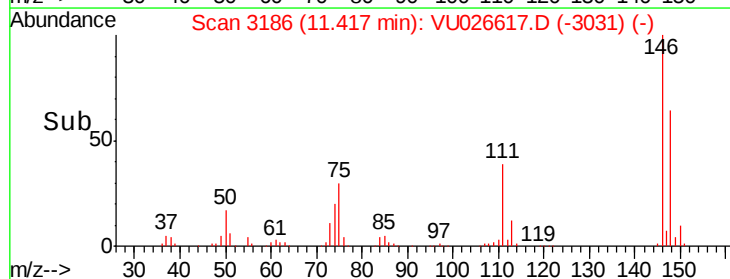
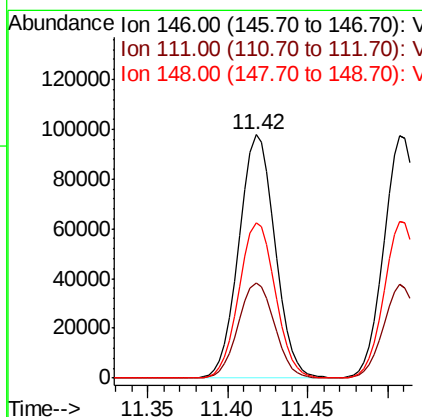
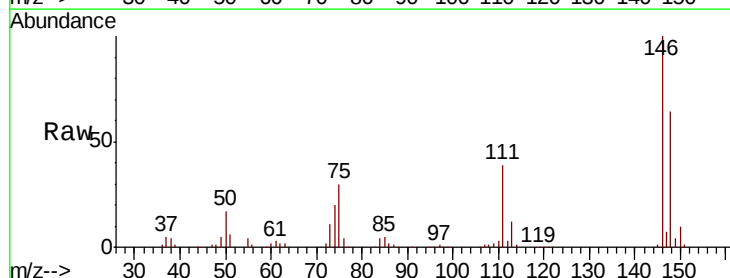
Manual Integrations
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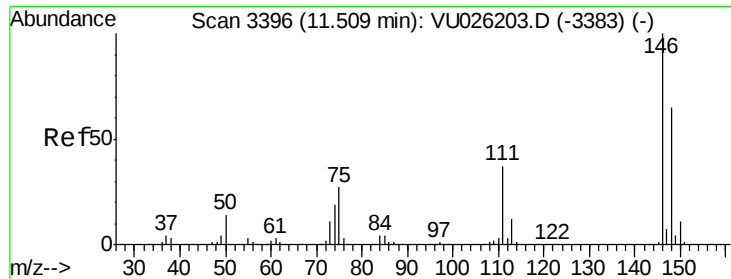
MMDadoda
 9/10/2018 9:52:52 AM



#82
 1,3-Dichlorobenzene
 Concen: 7.74 ug/l
 RT: 11.42 min Scan# 3186
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	31.8	47.6
148	64.4	51.0	76.4





