

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU022619\
 Data File : VU029671.D
 Acq On : 26 Feb 2019 09:53
 Operator : JC/SP
 Sample : VSTDCCC010
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleID :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 3/5/2019 9:31:39 AM

Quant Time: Feb 27 00:27:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA U\METHOD\524U020519DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Feb 08 10:52:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
1) Fluorobenzene	5.74	96	62071	1.00	ug/l	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.30	95	28285	1.17	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.00%	
68) 1,2-Dichlorobenzene-d4	11.85	152	29003	1.17	ug/l	0.00
Spiked Amount 1.000			Recovery	=	117.00%	
Target Compounds						
					Ovalue	
2) Dichlorodifluoromethane	1.21	85	220956	9.539	ug/l	100
3) Chloromethane	1.33	50	174119	8.226	ug/l	99
4) Vinyl Chloride	1.40	62	220245	8.875	ug/l	97
5) Bromomethane	1.62	94	119812	8.680	ug/l	95
6) Chloroethane	1.69	64	134003	9.243	ug/l	99
7) Trichlorofluoromethane	1.88	101	315089	9.093	ug/l	97
8) 1,1,2-Trichloro-1,2,2-trif	2.29	101	182861	9.994	ug/l	89
9) 1,1-Dichloroethene	2.28	96	176369	9.849	ug/l	65
10) Iodomethane	2.41	142	142253	5.449	ug/l #	75
11) Allyl Chloride	2.59	41	242612	8.080	ug/l #	81
12) Acrylonitrile	2.93	53	75889	18.909	ug/l	98
13) Acetone	2.32	43	169923	43.932	ug/l #	77
14) Carbon Disulfide	2.47	76	577594	9.136	ug/l	100
15) Methylene Chloride	2.70	84	199421	9.185	ug/l #	73
16) trans-1,2-Dichloroethene	2.98	96	198322	9.904	ug/l #	74
17) 1,1-Dichloroethane	3.44	63	339454	10.698	ug/l	96
18) 2-Butanone	4.27	43	234090	54.151	ug/l	99
19) Cyclohexane	4.98	56	228435	7.764	ug/l	84
20) Methylcyclohexane	6.41	83	318725	10.314	ug/l #	85
21) 2,2-Dichloropropane	4.22	77	274411	9.343	ug/l #	90
22) cis-1,2-Dichloroethene	4.22	96	206620	10.954	ug/l	76
23) Diethyl Ether	2.10	59	133236	9.266	ug/l	87
24) tert-Butyl Alcohol	2.83	59	136945	91.645	ug/l	98
25) Methyl tert-Butyl Ether	3.00	73	455576	9.036	ug/l #	80
26) Bromochloromethane	4.54	128	91428	10.973	ug/l	71
27) Chloroform	4.67	83	324049	10.501	ug/l	98
28) 1,1,1-Trichloroethane	4.91	97	284157	9.935	ug/l	95
29) 1,1-Dichloropropene	5.13	75	249317	10.041	ug/l	91
30) Carbon Tetrachloride	5.13	117	254441	9.826	ug/l	98
31) Isopropyl Ether	3.57	45	444560	9.285	ug/l	91
32) Ethyl-t-butyl ether	4.07	59	454543	9.473	ug/l	89
33) Tert-Amyl methyl ether	5.58	73	433313	9.988	ug/l	99
34) Propionitrile	4.33	54	64854	57.075	ug/l #	91
35) Benzene	5.38	78	730792	10.643	ug/l	97
36) 1,2-Dichloroethane	5.40	62	203273	9.788	ug/l #	88
37) Trichloroethene	6.18	130	216919	11.009	ug/l	88
38) 1,2-Dichloropropane	6.43	63	187058	10.472	ug/l	100
39) Methacrylonitrile	4.54	41	55436	9.527	ug/l #	86
40) Methyl acrylate	4.42	55	89658	10.207	ug/l #	91
41) Tetrahydrofuran	4.64	42	55005	18.765	ug/l #	79
42) 1-Chlorobutane	5.06	56	325415	9.782	ug/l	84

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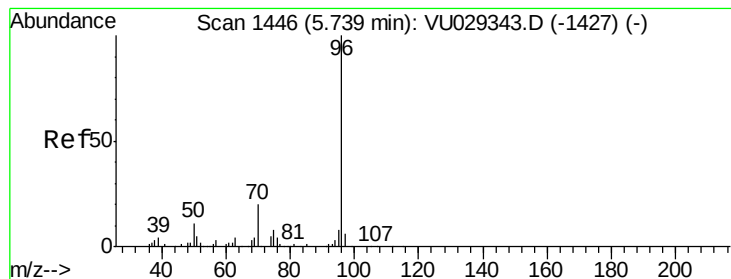
Manual Integrations
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MMDadoda
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 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Dibromomethane	6.56	93	100667	10.576	ug/l	90
44) Bromodichloromethane	6.75	83	238727	9.843	ug/l	96
45) 4-Methyl-2-Pentanone	7.46	43	544833	48.827	ug/l #	88
46) t-1,4-Dichloro-2-butene	10.51	75	97372m	17.911	ug/l	
47) Methyl methacrylate	6.62	69	180273	21.525	ug/l #	69
48) Ethyl methacrylate	8.02	69	183319	10.203	ug/l	77
49) Toluene	7.63	92	478145	10.882	ug/l	98
50) t-1,3-Dichloropropene	7.88	75	228336	9.604	ug/l	96
51) cis-1,3-Dichloropropene	7.27	75	278869	9.874	ug/l #	83
52) 1,1,2-Trichloroethane	8.06	97	142038	11.271	ug/l	98
53) 1,3-Dichloropropane	8.24	76	236902	10.701	ug/l	100
54) 2-Hexanone	8.36	43	391657	50.074	ug/l	84
55) Dibromochloromethane	8.47	129	183042	10.219	ug/l	100
56) 1,2-Dibromoethane	8.58	107	137373	10.625	ug/l	100
58) Tetrachloroethene	8.22	164	209515	11.427	ug/l	92
59) Chlorobenzene	9.12	112	541949	10.949	ug/l	99
60) 1,1,1,2-Tetrachloroethane	9.21	131	191564	10.474	ug/l	96
61) Pentachloroethane	11.10	117	142604	10.060	ug/l	89
62) Hexachloroethane	12.14	117	155897	10.076	ug/l	97
63) Ethyl Benzene	9.24	91	919510	10.697	ug/l	96
64) m/p-Xylenes	9.37	106	732916	21.940	ug/l	87
65) o-Xylene	9.77	106	354841	10.822	ug/l	86
66) Styrene	9.79	104	603716	11.045	ug/l	92
67) Bromoform	9.95	173	110396	9.907	ug/l	100
69) Isopropylbenzene	10.16	105	943131	10.766	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.45	83	181749	11.253	ug/l	98
71) 1,2,3-Trichloropropane	10.49	75	129625m	11.687	ug/l	
72) Bromobenzene	10.45	156	243061	11.447	ug/l	84
73) n-propylbenzene	10.58	120	272724	11.177	ug/l	81
74) 2-Chlorotoluene	10.66	126	230820	11.109	ug/l	79
75) 1,3,5-Trimethylbenzene	10.77	105	805456	10.664	ug/l	95
76) 4-Chlorotoluene	10.77	126	241290	11.189	ug/l	78
77) tert-Butylbenzene	11.10	119	801828	10.740	ug/l	91
78) 1,2,4-Trimethylbenzene	11.14	105	827955	10.828	ug/l	95
79) sec-Butylbenzene	11.32	105	1064690	10.900	ug/l	95
80) Nitrobenzene	12.86	77	20972	29.144	ug/l #	93
81) p-Isopropyltoluene	11.47	119	910331	10.994	ug/l	93
82) 1,3-Dichlorobenzene	11.41	146	475122	11.405	ug/l	96
83) 1,4-Dichlorobenzene	11.50	146	475497	11.460	ug/l	96
84) n-Butylbenzene	11.89	91	834639	10.984	ug/l	96
85) 1,2-Dichlorobenzene	11.88	146	445811	11.318	ug/l	97
86) 1,2-Dibromo-3-Chloropropan	12.65	75	26877	8.916	ug/l #	54
87) 1,2,4-Trichlorobenzene	13.50	180	313612	11.335	ug/l	98
88) Hexachlorobutadiene	13.69	225	186440	11.636	ug/l	99
89) Naphthalene	13.74	128	538792	11.483	ug/l	99
90) 1,2,3-Trichlorobenzene	13.98	180	287409	11.367	ug/l	98

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



#1

Fluorobenzene

Concen: 1.000 ug/l

RT: 5.74 min Scan# 1446

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

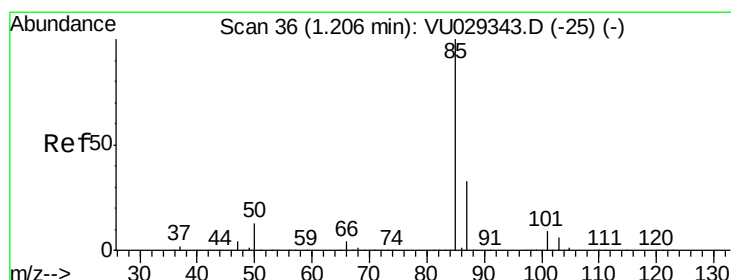
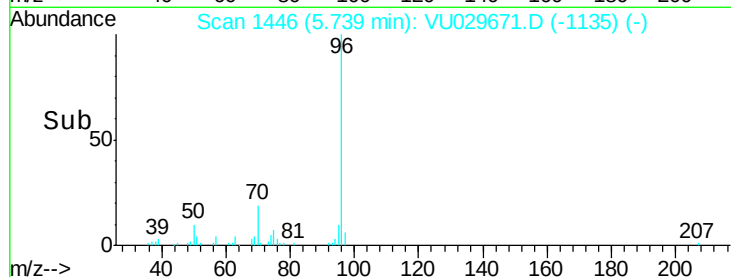
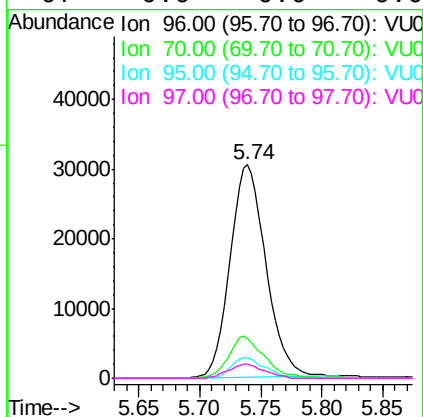
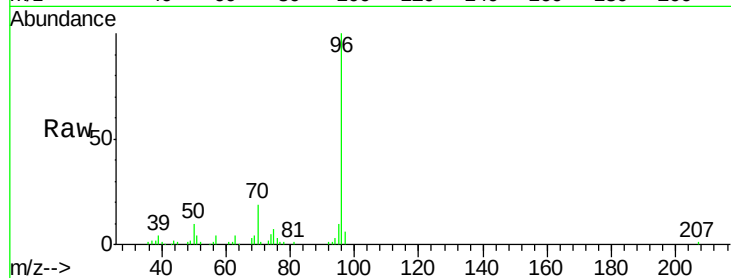
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	62071
Ion	Ratio	Lower	Upper
96	100		
70	19.6	16.2	24.2
95	9.1	7.4	11.2
97	0.0	0.0	0.0

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#2

Dichlorodifluoromethane

Concen: 9.539 ug/l

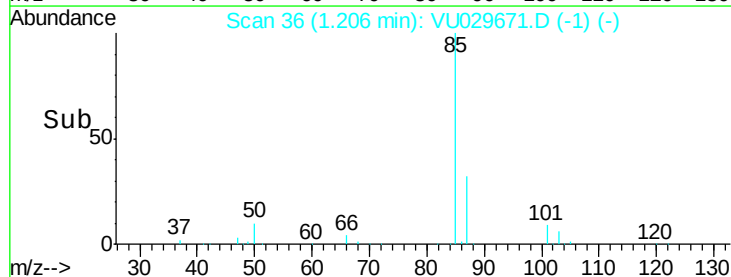
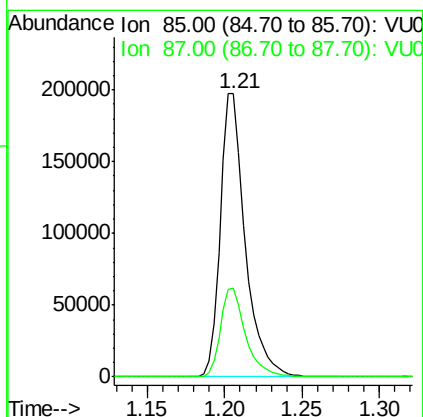
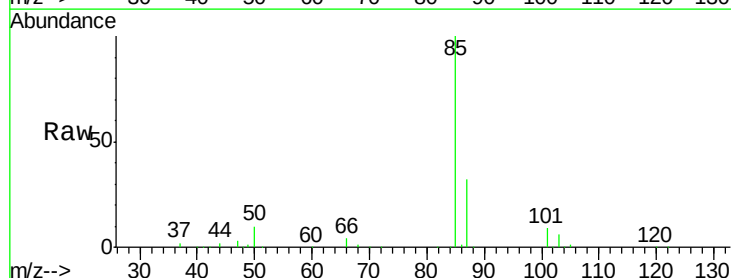
RT: 1.21 min Scan# 36

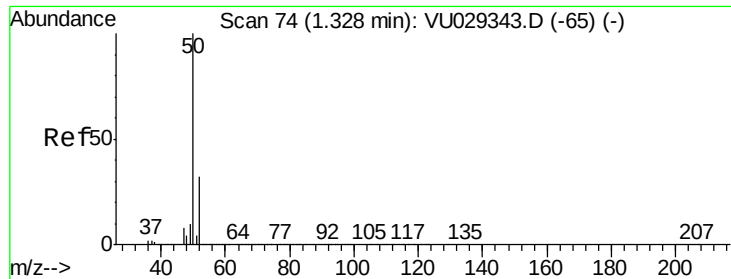
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	85	Resp:	220956
Ion	Ratio	Lower	Upper
85	100		
87	31.5	15.9	47.6





#3

Chloromethane

Concen: 8.226 ug/l

RT: 1.33 min Scan# 74

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 50 Resp: 174119

Ion Ratio Lower Upper

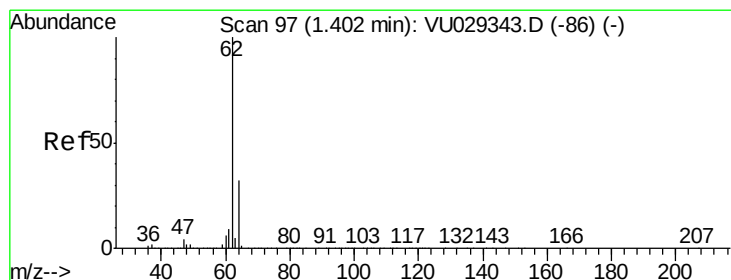
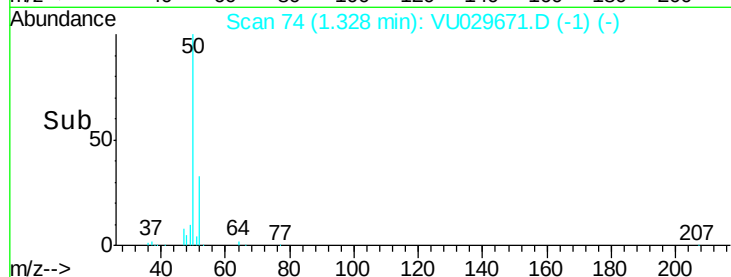
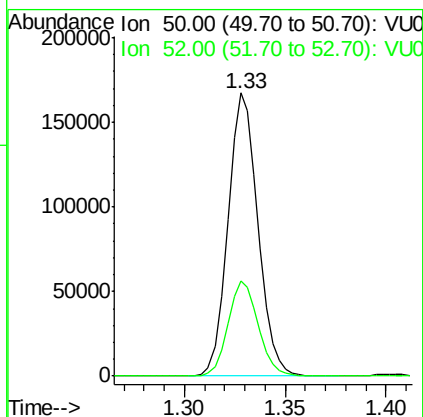
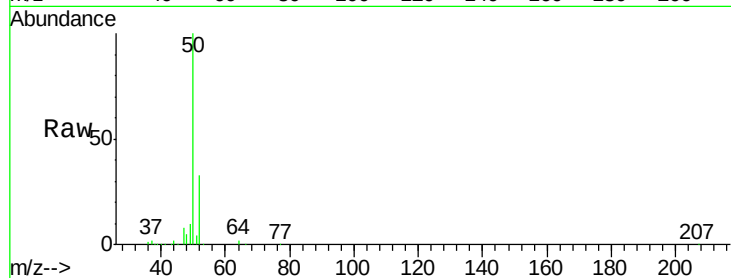
50 100

52 33.5 27.3 40.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 8.875 ug/l

RT: 1.40 min Scan# 97

Delta R.T. -0.00 min

Lab File: VU029671.D

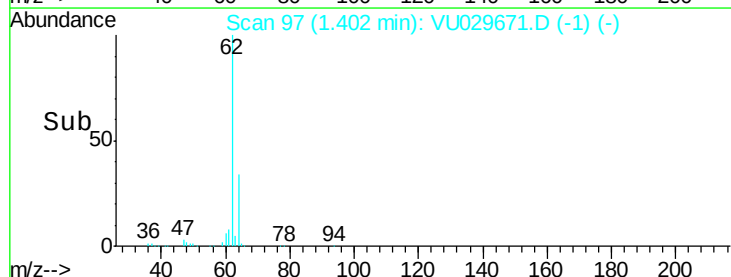
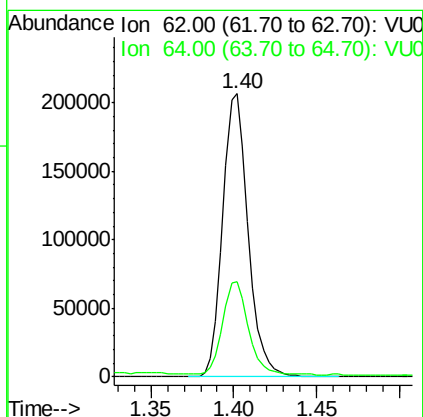
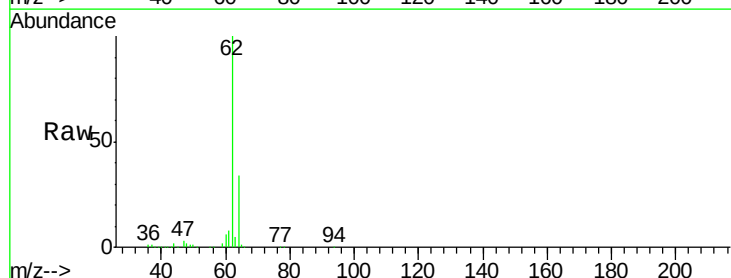
Acq: 26 Feb 2019 09:53

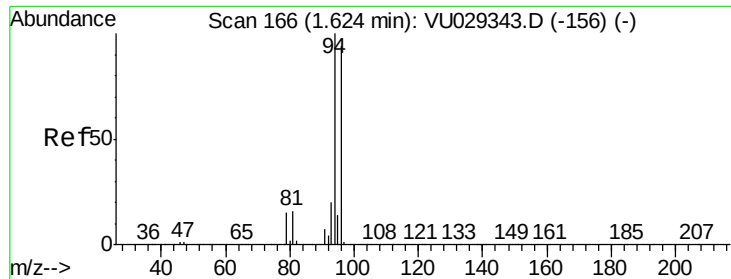
Tgt Ion: 62 Resp: 220245

Ion Ratio Lower Upper

62 100

64 32.9 25.2 37.8





#5

Bromomethane

Concen: 8.680 ug/l

RT: 1.62 min Scan# 165

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion: 94 Resp: 119812

Ion Ratio Lower Upper

94 100

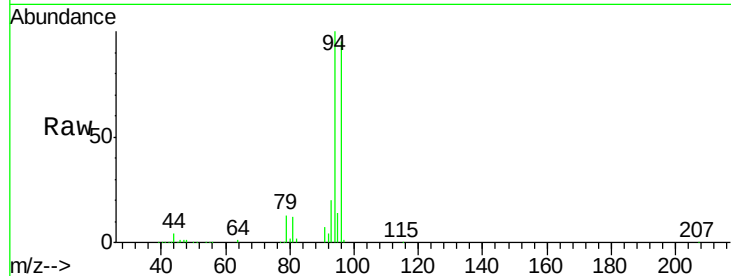
96 94.8 71.7 107.5

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.62

100000

80000

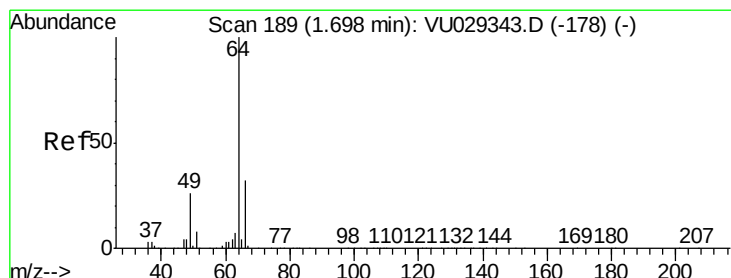
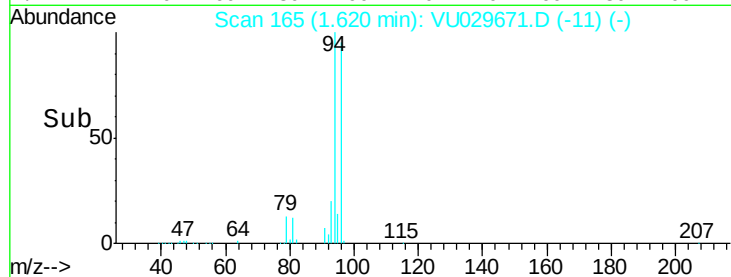
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 9.243 ug/l