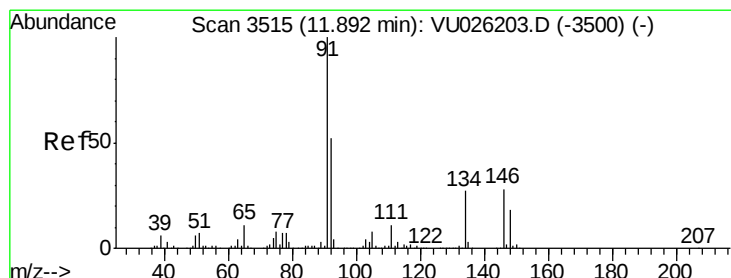
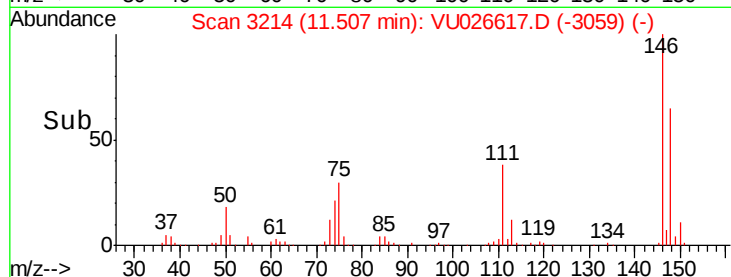
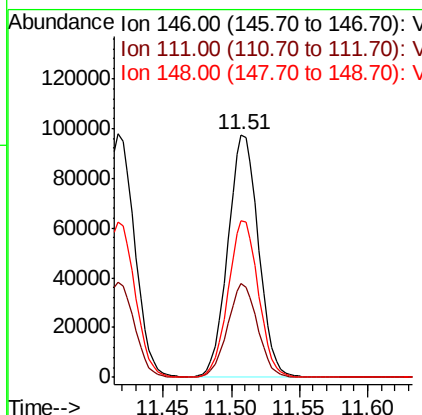
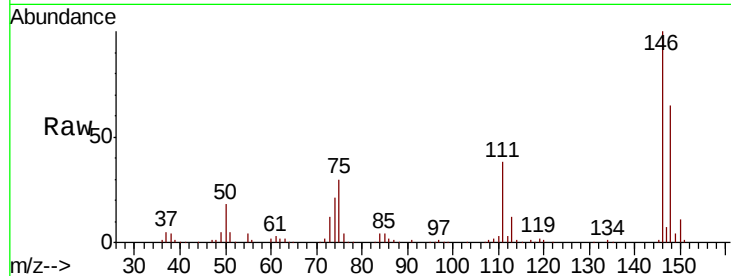
#83
 1,4-Dichlorobenzene
 Concen: 7.83 ug/l
 RT: 11.51 min Scan# 3214
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.1	45.1
148	64.1	50.6	76.0

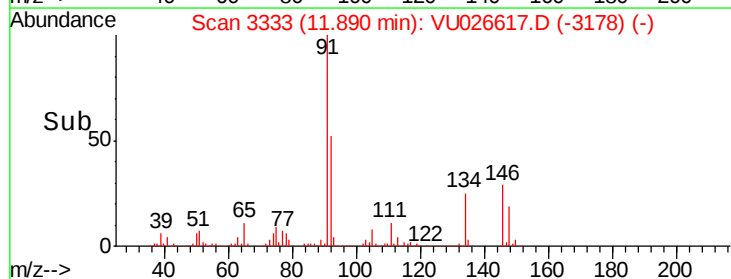
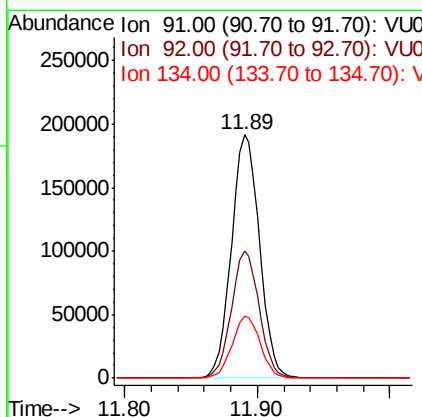
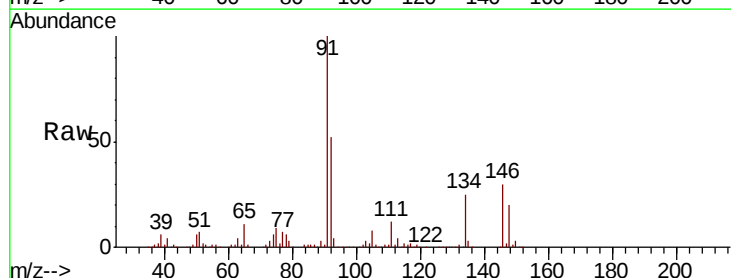
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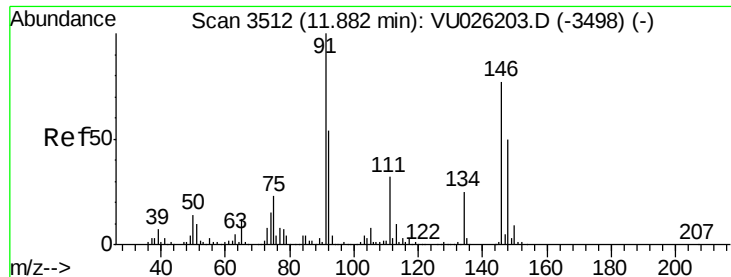
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 9/10/2018 9:52:52 AM