RT: 1.69 min Scan# 188

Delta R.T. -0.00 min

Lab File: VU029671.D

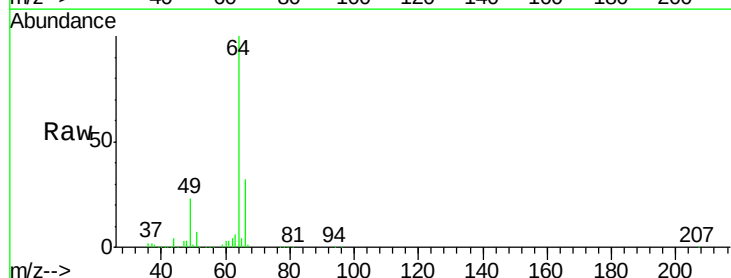
Acq: 26 Feb 2019 09:53

Tgt Ion: 64 Resp: 134003

Ion Ratio Lower Upper

64 100

66 32.4 26.3 39.5



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0

1.69

120000

100000

80000

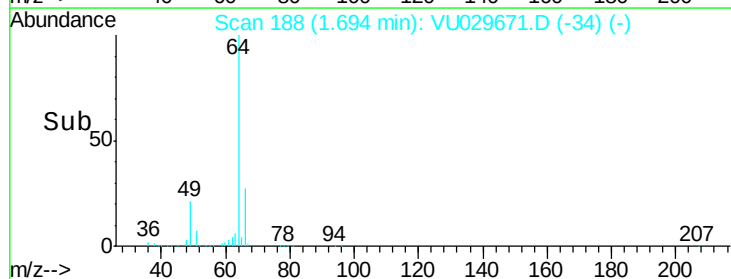
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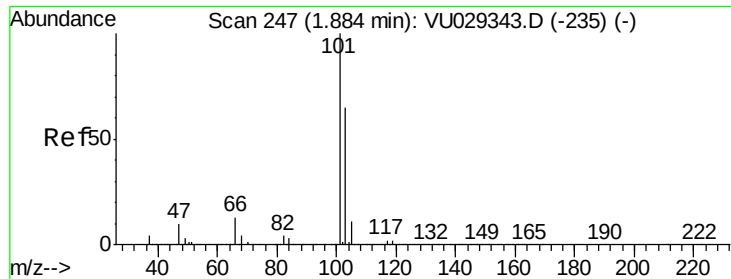
40000

20000

0

Time-->





#7

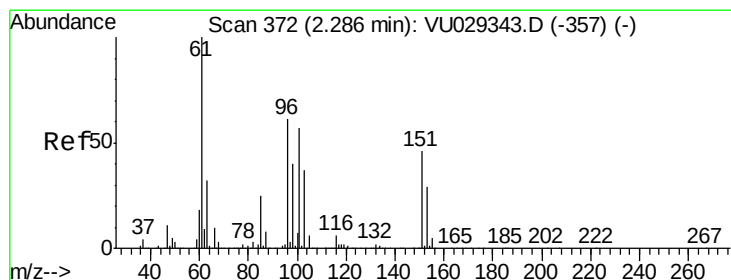
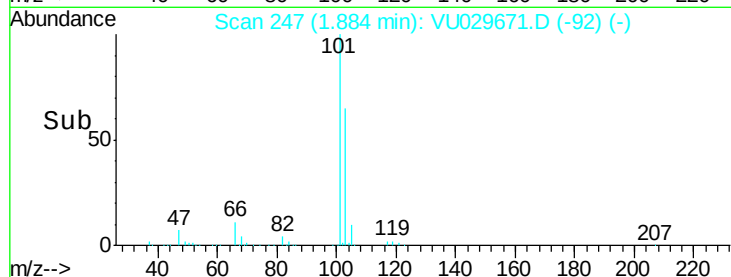
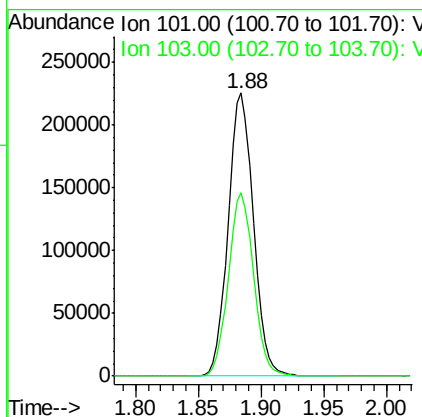
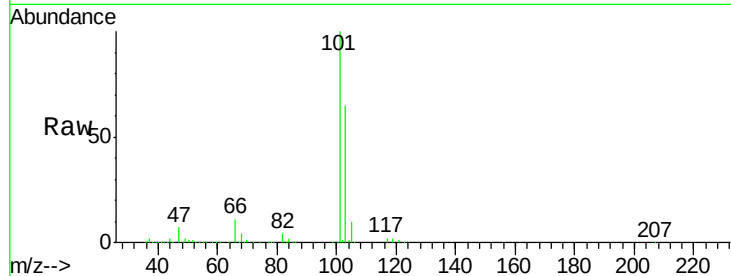
Trichlorofluoromethane
 Concen: 9.093 ug/l
 RT: 1.88 min Scan# 247
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	53.9	80.9

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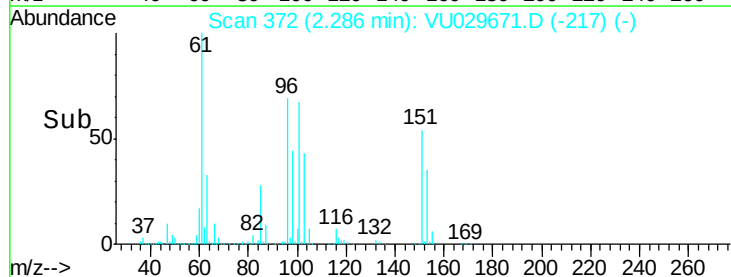
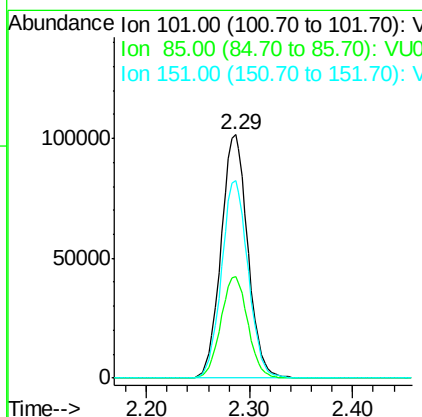
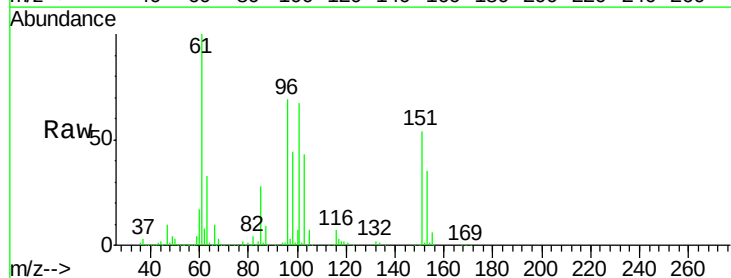
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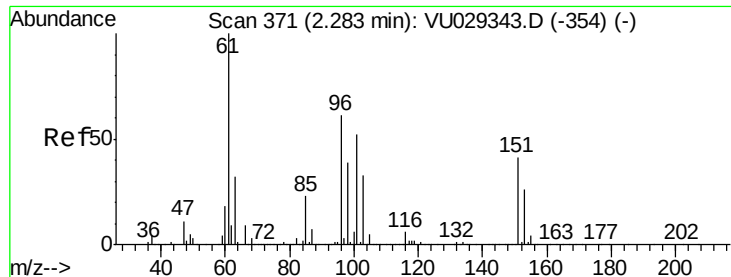


#8

1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 9.994 ug/l
 RT: 2.29 min Scan# 372
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
101	100		
85	42.1	40.3	60.5
151	80.7	58.1	87.1





#9

1,1-Dichloroethene

Concen: 9.849 ug/l

RT: 2.28 min Scan# 371

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

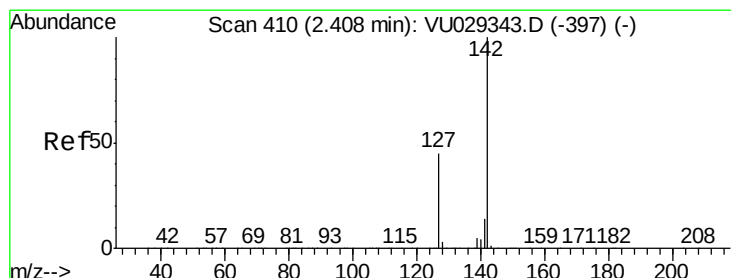
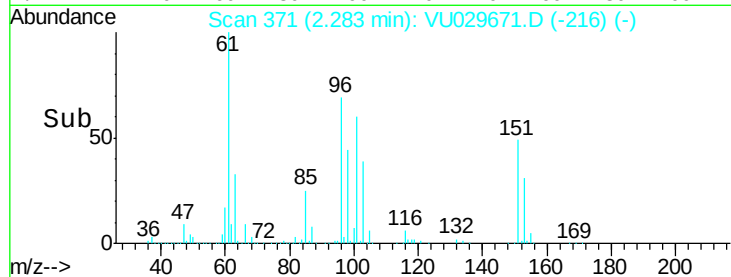
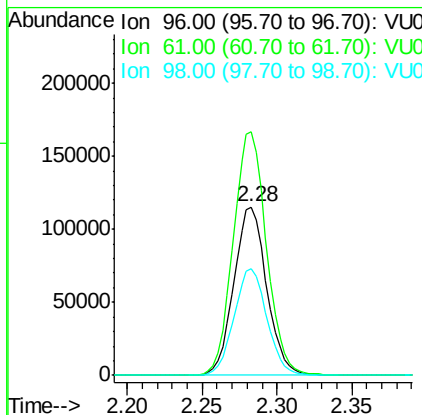
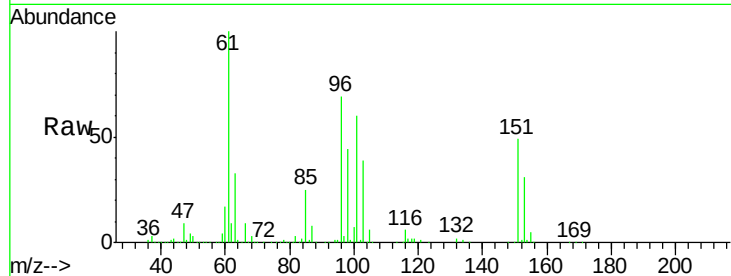
ClientSampleId :

VSTDCCC010

Tot Ion:	96	Resp:	176369
Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	641.4
98	63.2	0.0	122.6

Manual Integrations
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MMDadoda
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#10

Iodomethane

Concen: 5.449 ug/l

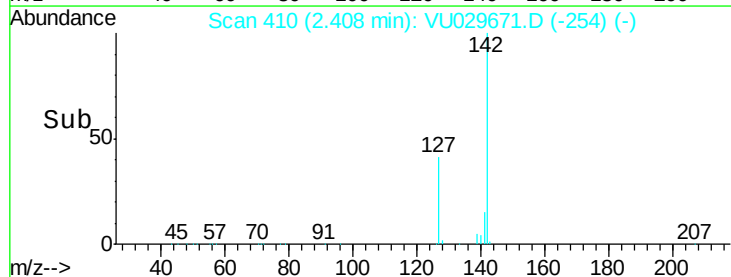
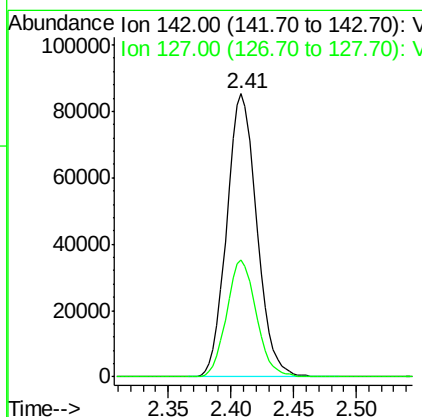
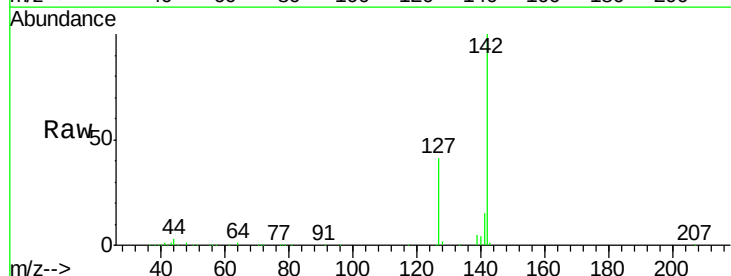
RT: 2.41 min Scan# 410

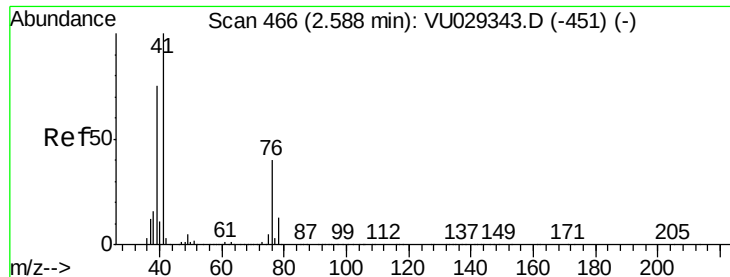
Delta R.T. 0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	142	Resp:	142253
Ion	Ratio	Lower	Upper
142	100		
127	40.7	47.6	71.4#





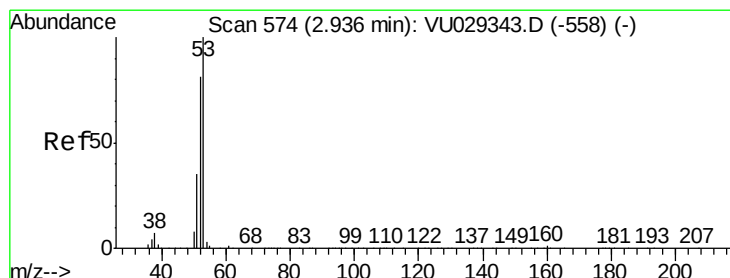
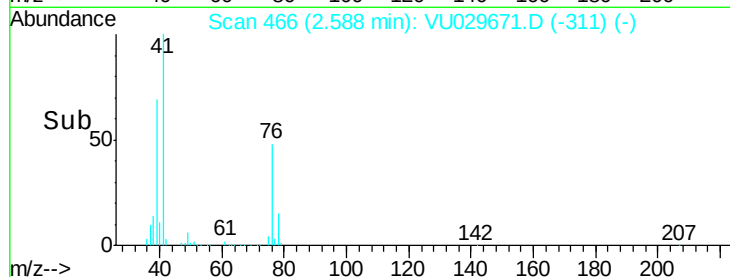
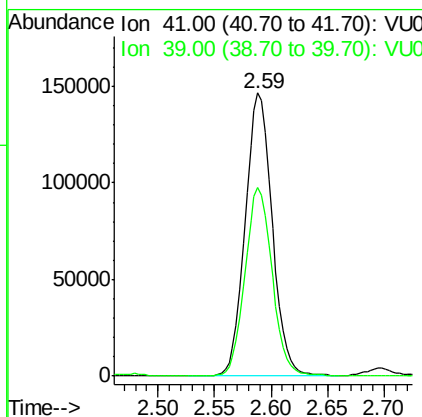
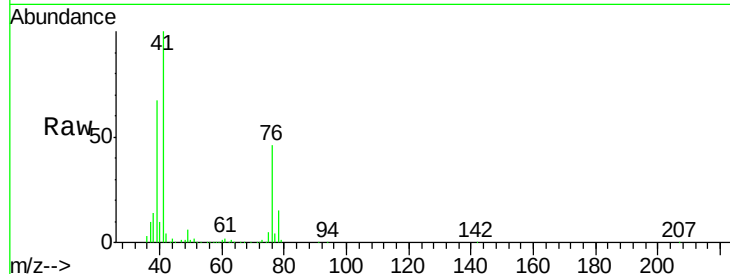
#11
Allvl Chloride
Concen: 8.080 ug/l
RT: 2.59 min Scan# 466
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.6	67.2	100.8#

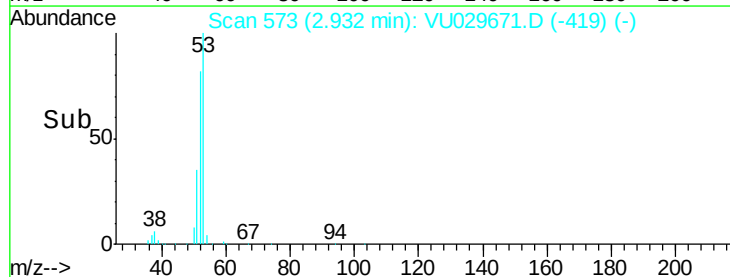
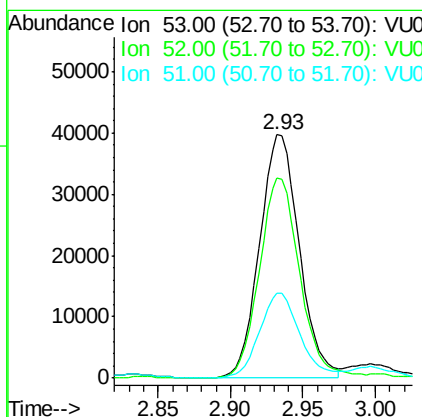
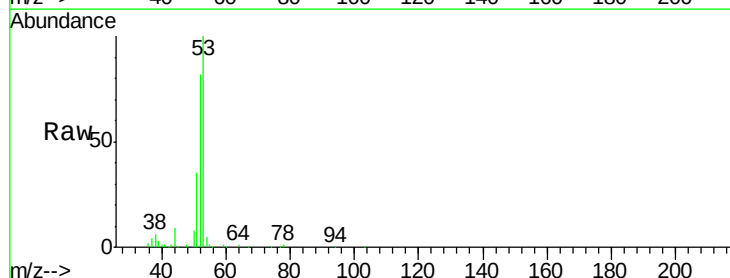
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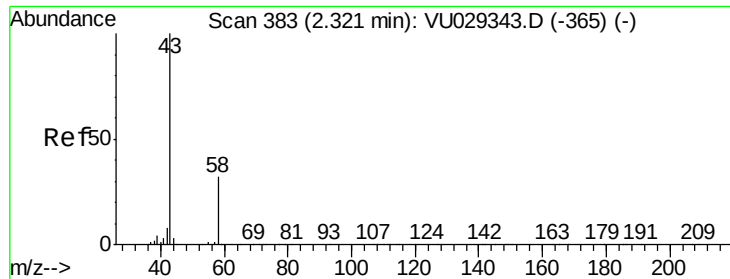
MMDadoda
3/5/2019 9:31:39 AM



#12
Acrylonitrile
Concen: 18.909 ug/l
RT: 2.93 min Scan# 573
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.6	101.4
51	35.9	31.0	46.4





#13

Acetone

Concen: 43.932 ug/l

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 169923

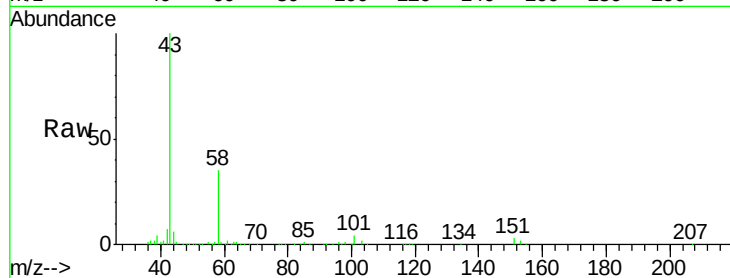
Ion Ratio Lower Upper

43 100

58 35.5 19.2 28.8#

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Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

120000

100000

80000

60000

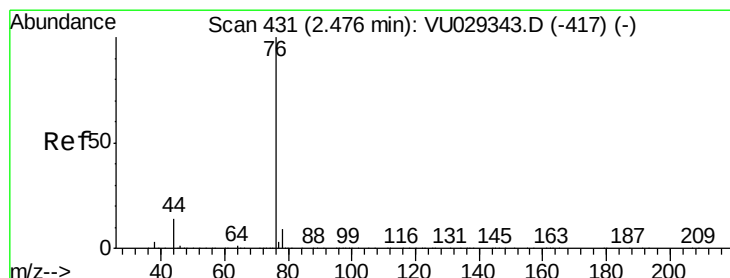
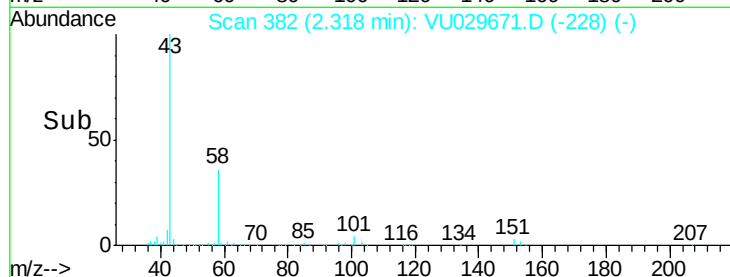
40000

20000

0

Time-->

2.20 2.30 2.40



#14

Carbon Disulfide

Concen: 9.136 ug/l

RT: 2.47 min Scan# 430

Delta R.T. -0.00 min

Lab File: VU029671.D

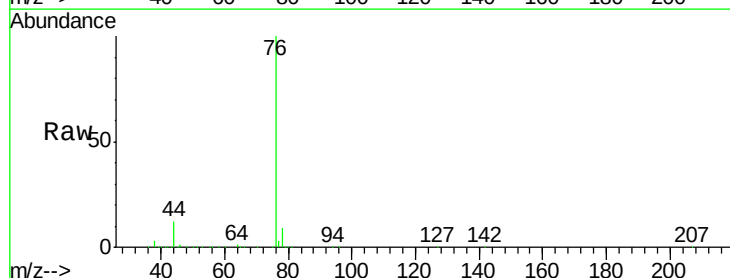
Acq: 26 Feb 2019 09:53

Tgt Ion: 76 Resp: 577594

Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.47

400000

300000

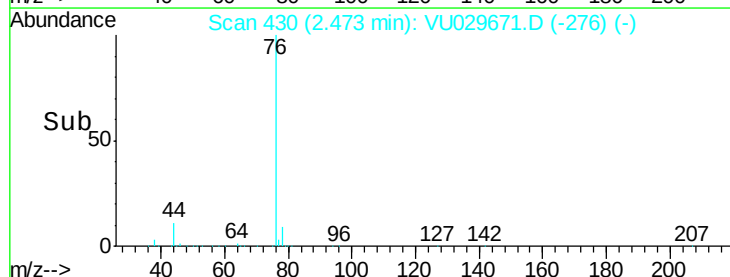
200000

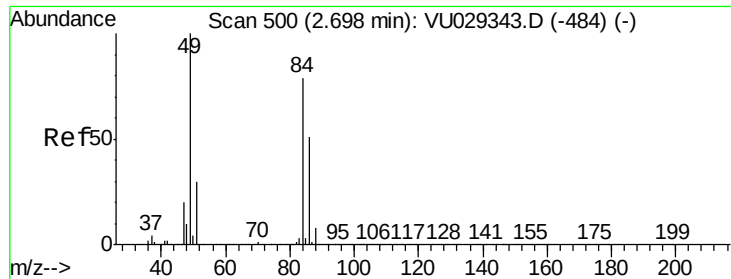
100000

0

Time-->

2.40 2.45 2.50 2.55





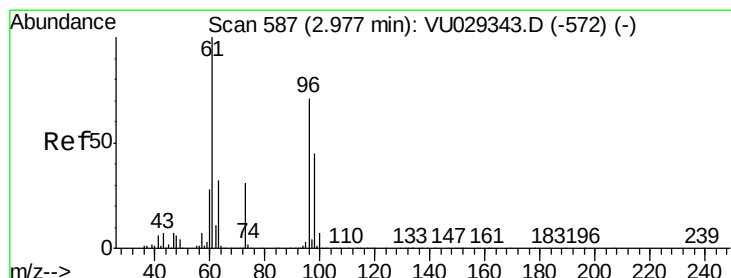
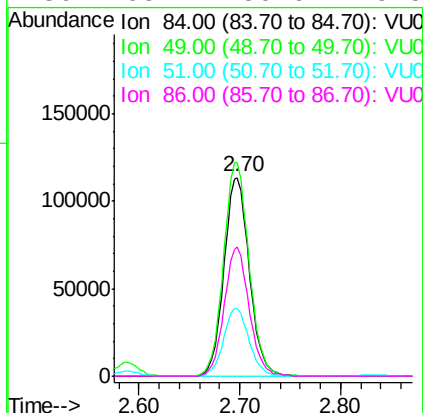
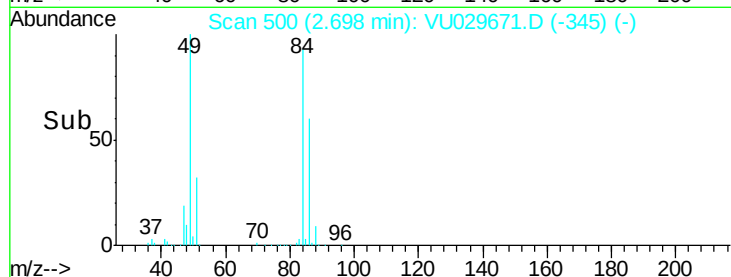
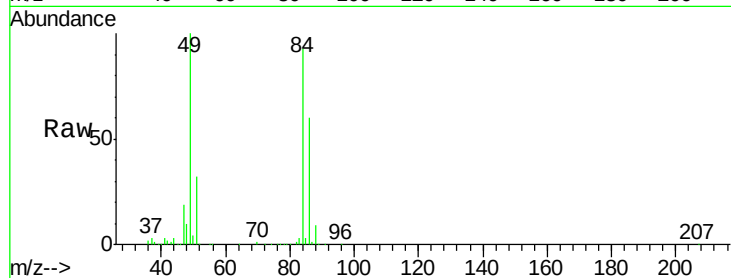
#15
Methylene Chloride
Concen: 9.185 ug/l
RT: 2.70 min Scan# 500
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
84	100		
49	107.6	127.0	190.6#
51	34.1	0.0	93.4
86	65.1	50.6	75.8

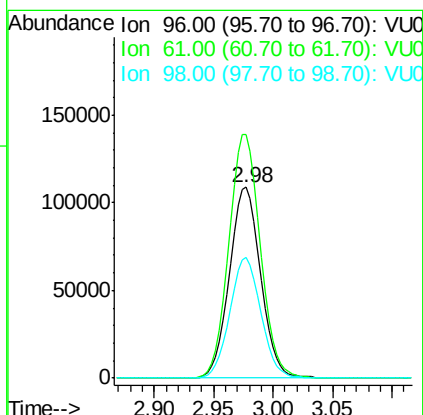
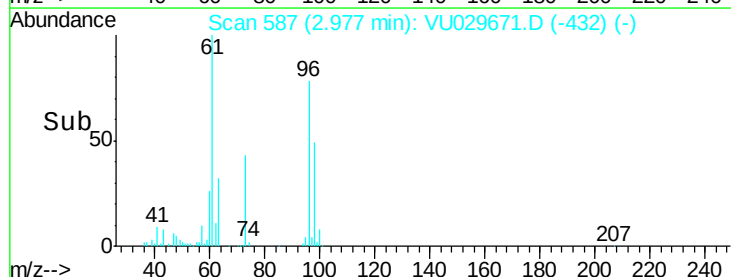
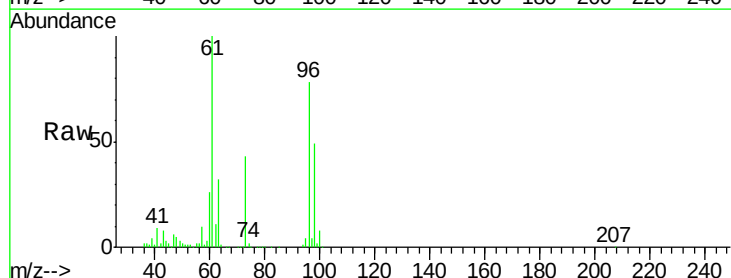
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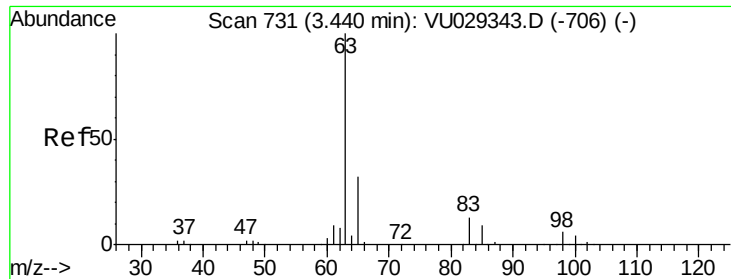
MMDadoda
3/5/2019 9:31:39 AM



#16
trans-1,2-Dichloroethene
Concen: 9.904 ug/l
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.7	140.6	210.8#
98	63.0	49.3	73.9





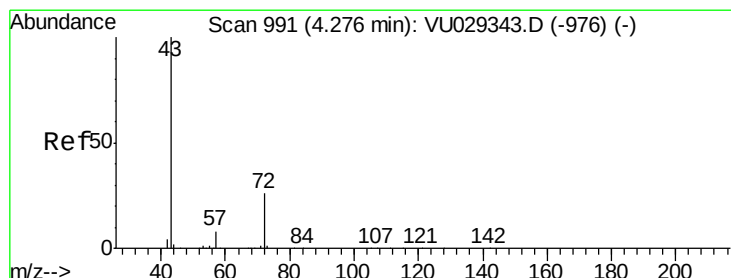
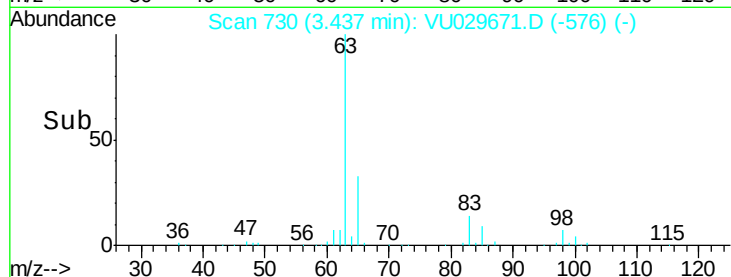
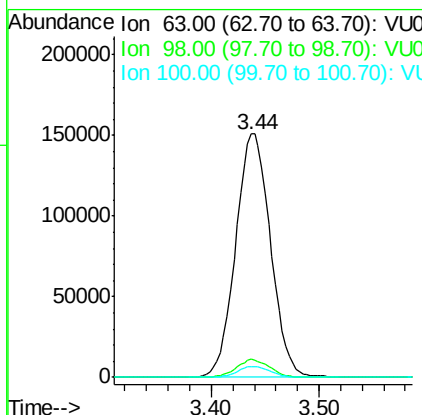
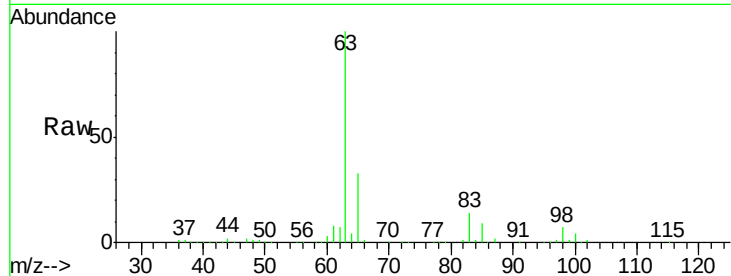
#17
 1,1-Dichloroethane
 Concen: 10.698 ug/l
 RT: 3.44 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
98	7.4	2.9	8.8
100	4.5	1.7	5.1

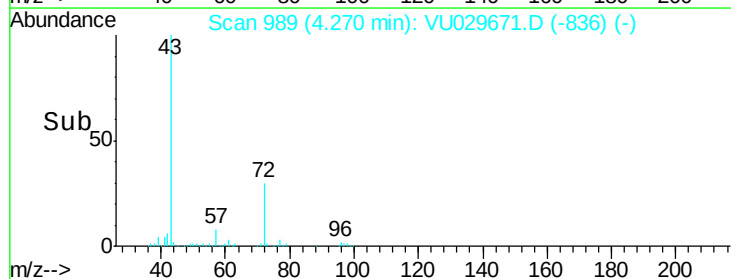
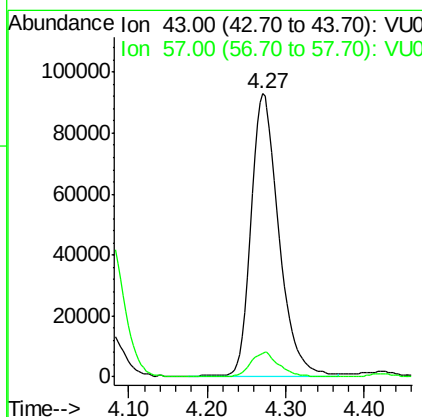
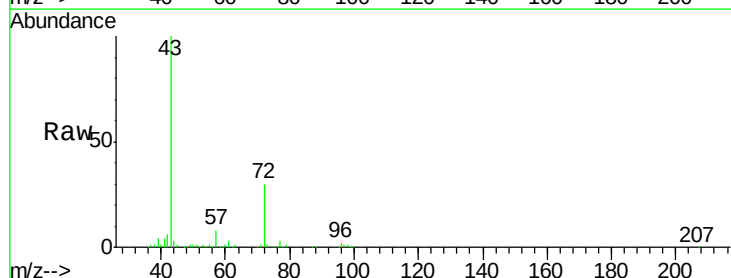
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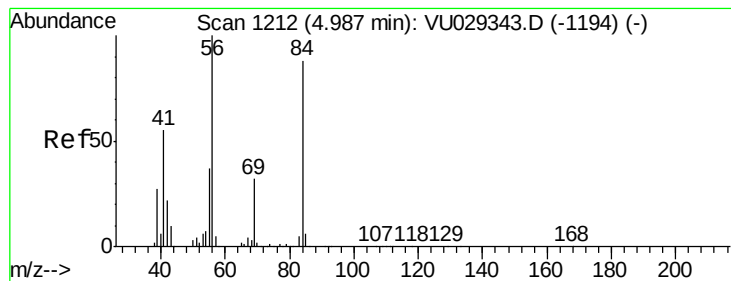
MMDadoda
 3/5/2019 9:31:39 AM



#18
 2-Butanone
 Concen: 54.151 ug/l
 RT: 4.27 min Scan# 989
 Delta R.T. -0.01 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	0.0	15.8





#19

Cyclohexane

Concen: 7.764 ug/l

RT: 4.98 min Scan# 1211

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

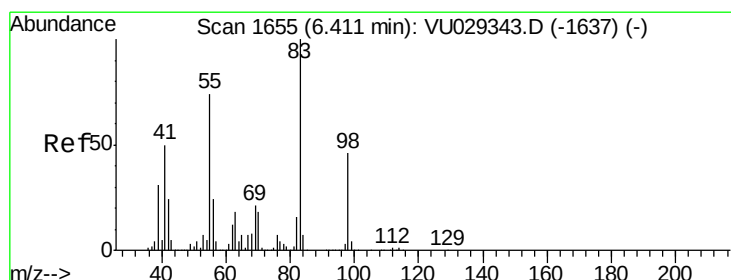
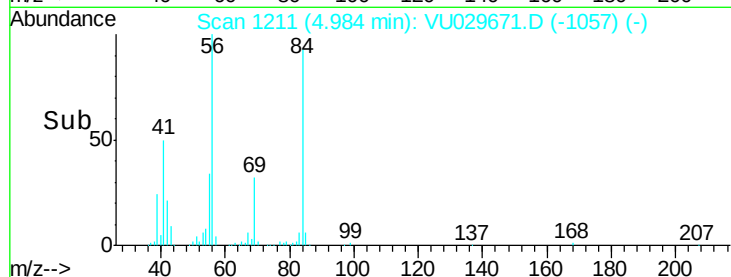
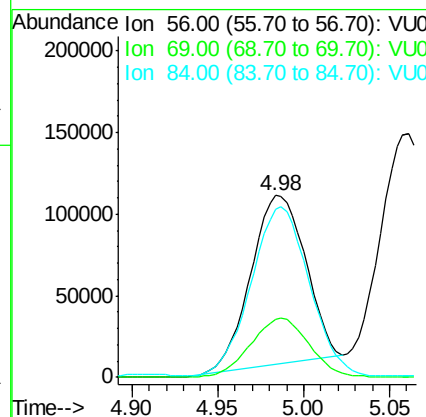
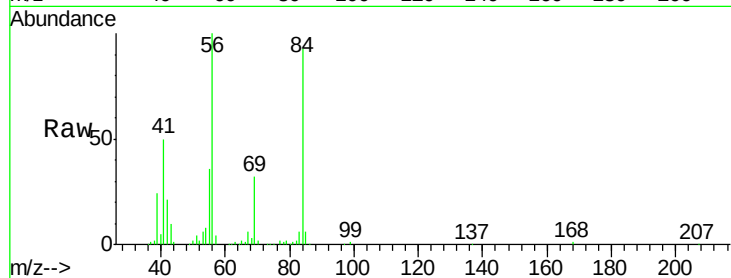
ClientSampleId :

VSTDCCC010

Tot Ion:	56	Resp:	228435
Ion Ratio		Lower	Upper
56	100		
69	37.4	26.8	40.2
84	107.1	71.5	107.3

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#20

Methylcyclohexane

Concen: 10.314 ug/l

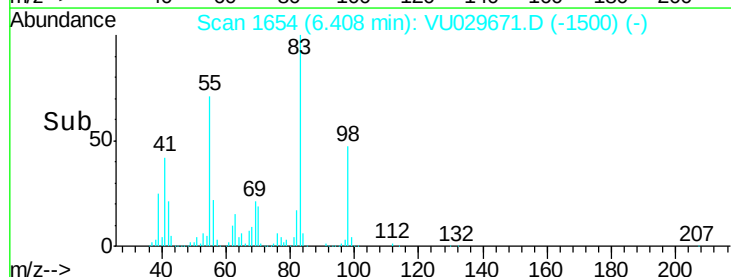
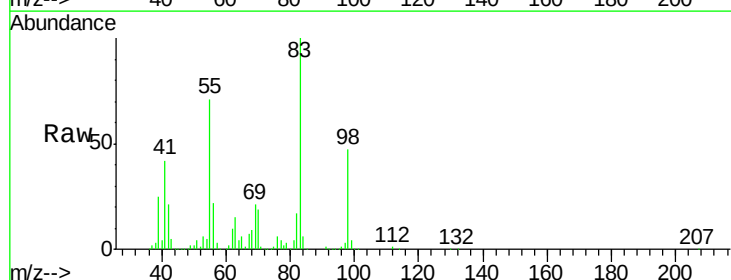
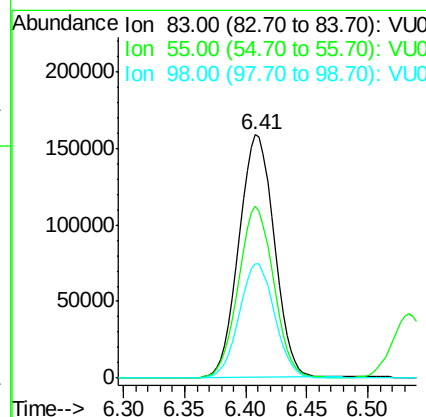
RT: 6.41 min Scan# 1654