#84
 n-Butylbenzene
 Concen: 8.99 ug/l
 RT: 11.89 min Scan# 3333
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	42.2	63.2
134	25.4	20.3	30.5





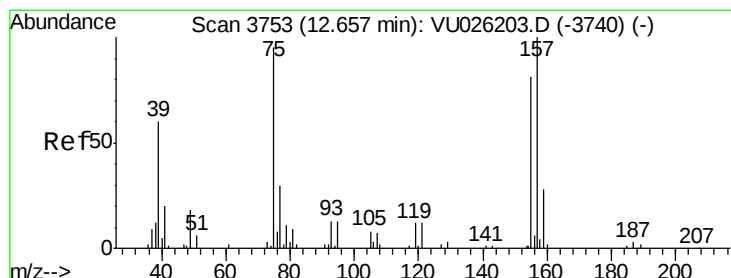
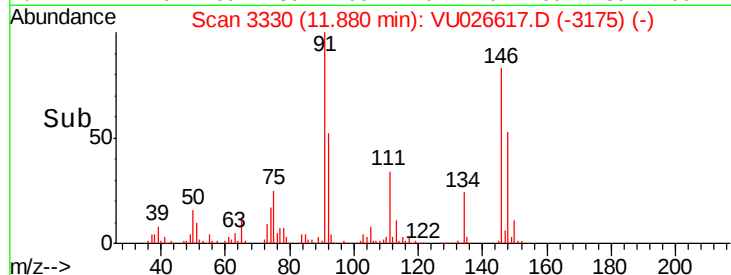
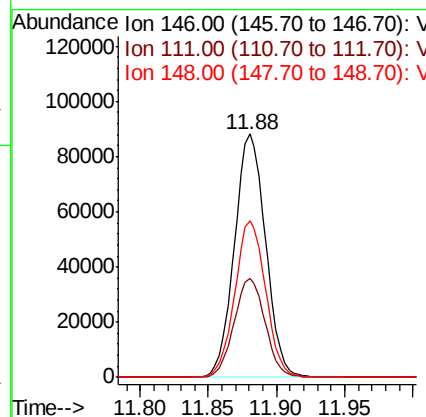
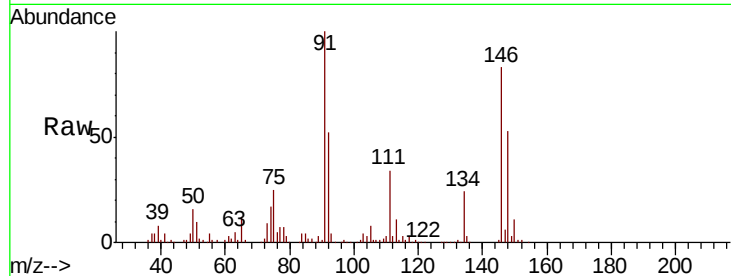
#85
 1,2-Dichlorobenzene
 Concen: 7.85 ug/l
 RT: 11.88 min Scan# 3330
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.7	62.1
148	63.7	31.9	95.5