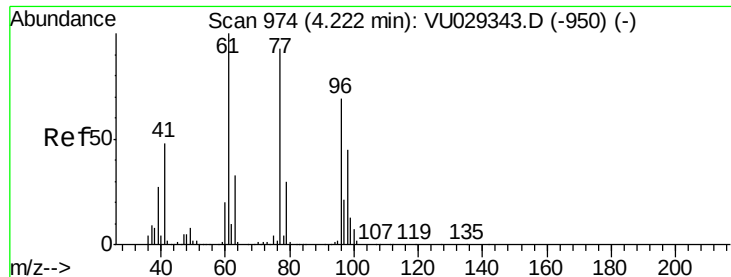
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	83	Resp:	318725
Ion Ratio		Lower	Upper
83	100		
55	70.0	72.4	108.6#
98	46.8	36.6	54.8





#21

2,2-Dichloropropane

Concen: 9.343 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 77 Resp: 274411

Ion Ratio Lower Upper

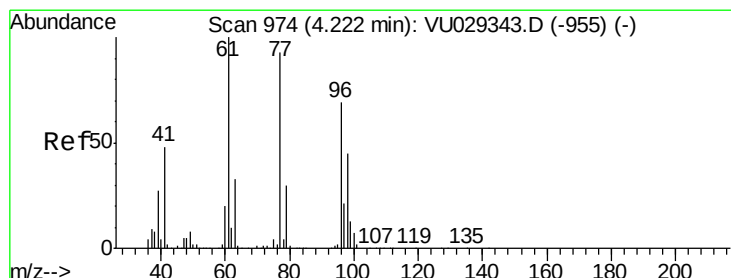
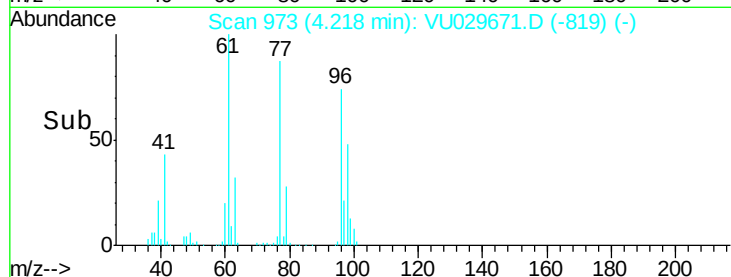
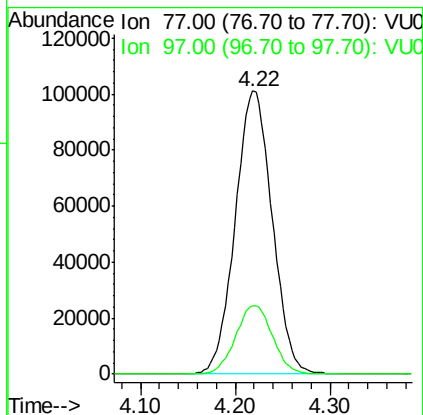
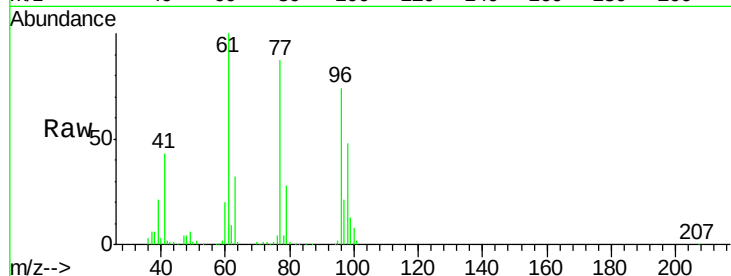
77 100

97 24.1 15.6 23.4#

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#22

cis-1,2-Dichloroethene

Concen: 10.954 ug/l

RT: 4.22 min Scan# 973

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

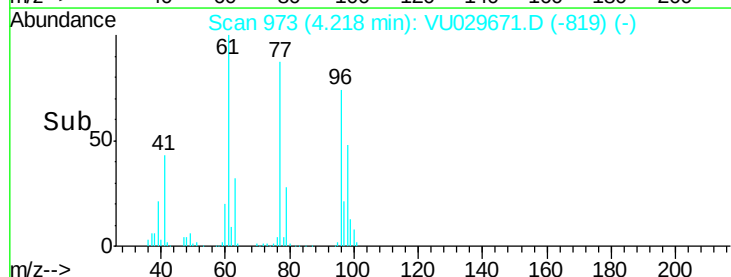
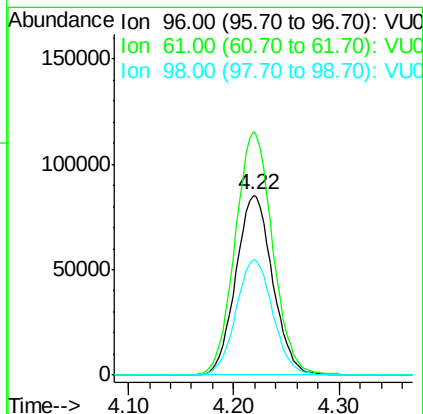
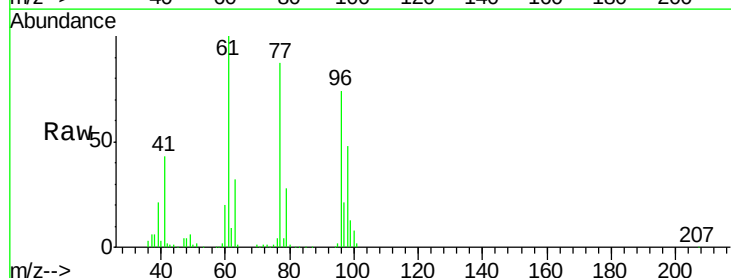
Tgt Ion: 96 Resp: 206620

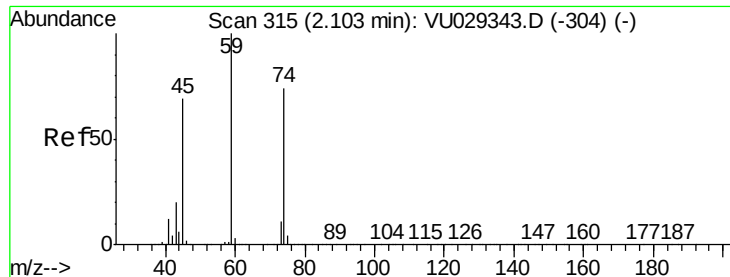
Ion Ratio Lower Upper

96 100

61 138.3 0.0 460.0

98 64.3 32.6 97.7





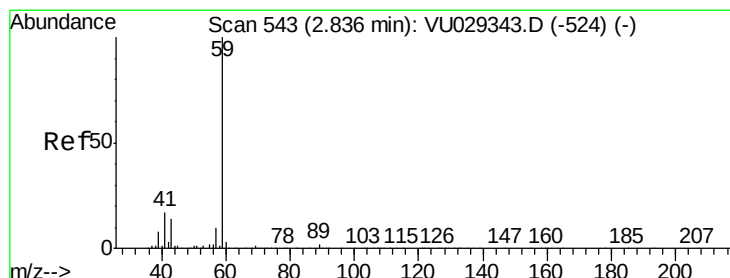
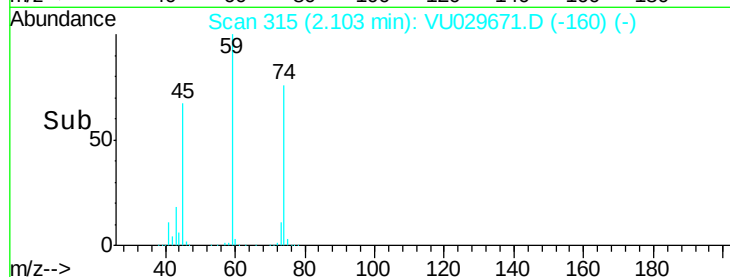
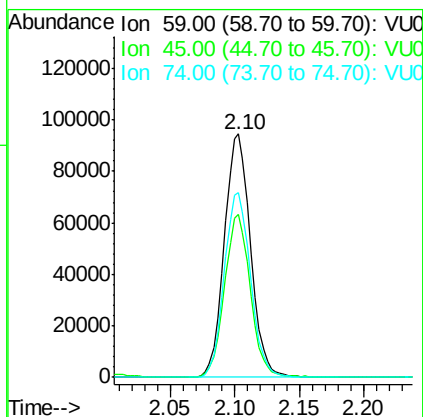
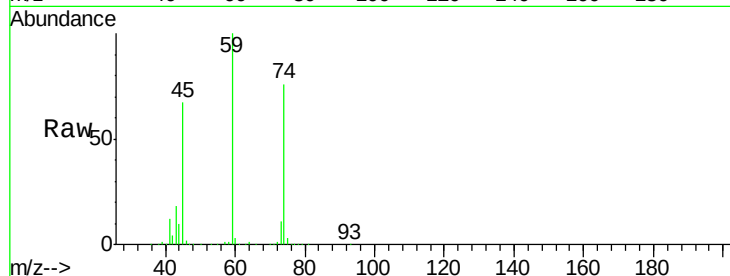
#23
Diethyl Ether
Concen: 9.266 ug/l
RT: 2.10 min Scan# 315
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
45	65.8	64.2	96.4
74	75.9	55.3	82.9

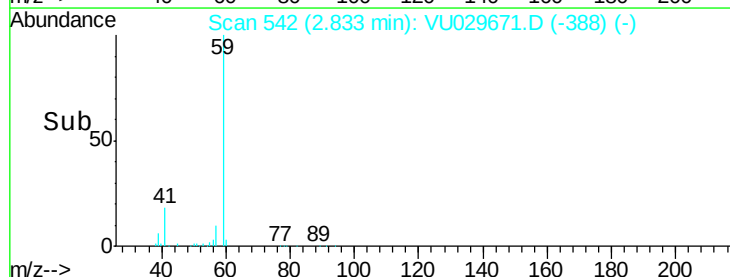
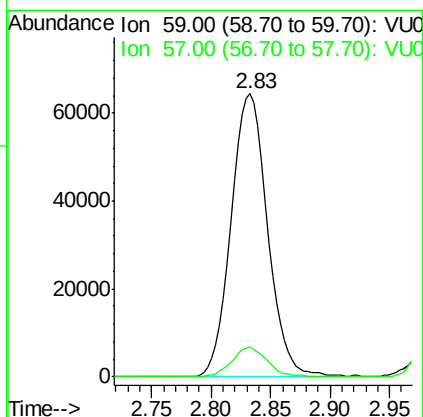
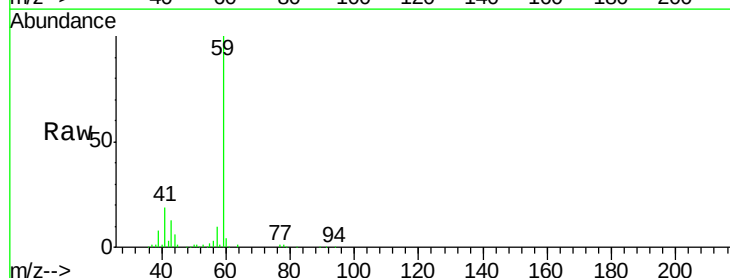
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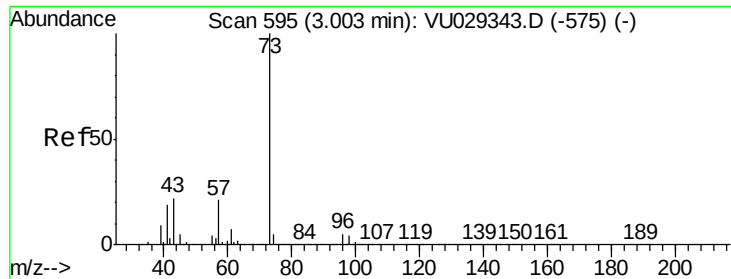
MMDadoda
3/5/2019 9:31:39 AM



#24
tert-Butyl Alcohol
Concen: 91.645 ug/l
RT: 2.83 min Scan# 542
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.8	13.2





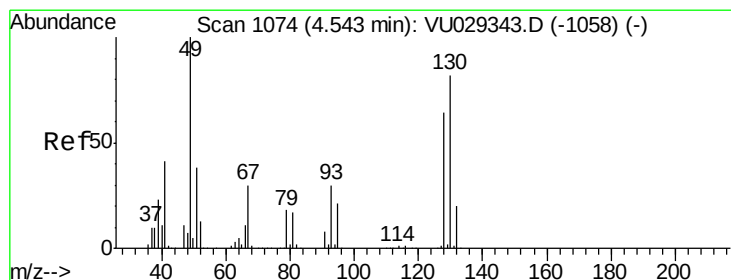
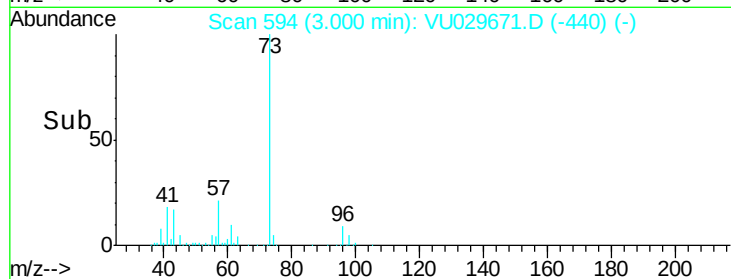
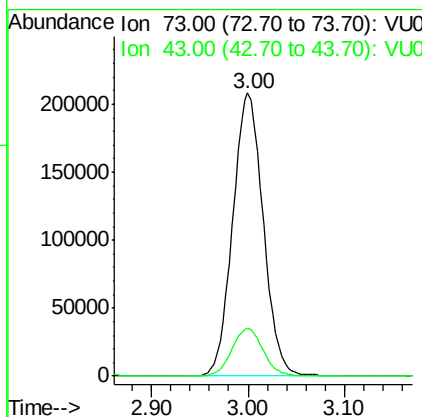
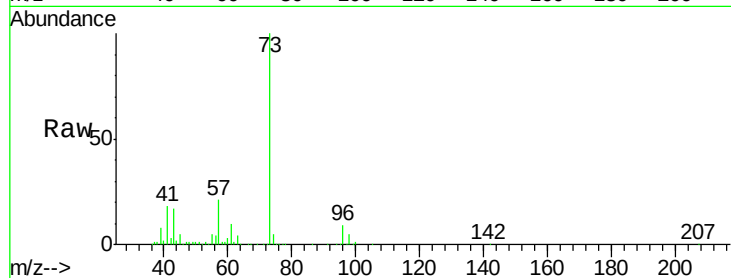
#25
Methyl tert-Butyl Ether
Concen: 9.036 ug/l
RT: 3.00 min Scan# 594
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 73 Resp: 455576
Ion Ratio Lower Upper
73 100
43 17.0 22.1 33.1#

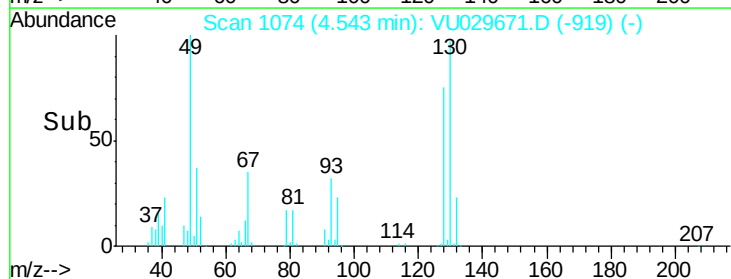
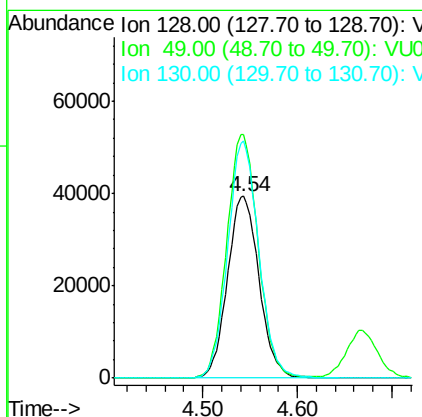
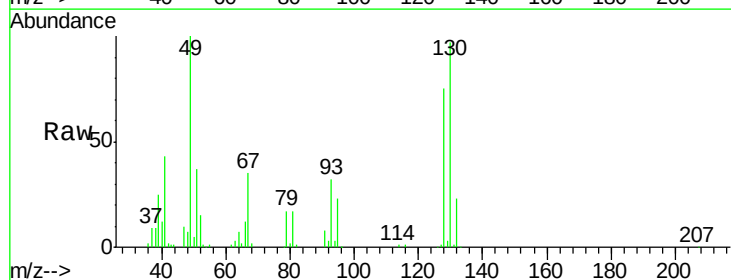
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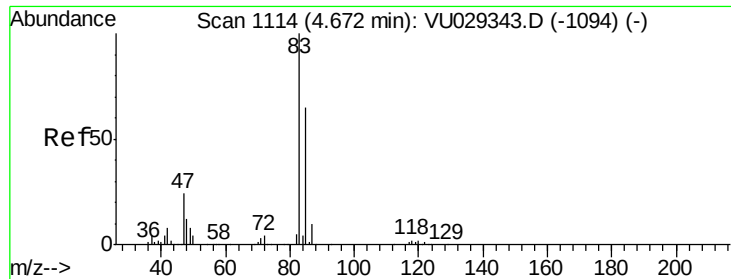
MMDadoda
3/5/2019 9:31:39 AM



#26
Bromochloromethane
Concen: 10.973 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion: 128 Resp: 91428
Ion Ratio Lower Upper
128 100
49 133.0 0.0 401.6
130 128.1 108.0 162.0





#27

Chloroform

Concen: 10.501 ug/l

RT: 4.67 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 324049

Ion Ratio Lower Upper

83 100

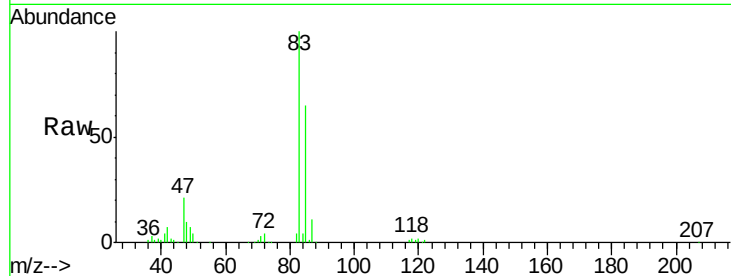
85 65.1 0.0 126.6

Manual Integrations

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Abundance Ion 83.00 (82.70 to 83.70): VU029671.D (-1094) (-)

Ion 85.00 (84.70 to 85.70): VU029671.D (-1094) (-)

4.67

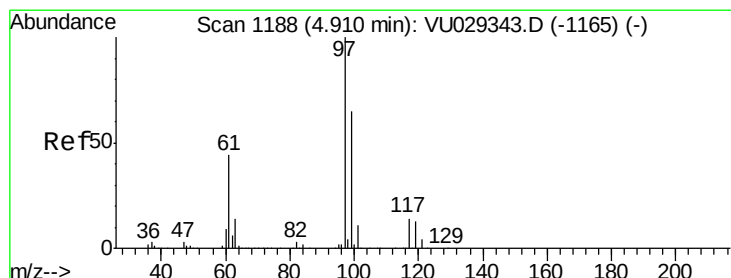
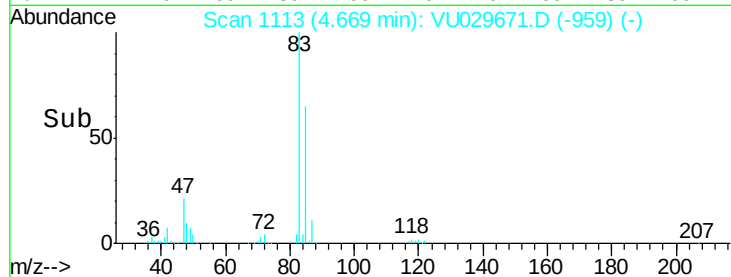
150000

100000

50000

0

Time-->



#28

1,1,1-Trichloroethane

Concen: 9.935 ug/l

RT: 4.91 min Scan# 1187

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

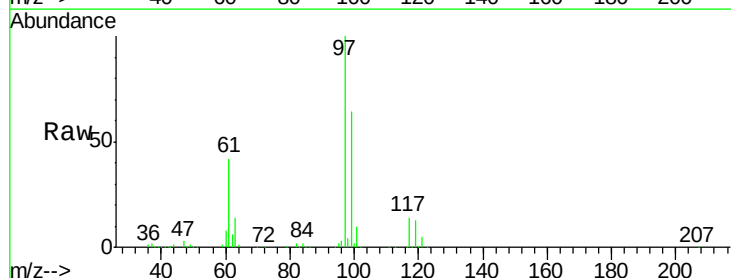
Tgt Ion: 97 Resp: 284157

Ion Ratio Lower Upper

97 100

99 64.5 32.4 97.2

61 41.8 24.4 73.2



Abundance Ion 97.00 (96.70 to 97.70): VU029671.D (-1165) (-)

Ion 99.00 (98.70 to 99.70): VU029671.D (-1165) (-)

Ion 61.00 (60.70 to 61.70): VU029671.D (-1165) (-)

4.91

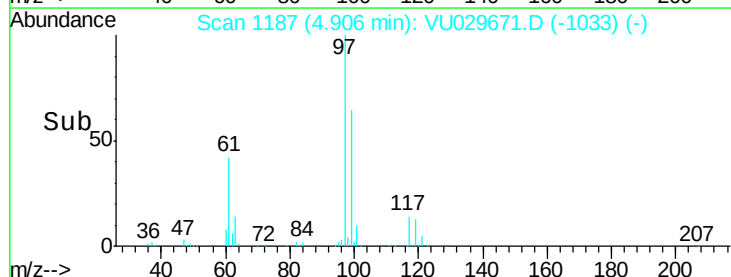
150000

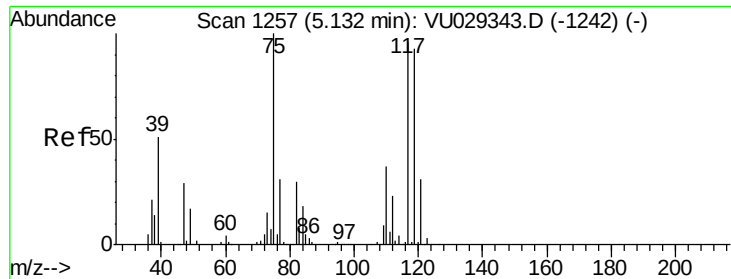
100000

50000

0

Time-->





#29

1,1-Dichloropropene

Concen: 10.041 ug/l

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

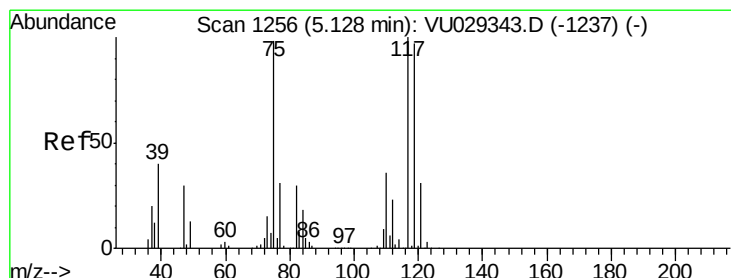
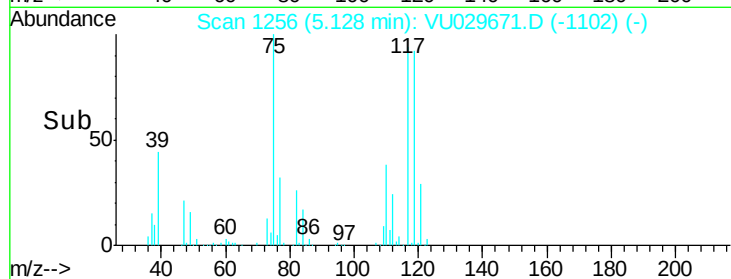
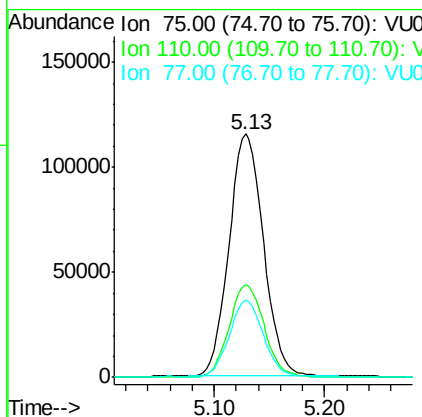
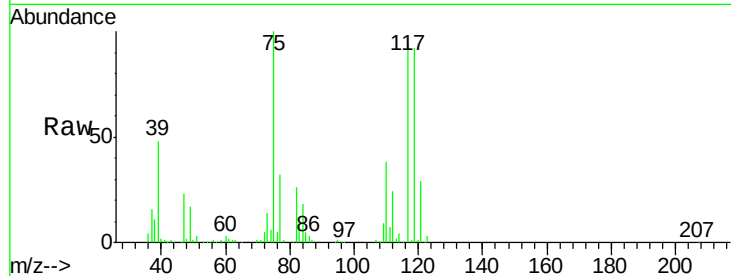
ClientSampleId :

VSTDCCC010

Tot Ion:	75	Resp:	249317
Ion Ratio	Lower	Upper	
75	100		
110	39.0	15.4	46.2
77	31.6	24.1	36.1

Manual Integrations
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3/5/2019 9:31:39 AM



#30

Carbon Tetrachloride

Concen: 9.826 ug/l

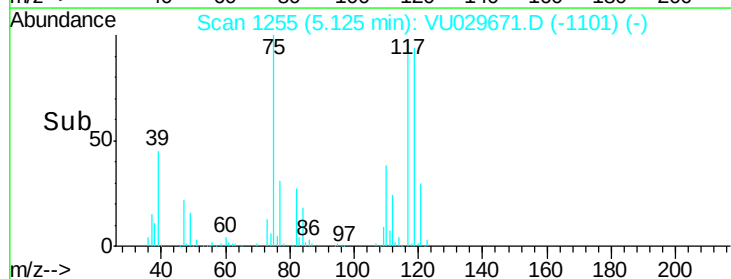
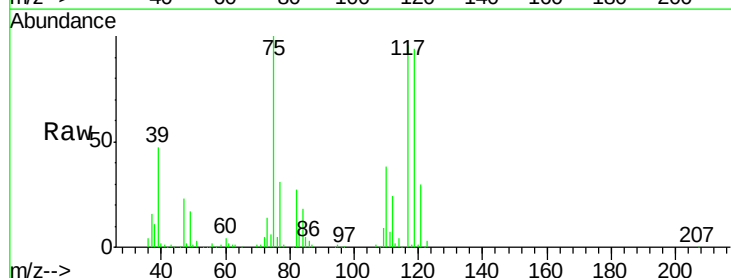
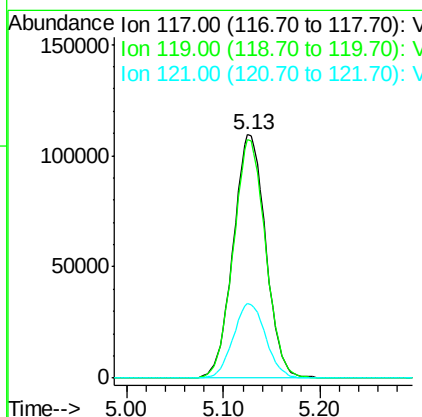
RT: 5.13 min Scan# 1255

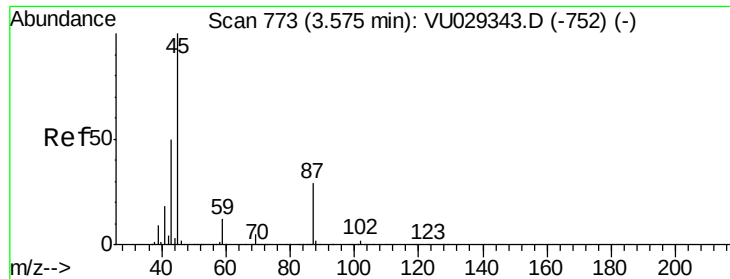
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	117	Resp:	254441
Ion Ratio	Lower	Upper	
117	100		
119	97.9	76.8	115.2
121	30.7	24.4	36.6





#31

Isopropyl Ether

Concen: 9.285 ug/l

RT: 3.57 min Scan# 772

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 444560

Ion Ratio Lower Upper

45 100

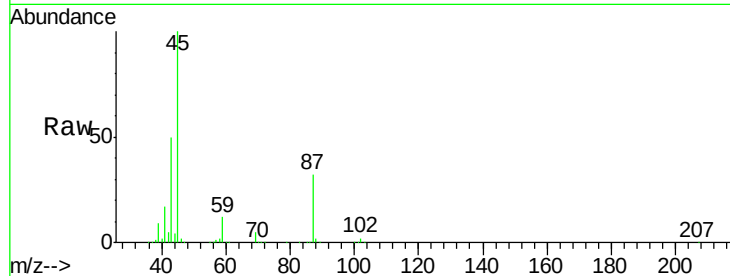
43 50.2 28.4 85.3

Manual Integrations

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MMDadoda

3/5/2019 9:31:39 AM



Abundance Ion 45.00 (44.70 to 45.70): VU029343.D (-752) (-)

Ion 43.00 (42.70 to 43.70): VU029343.D (-752) (-)

3.57

200000

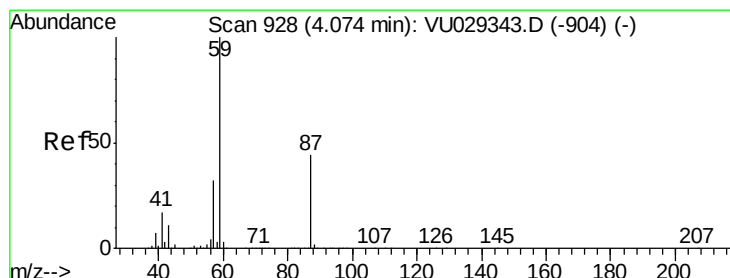
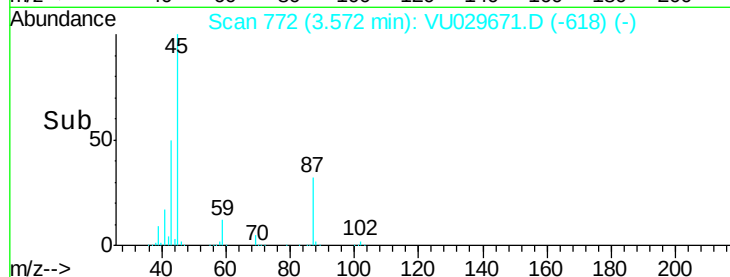
150000

100000

50000

0

Time-->



#32

Ethyl-t-butyl ether

Concen: 9.473 ug/l

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VU029671.D

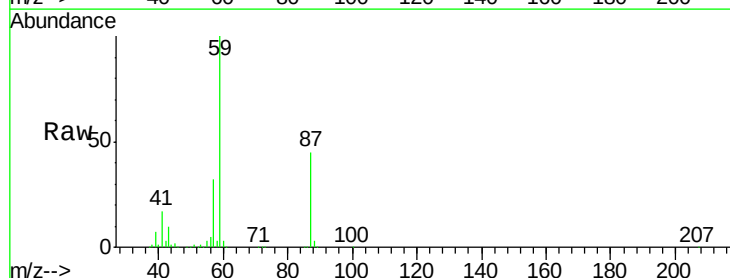
Acq: 26 Feb 2019 09:53

Tgt Ion: 59 Resp: 454543

Ion Ratio Lower Upper

59 100

87 45.3 31.1 46.7



Abundance Ion 59.00 (58.70 to 59.70): VU029343.D (-904) (-)

Ion 87.00 (86.70 to 87.70): VU029343.D (-904) (-)

4.07

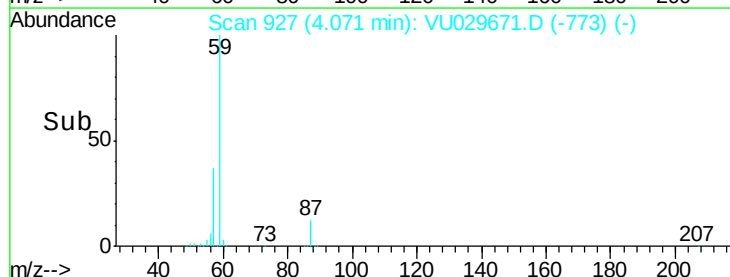
150000

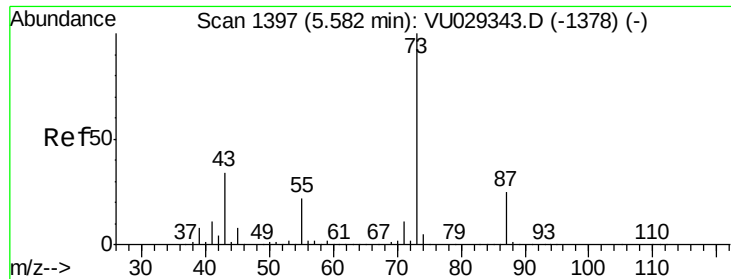
100000

50000

0

Time-->





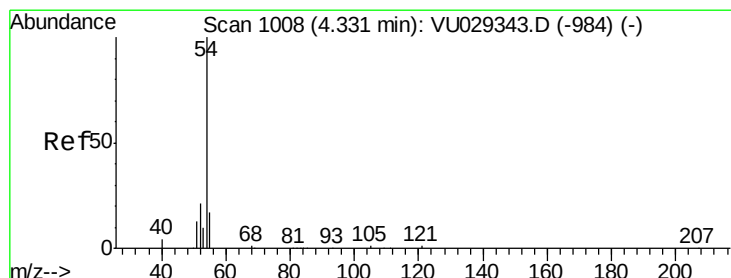
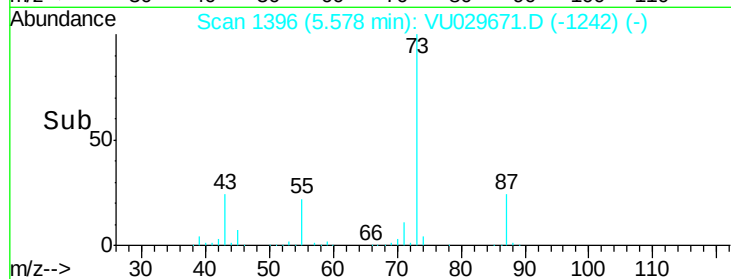
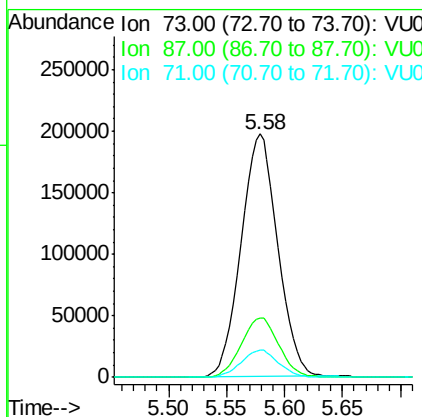
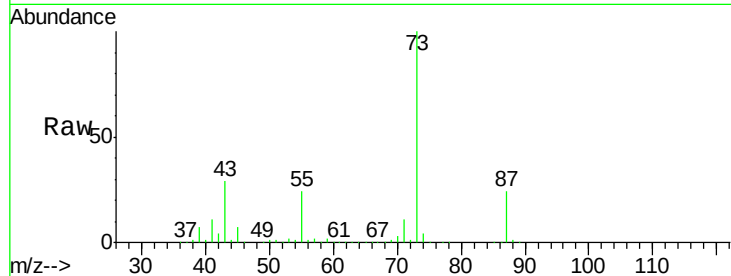
#33
Tert-Butyl methyl ether
Concen: 9.988 ug/l
RT: 5.58 min Scan# 1396
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
73	100		
87	25.1	19.4	29.0
71	11.4	9.0	13.4

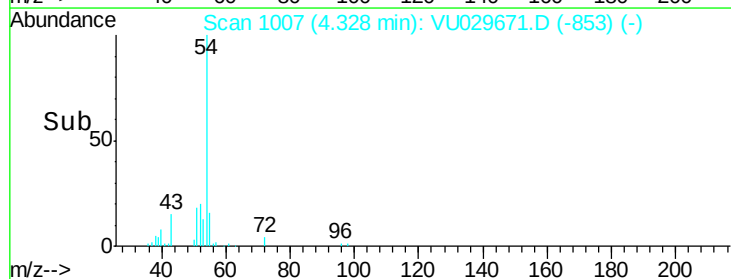
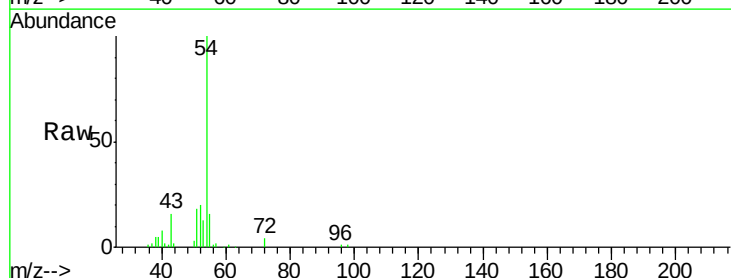
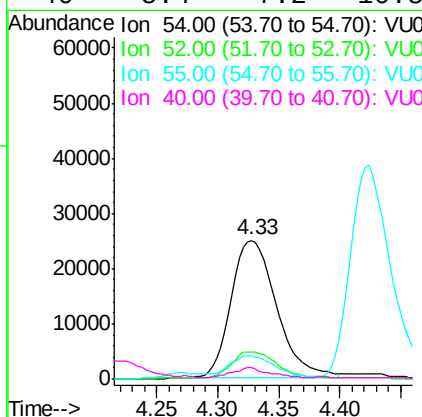
Manual Integrations
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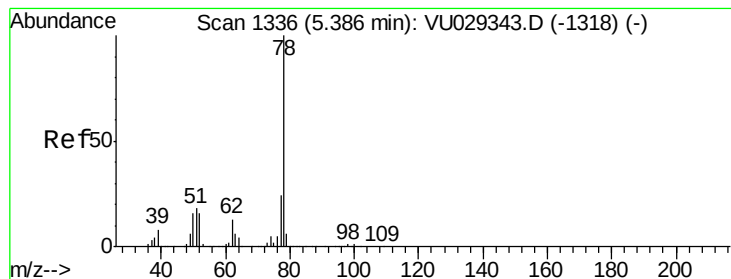
MMDadoda
3/5/2019 9:31:39 AM



#34
Propionitrile
Concen: 57.075 ug/l
RT: 4.33 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
54	100		
52	19.4	18.9	28.3
55	15.2	15.1	22.7
40	5.4	7.2	10.8





#35

Benzene

Concen: 10.643 ug/l

RT: 5.38 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 78 Resp: 730792

Ion Ratio Lower Upper

78 100

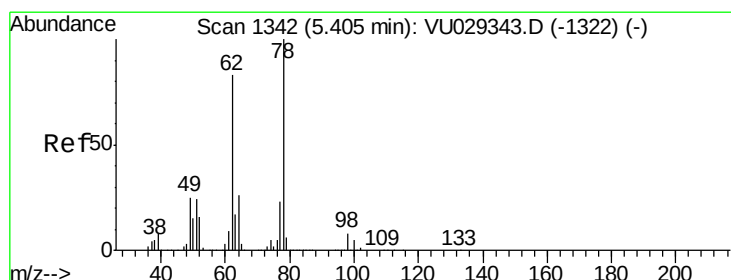
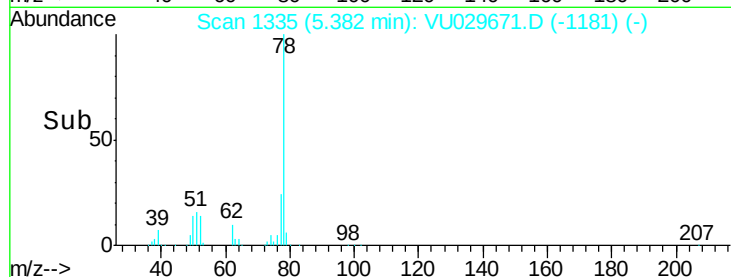
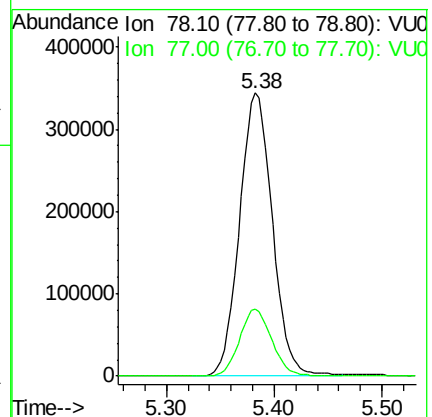
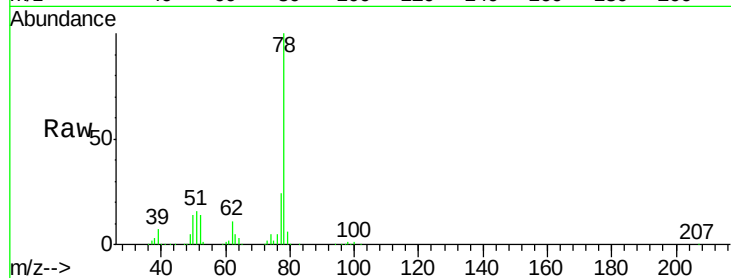
77 23.5 19.8 29.8