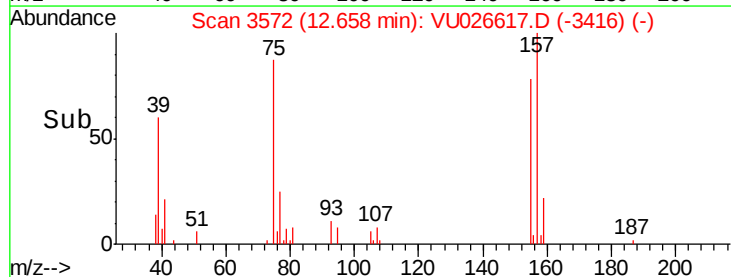
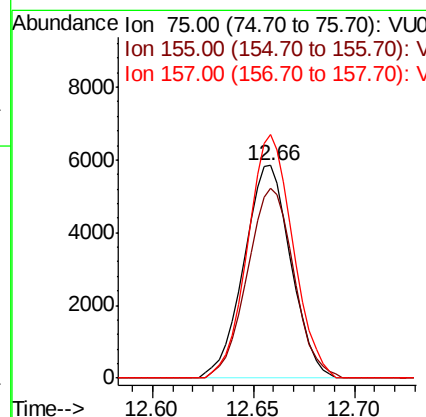
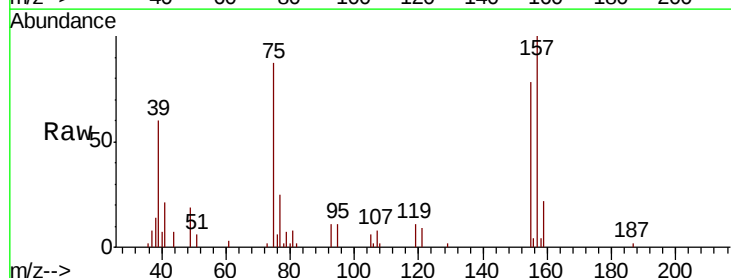
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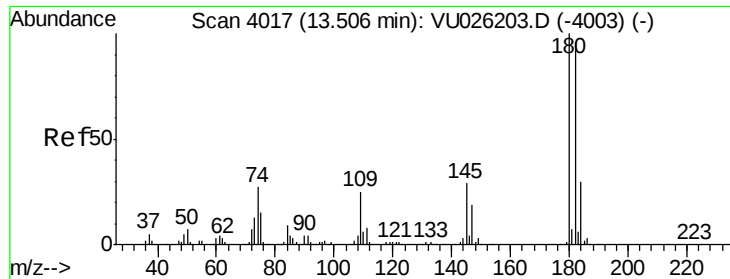
MMDadoda
 9/10/2018 9:52:52 AM



#86
 1,2-Dibromo-3-Chloropropane
 Concen: 7.41 ug/l
 RT: 12.66 min Scan# 3572
 Delta R.T. 0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	65.8	98.6
157	110.3	83.5	125.3