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3/5/2019 9:31:39 AM



#36

1,2-Dichloroethane

Concen: 9.788 ug/l

RT: 5.40 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VU029671.D

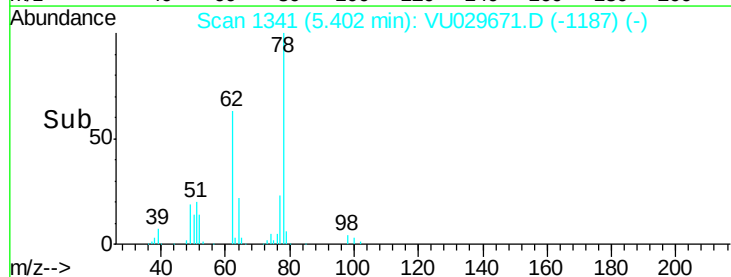
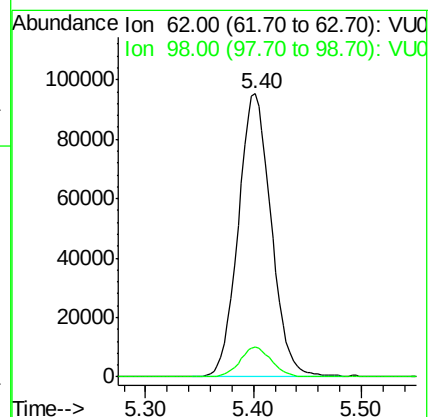
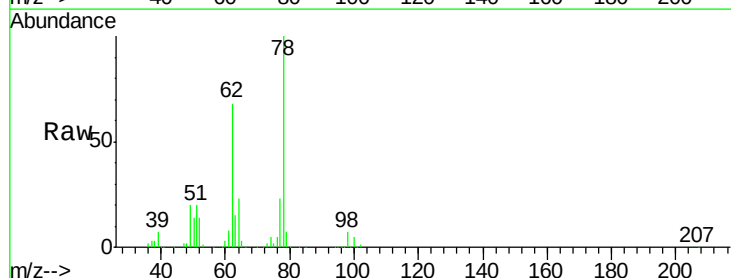
Acq: 26 Feb 2019 09:53

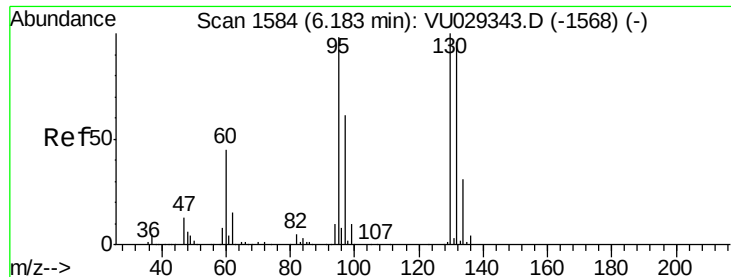
Tgt Ion: 62 Resp: 203273

Ion Ratio Lower Upper

62 100

98 10.1 4.9 7.3#





#37

Trichloroethene

Concen: 11.009 ug/l

RT: 6.18 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:130 Resp: 216919

Ion Ratio Lower Upper

130 100

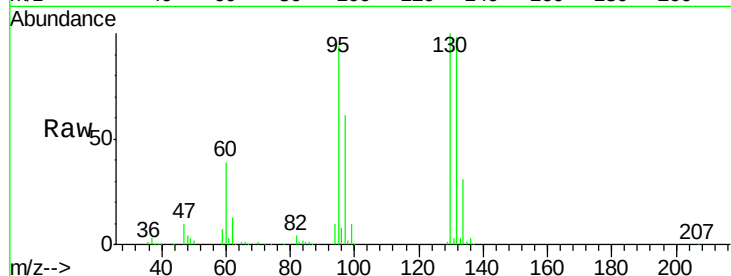
95 94.2 85.4 128.0

Manual Integrations

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MMDadoda

3/5/2019 9:31:39 AM



Abundance Ion 129.90 (129.60 to 130.60): VU029343.D (-1568) (-)

Ion 94.90 (94.60 to 95.60): VU029343.D (-1568) (-)

6.18

120000

100000

80000

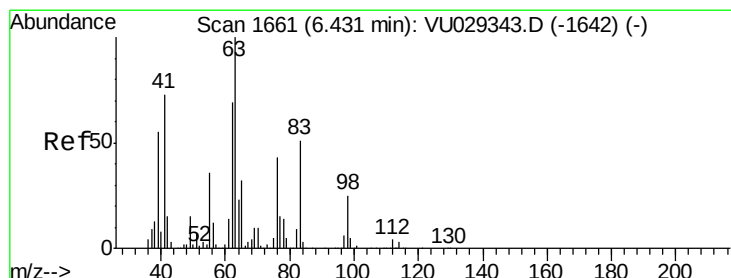
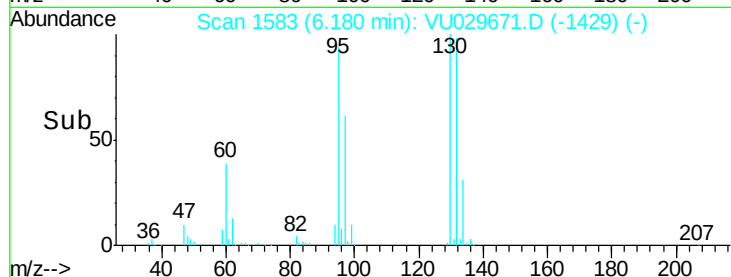
60000

40000

20000

0

Time-->



#38

1,2-Dichloropropane

Concen: 10.472 ug/l

RT: 6.43 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VU029671.D

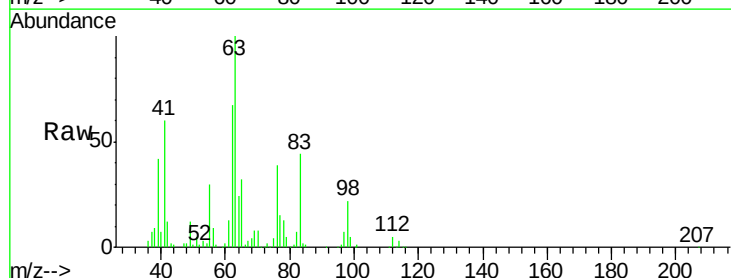
Acq: 26 Feb 2019 09:53

Tgt Ion: 63 Resp: 187058

Ion Ratio Lower Upper

63 100

65 32.0 25.5 38.3



Abundance Ion 63.00 (62.70 to 63.70): VU029343.D (-1642) (-)

Ion 65.00 (64.70 to 65.70): VU029343.D (-1642) (-)

6.43

100000

80000

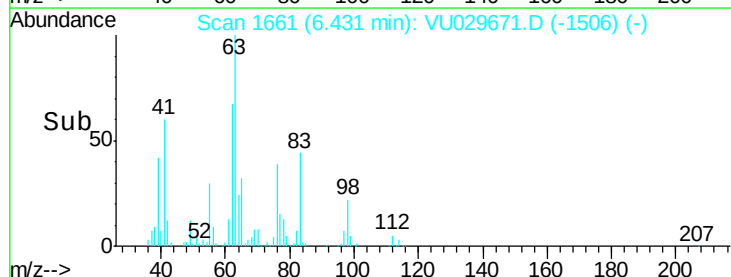
60000

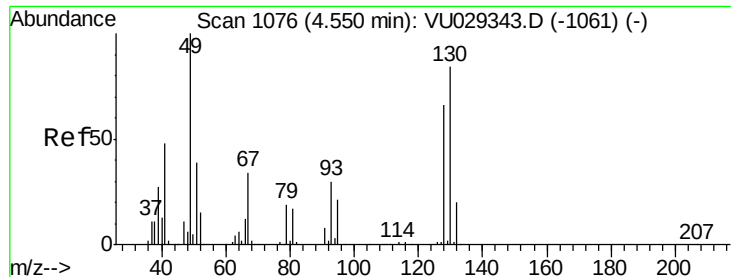
40000

20000

0

Time-->





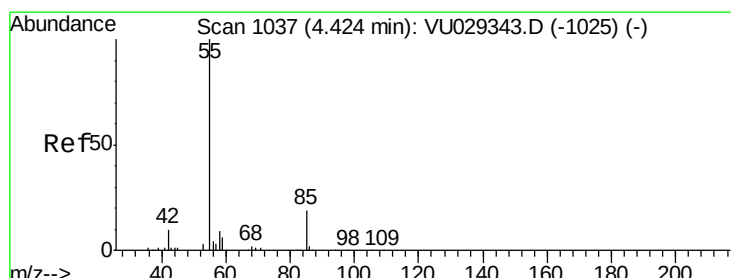
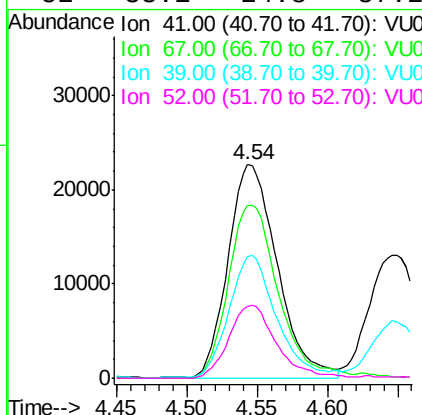
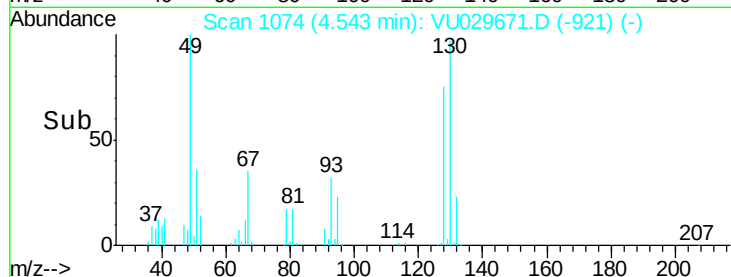
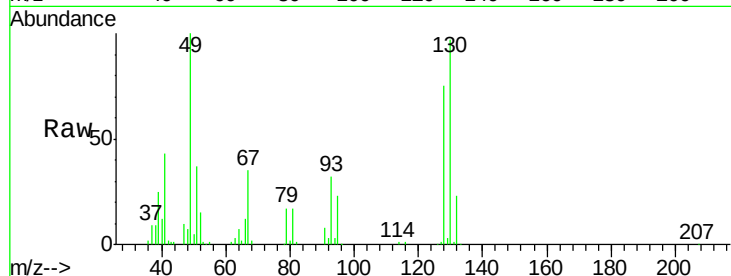
#39
Methacrylonitrile
Concen: 9.527 ug/l
RT: 4.54 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	41	Resp	55436
Ion	Ratio	Lower	Upper
41	100		
67	82.1	50.1	75.1#
39	54.9	47.9	71.9
52	33.1	24.8	37.2

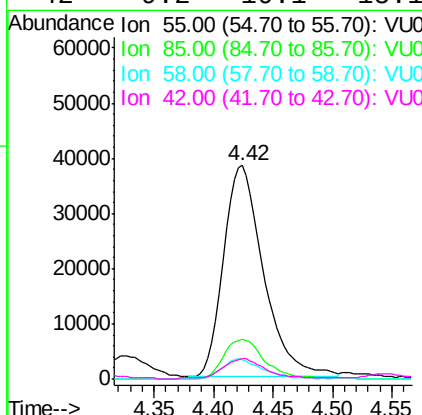
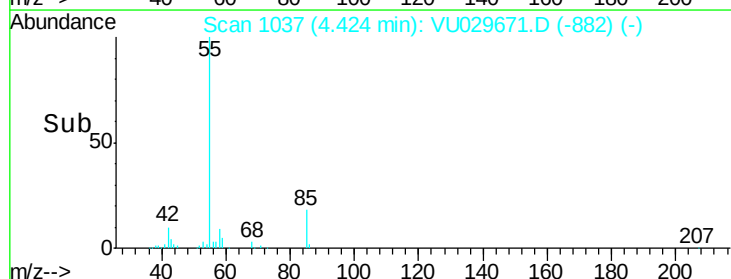
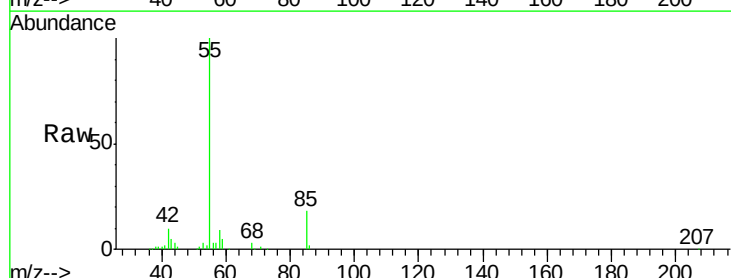
Manual Integrations
APPROVED

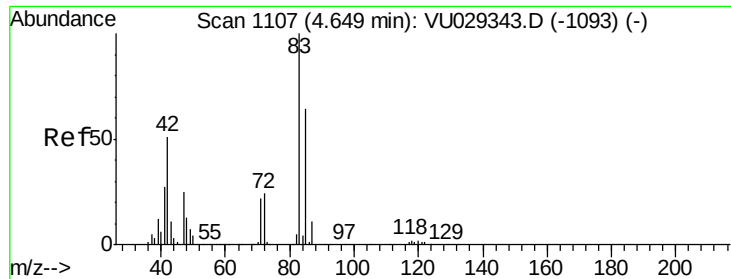
MMDadoda
3/5/2019 9:31:39 AM



#40
Methyl acrylate
Concen: 10.207 ug/l
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	55	Resp	89658
Ion	Ratio	Lower	Upper
55	100		
85	19.2	11.3	16.9#
58	9.5	6.2	9.4#
42	9.2	10.1	15.1#





#41

Tetrahydrofuran

Concen: 18.765 ug/l

RT: 4.64 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

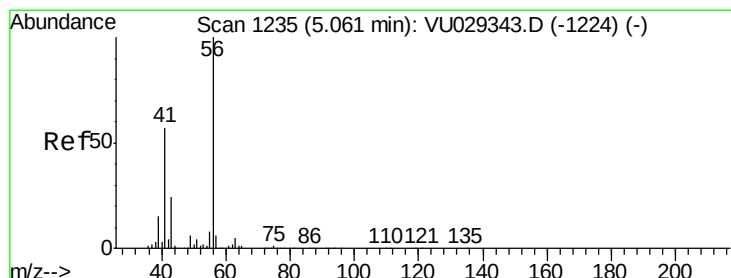
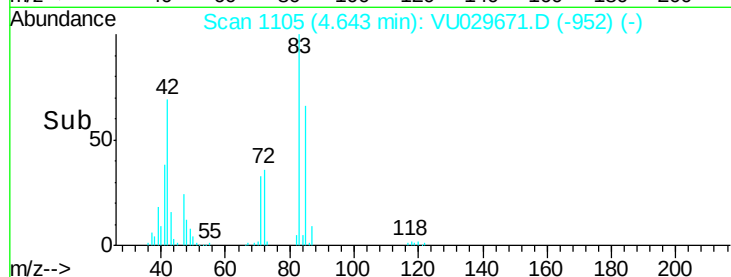
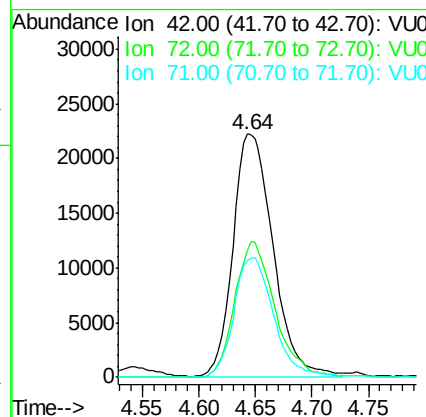
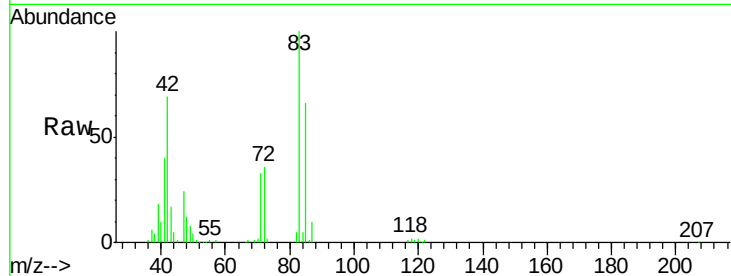
ClientSampleId :

VSTDCCC010

Tot Ion:	42	Resp:	55005
Ion	Ratio	Lower	Upper
42	100		
72	55.7	33.1	49.7#
71	48.8	30.2	45.2#

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:31:39 AM



#42

1-Chlorobutane

Concen: 9.782 ug/l

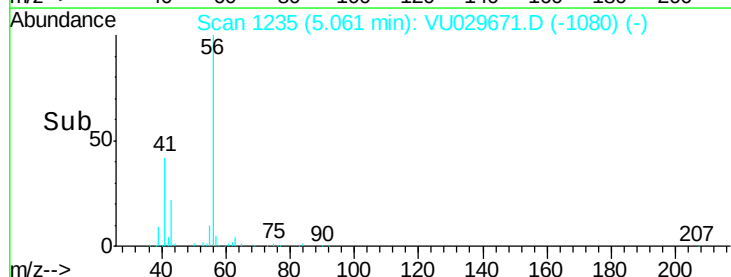
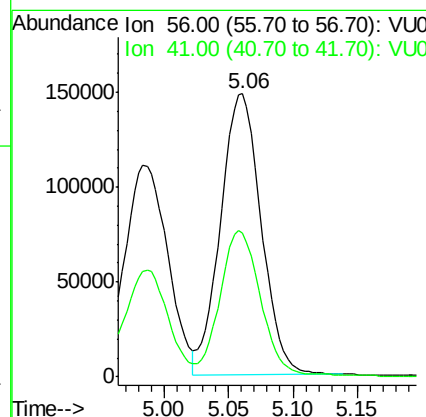
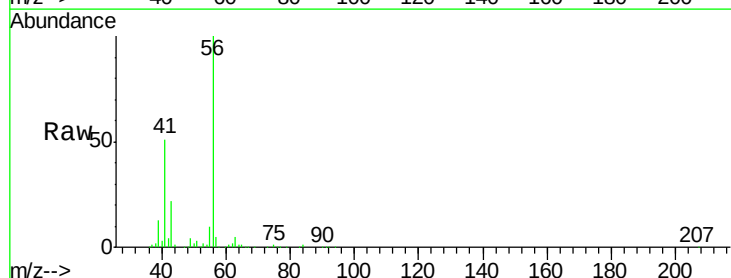
RT: 5.06 min Scan# 1235

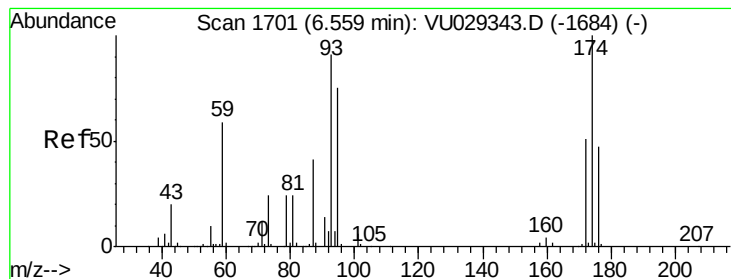
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	56	Resp:	325415
Ion	Ratio	Lower	Upper
56	100		
41	49.9	31.3	93.8