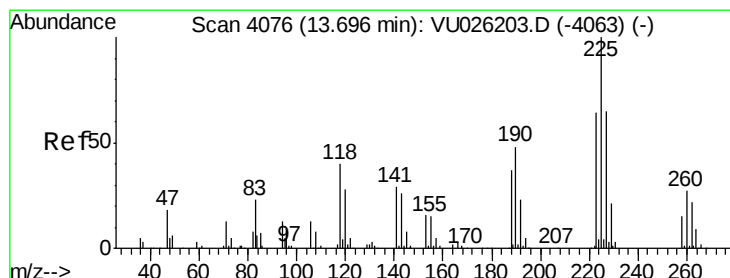
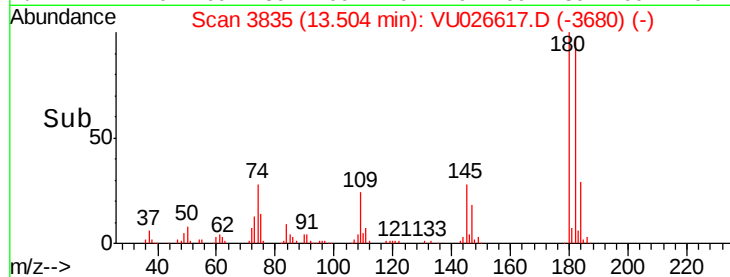
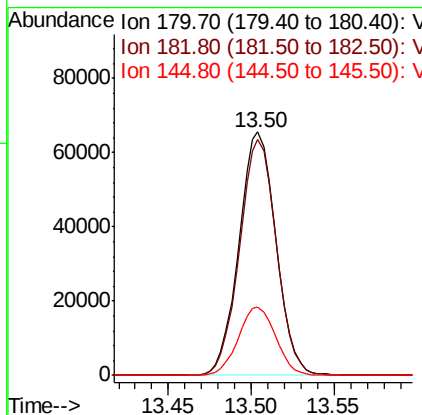
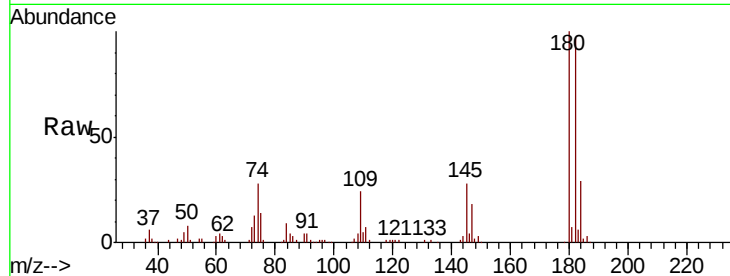
#87
 1,2,4-Trichlorobenzene
 Concen: 8.12 ug/l
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:	180	Resp:	101794
Ion Ratio	Lower	Upper	
180	100		
182	96.2	77.1	115.7
145	28.4	23.3	34.9

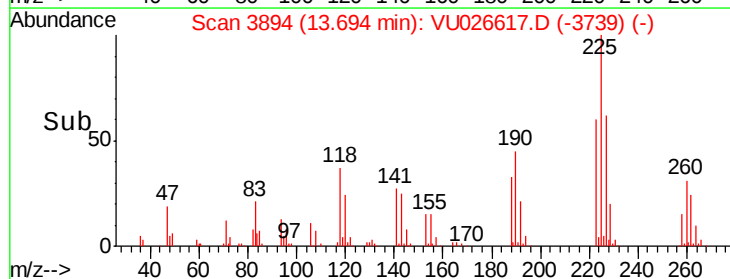
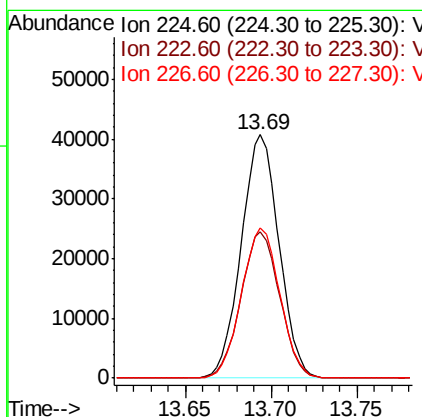
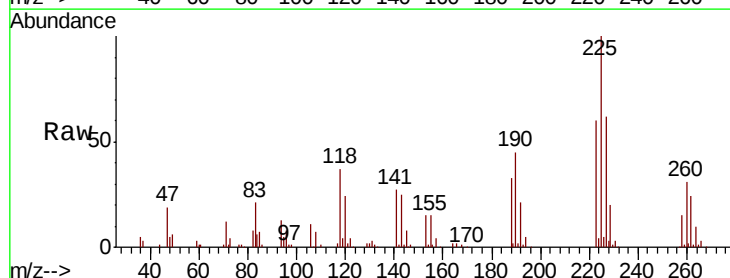
Manual Integrations
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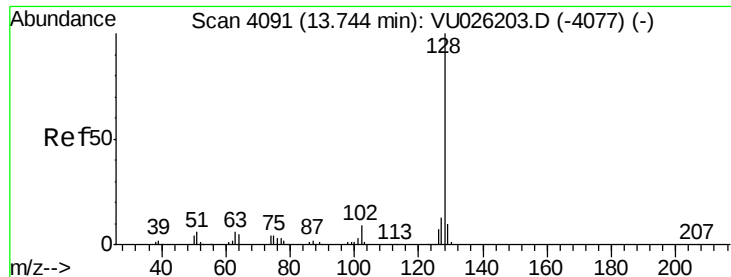
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 9/10/2018 9:52:52 AM