#43

Dibromomethane

Concen: 10.576 ug/l

RT: 6.56 min Scan# 1700

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

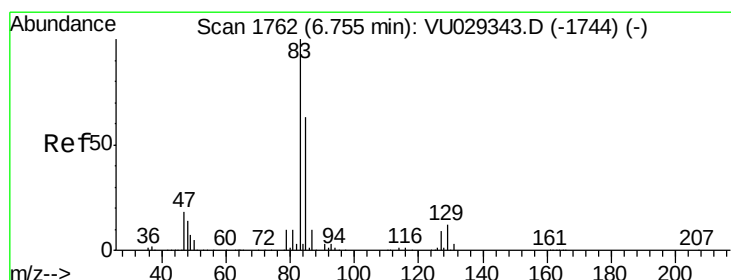
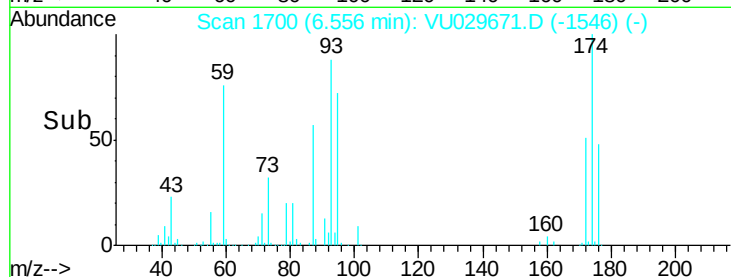
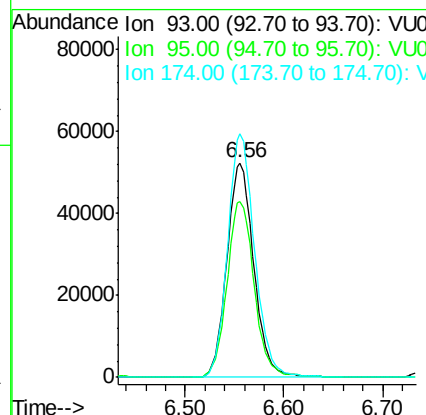
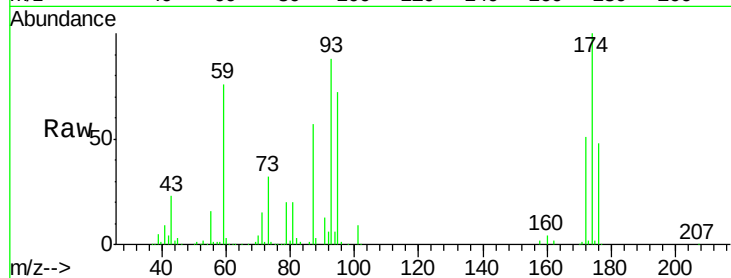
ClientSampleId :

VSTDCCC010

Tot Ion:	93	Resp:	100667
Ion	Ratio	Lower	Upper
93	100		
95	82.9	68.2	102.2
174	113.3	77.6	116.4

Manual Integrations
APPROVED

MMDadoda
3/5/2019 9:31:39 AM



#44

Bromodichloromethane

Concen: 9.843 ug/l

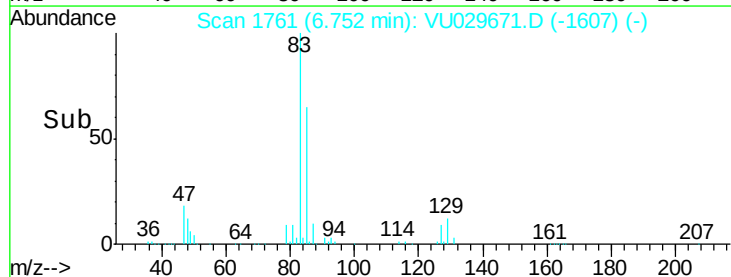
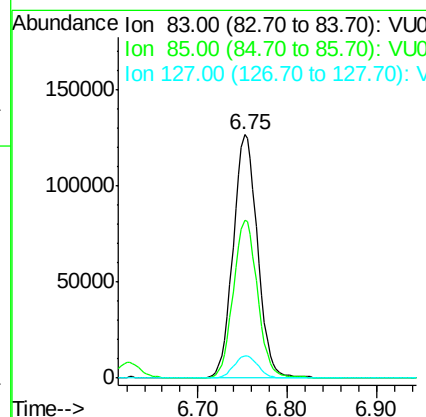
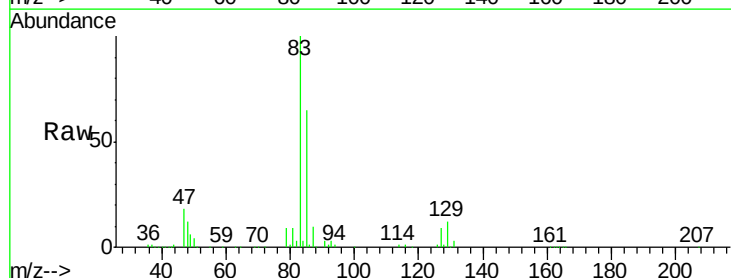
RT: 6.75 min Scan# 1761

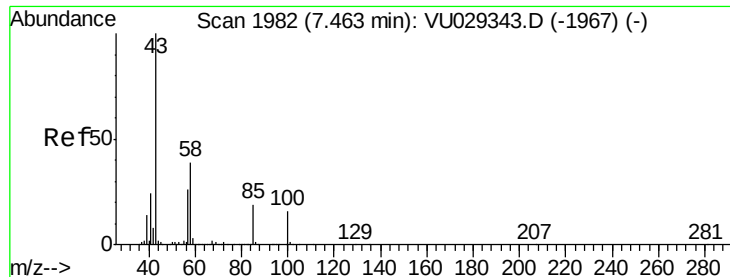
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	83	Resp:	238727
Ion	Ratio	Lower	Upper
83	100		
85	64.8	49.2	73.8
127	9.4	7.0	10.6





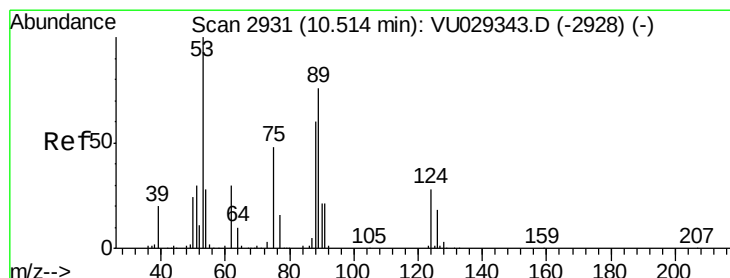
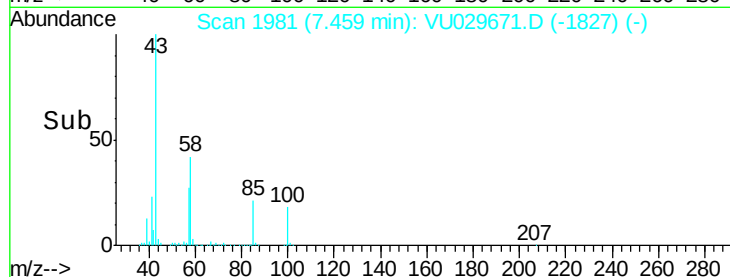
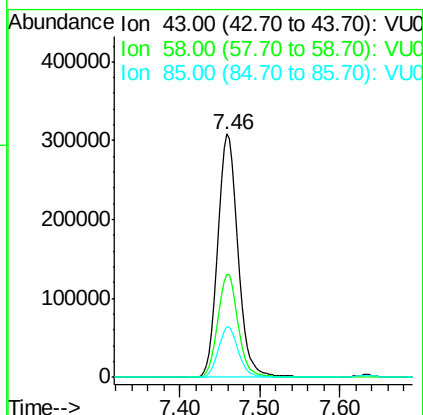
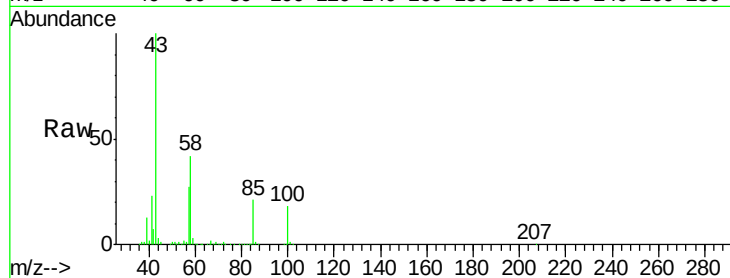
#45
4-Methyl-2-Pentanone
Concen: 48.827 ug/l
RT: 7.46 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.4	17.6	52.8
85	20.4	12.3	18.5#

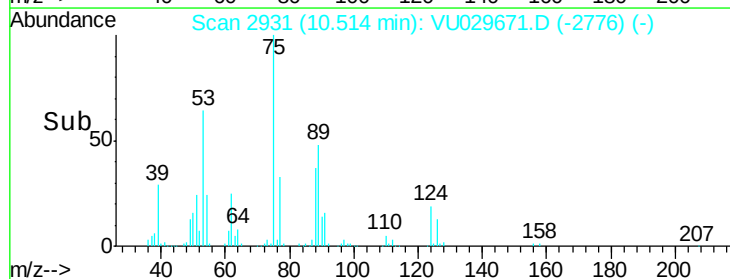
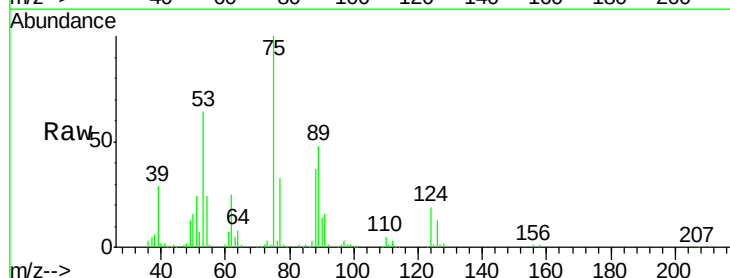
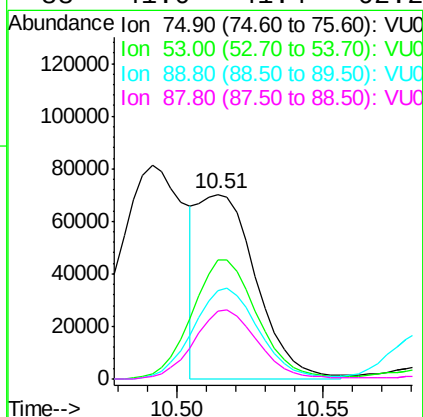
Manual Integrations
APPROVED

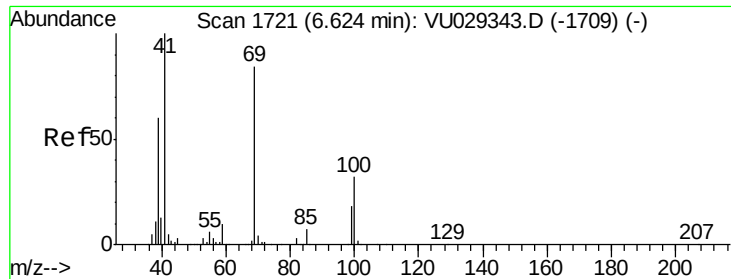
MMDadoda
3/5/2019 9:31:39 AM



#46
t-1,4-Dichloro-2-butene
Concen: 17.911 ug/l m
RT: 10.51 min Scan# 2931
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
53	72.8	78.2	117.4#
89	55.5	44.2	66.4
88	41.0	41.4	62.2#





#47

Methvl methacrylate

Concen: 21.525 ug/l

RT: 6.62 min Scan# 1720

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

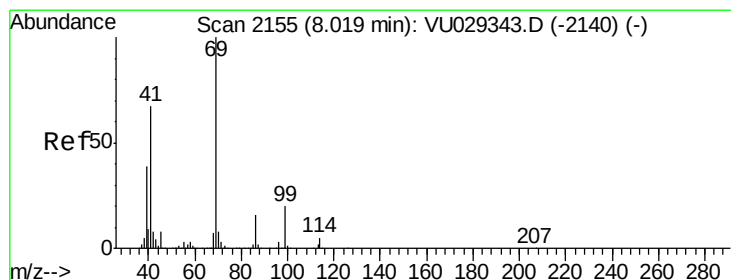
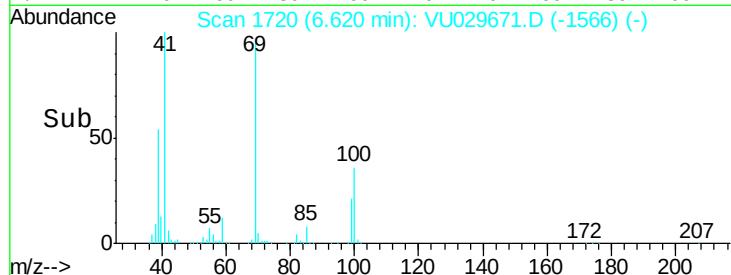
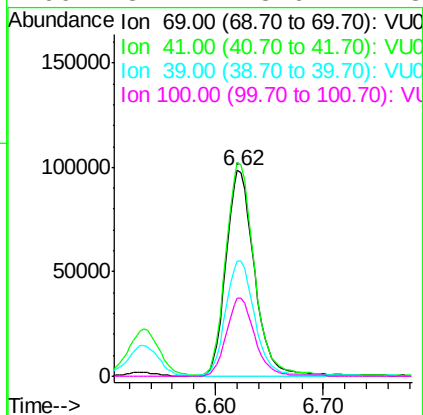
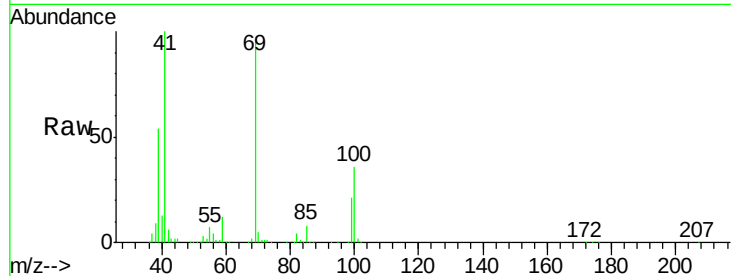
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
69	100		180273		
41	103.4	0.0	296.2		
39	56.8	71.2	106.8#		
100	37.7	28.6	42.8		

Manual Integrations
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MMDadoda
3/5/2019 9:31:39 AM



#48

Ethyl methacrylate

Concen: 10.203 ug/l

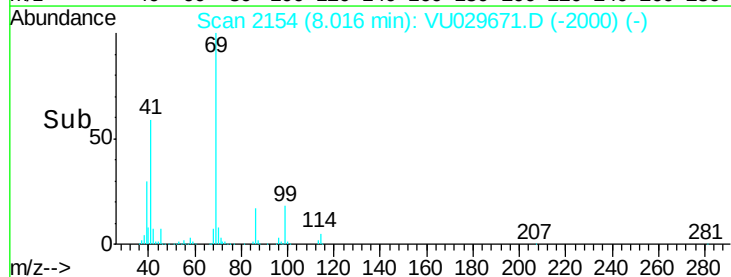
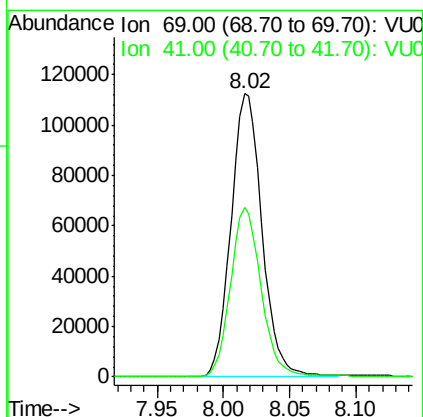
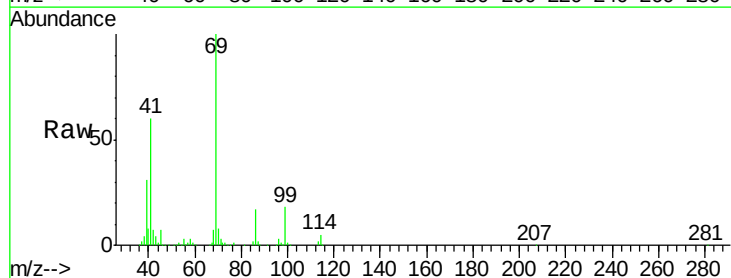
RT: 8.02 min Scan# 2154

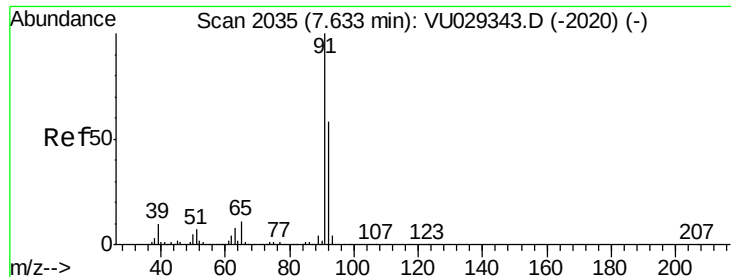
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		183319		
41	59.4	39.9	119.7		





#49

Toluene

Concen: 10.882 ug/l

RT: 7.63 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 92 Resp: 478145

Ion Ratio Lower Upper

92 100

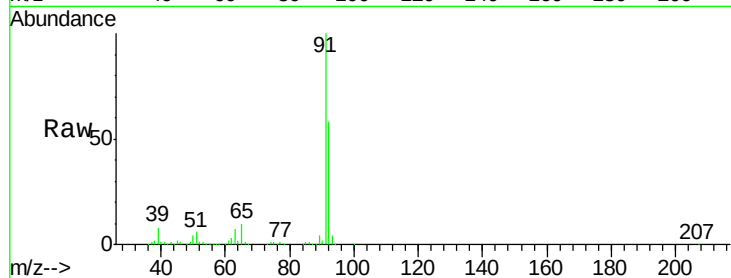
91 173.2 140.7 211.1

Manual Integrations

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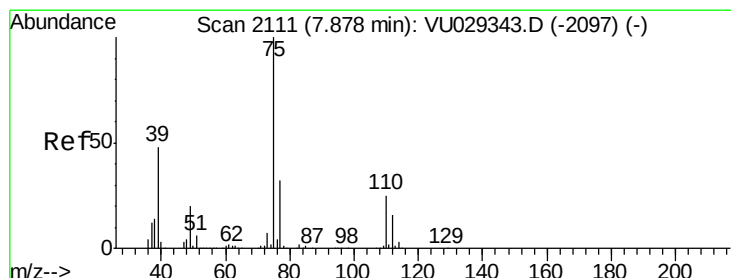
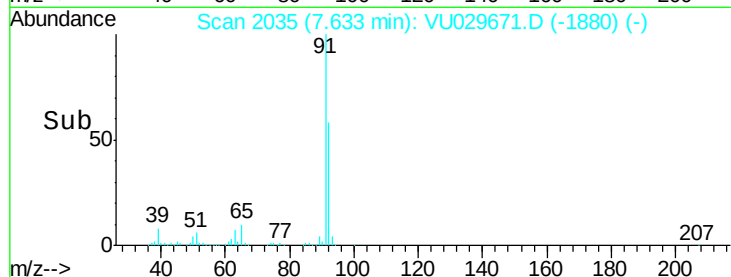
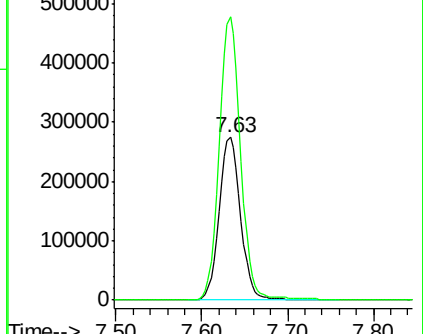
MMDadoda