#88
 Hexachlorobutadiene
 Concen: 8.08 ug/l
 RT: 13.69 min Scan# 3894
 Delta R.T. -0.00 min
 Lab File: VU026617.D
 Acq: 07 Sep 2018 12:22

Tgt Ion:	225	Resp:	61964
Ion Ratio	Lower	Upper	
225	100		
223	61.7	50.6	75.8
227	62.7	51.8	77.6





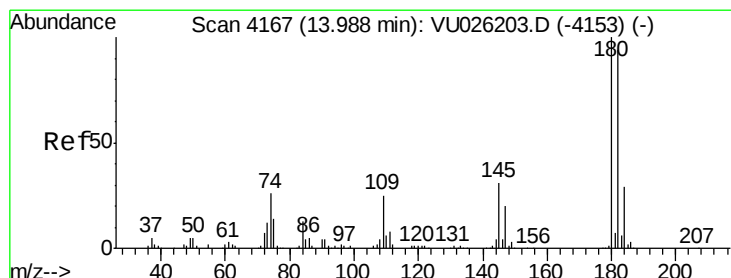
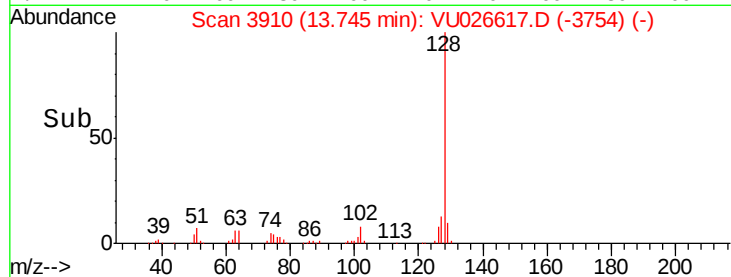
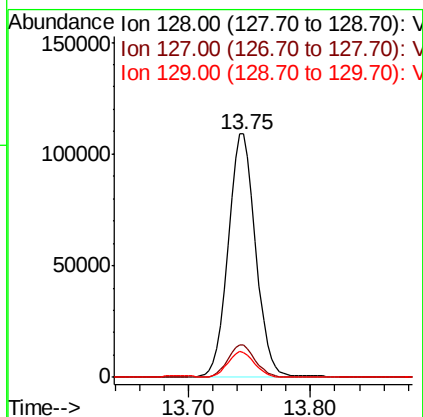
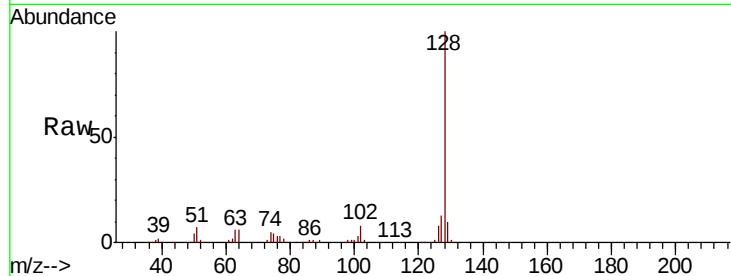
#89
Naphthalene
Concen: 8.69 ug/l
RT: 13.75 min Scan# 3910
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.4	8.7	13.1

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#90
1,2,3-Trichlorobenzene
Concen: 8.25 ug/l
RT: 13.99 min Scan# 3986
Delta R.T. 0.00 min
Lab File: VU026617.D
Acq: 07 Sep 2018 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.8	115.2
145	30.1	24.6	36.8