3/5/2019 9:31:39 AM



Abundance Ion 92.00 (91.70 to 92.70): VU0

Ion 91.00 (90.70 to 91.70): VU0



#50

t-1,3-Dichloropropene

Concen: 9.604 ug/l

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VU029671.D

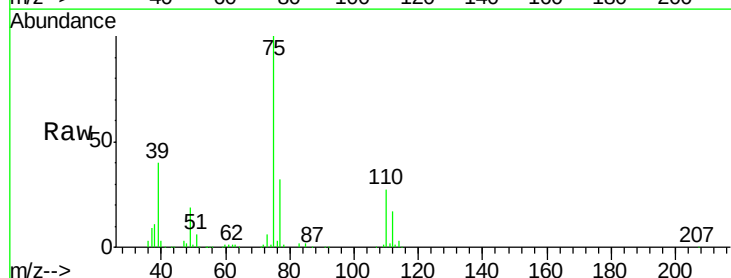
Acq: 26 Feb 2019 09:53

Tgt Ion: 75 Resp: 228336

Ion Ratio Lower Upper

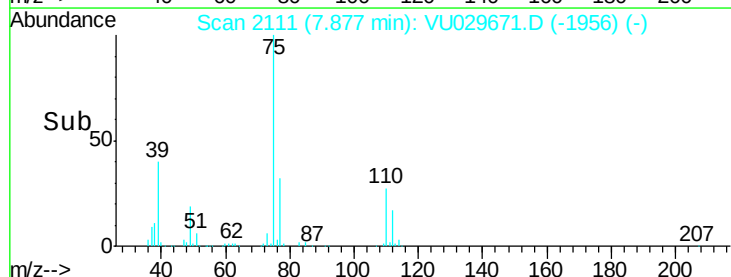
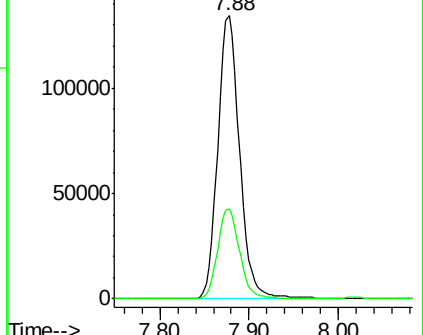
75 100

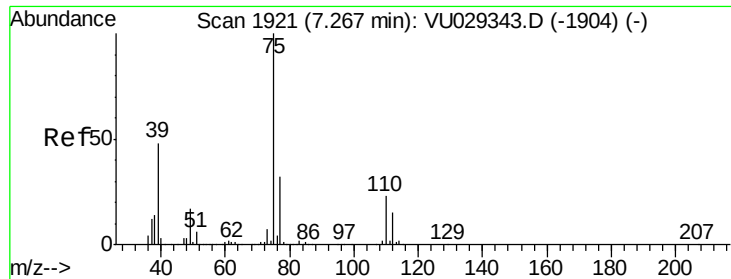
77 31.5 23.6 35.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#51

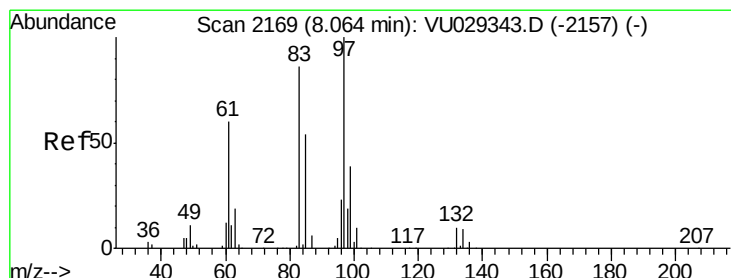
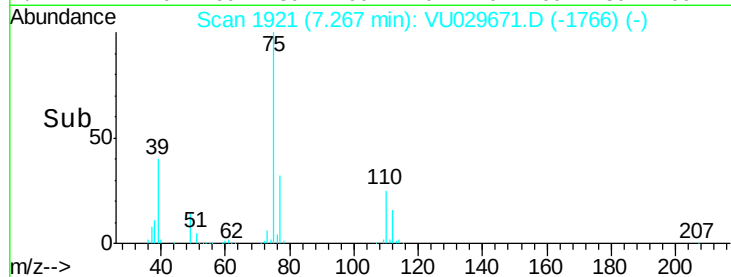
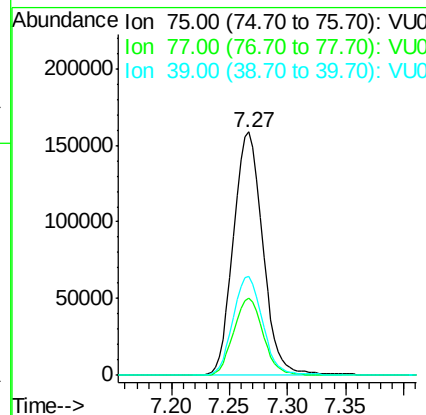
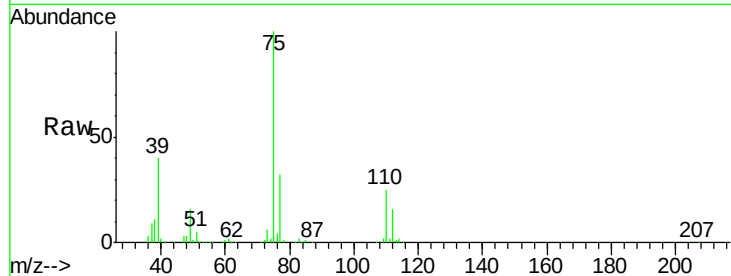
cis-1,3-Dichloropropene
 Concen: 9.874 ug/l
 RT: 7.27 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.9	37.3
39	40.3	47.2	70.8#

Manual Integrations
 APPROVED

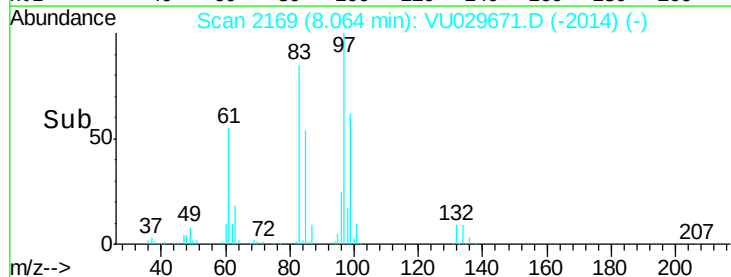
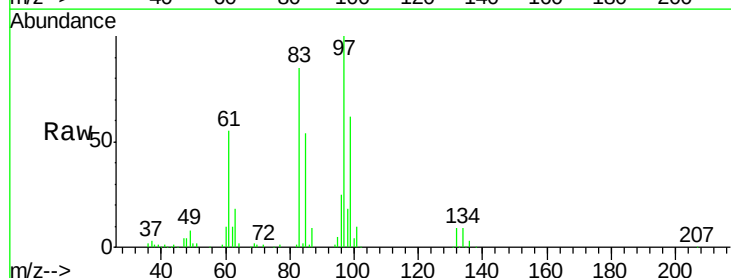
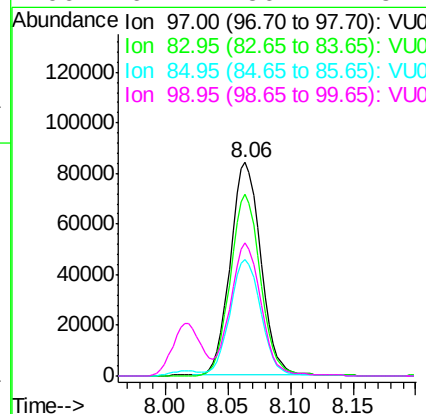
MMDadoda
 3/5/2019 9:31:39 AM

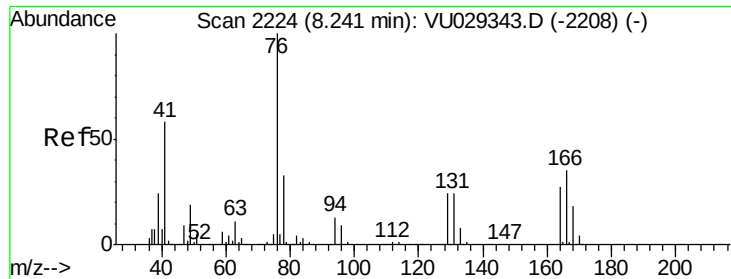


#52

1,1,2-Trichloroethane
 Concen: 11.271 ug/l
 RT: 8.06 min Scan# 2169
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.4	69.9	104.9
85	54.0	45.8	68.6
99	62.1	50.2	75.2





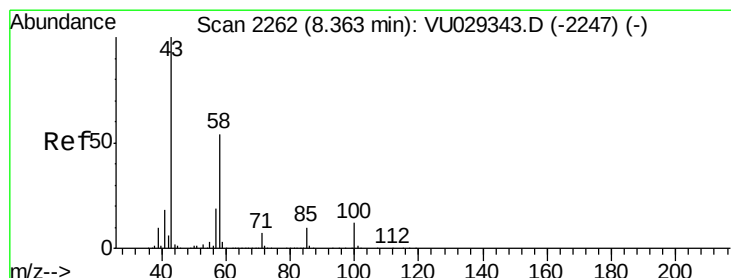
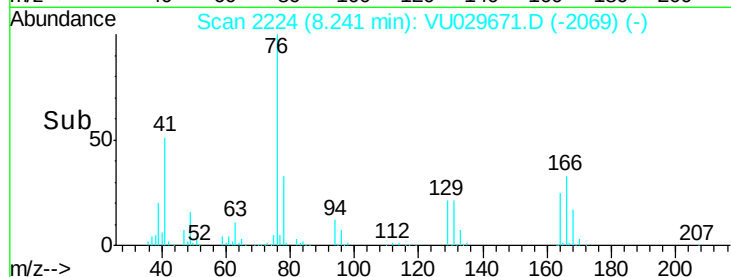
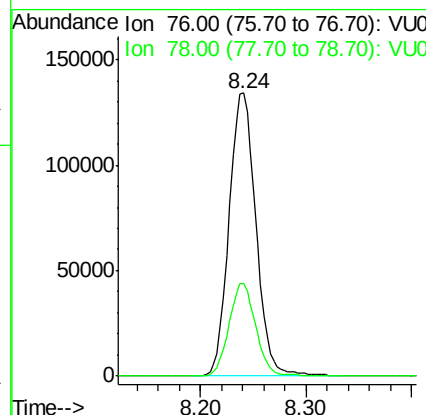
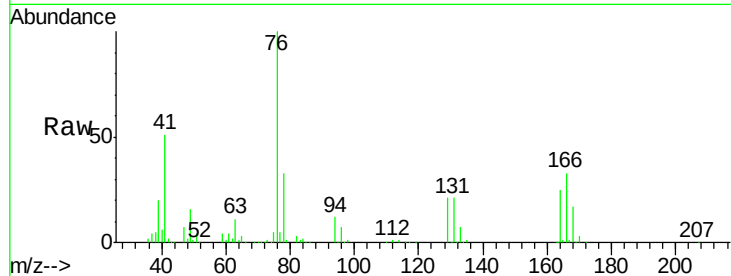
#53
 1,3-Dichloropropane
 Concen: 10.701 ug/l
 RT: 8.24 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

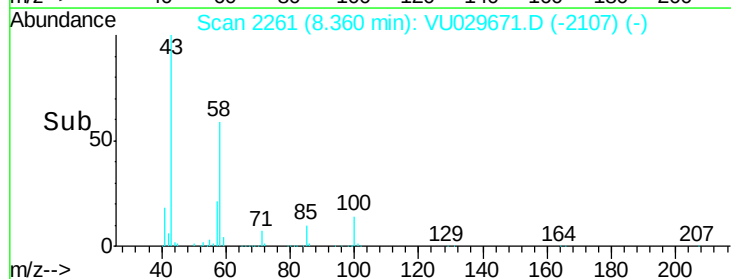
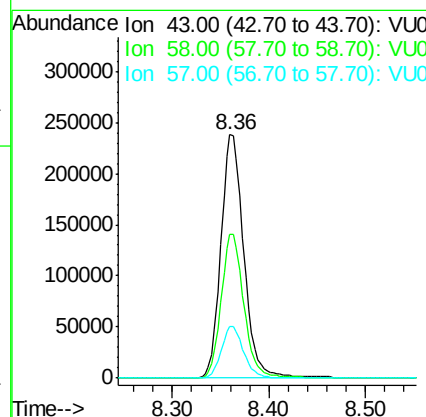
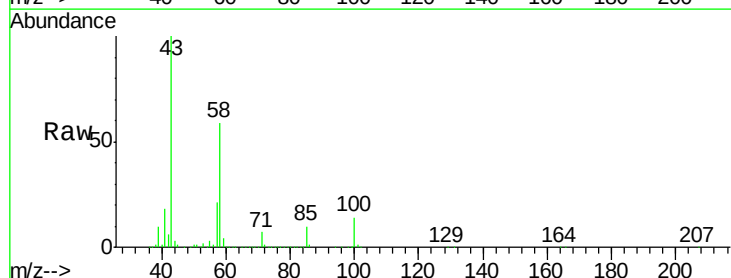
Manual Integrations
 APPROVED

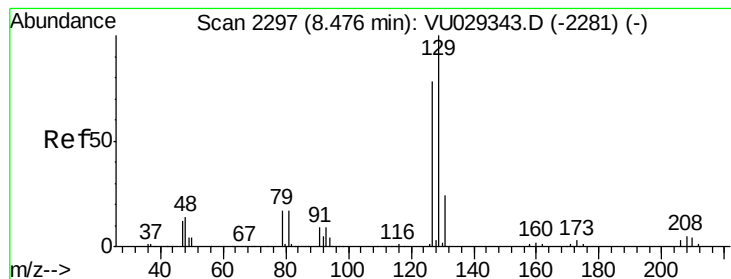
MMDadoda
 3/5/2019 9:31:39 AM



#54
 2-Hexanone
 Concen: 50.074 ug/l
 RT: 8.36 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	58.8	26.0	66.0
57	20.6	0.0	37.7





#55

Dibromochloromethane

Concen: 10.219 ug/l

RT: 8.47 min Scan# 2296

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:129 Resp: 183042

Ion Ratio Lower Upper

129 100

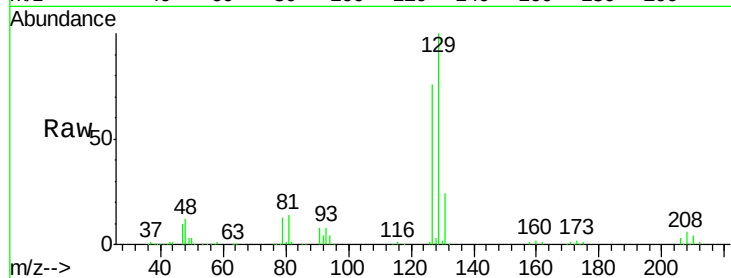
127 75.8 60.5 90.7

Manual Integrations

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3/5/2019 9:31:39 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

8.47

120000

100000

80000

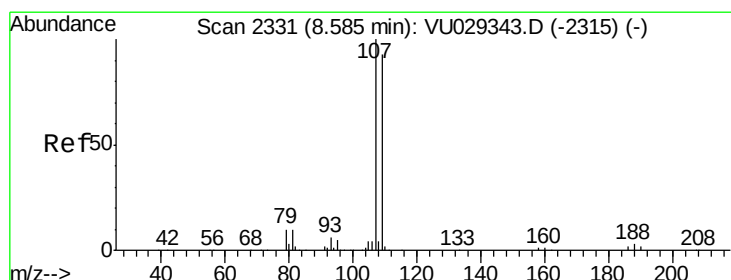
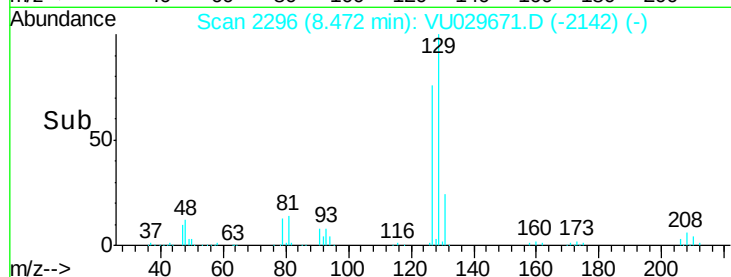
60000

40000

20000

0

Time-->



#56

1,2-Dibromoethane

Concen: 10.625 ug/l

RT: 8.58 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VU029671.D

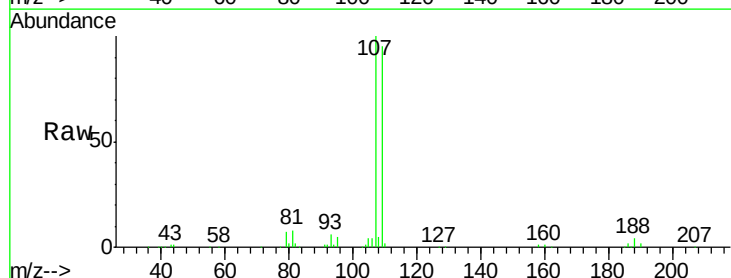
Acq: 26 Feb 2019 09:53

Tgt Ion:107 Resp: 137373

Ion Ratio Lower Upper

107 100

109 94.7 0.0 189.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.58

80000

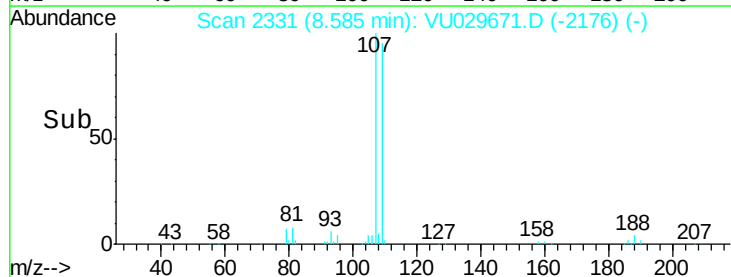
60000

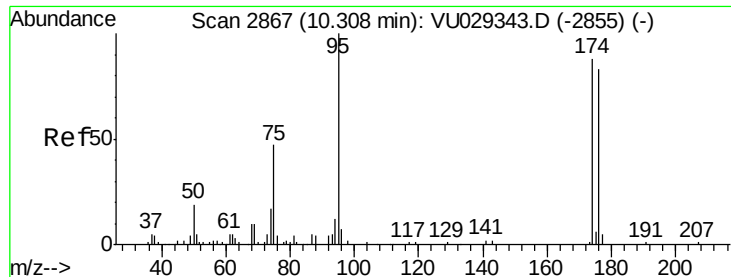
40000

20000

0

Time-->





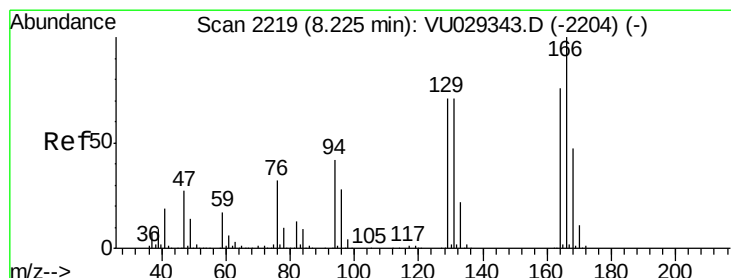
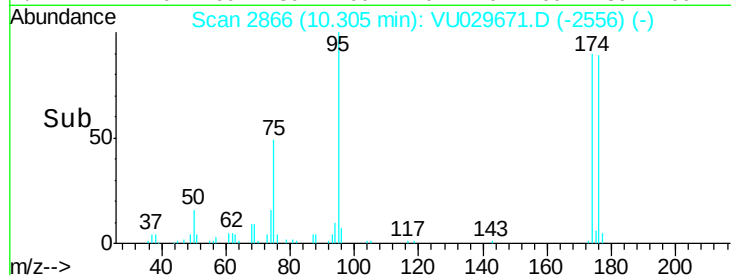
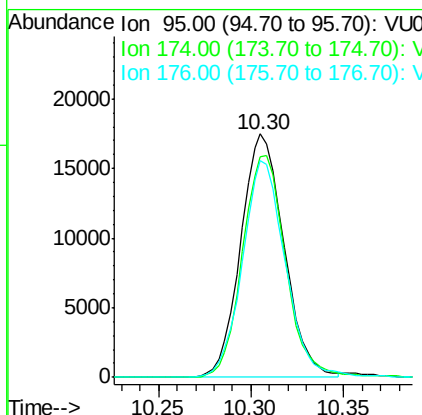
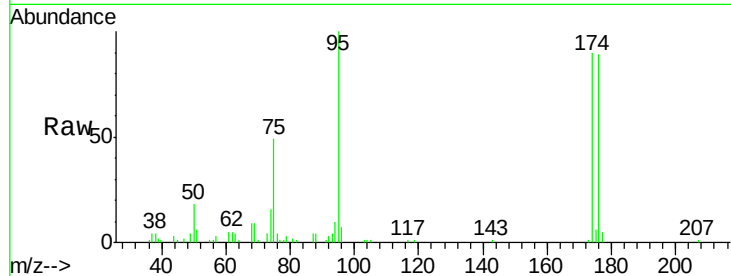
#57
4-Bromofluorobenzene
Concen: 10.625 ug/l
RT: 10.30 min Scan# 2866
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
95	100		
174	91.2	64.2	96.2
176	88.1	62.3	93.5

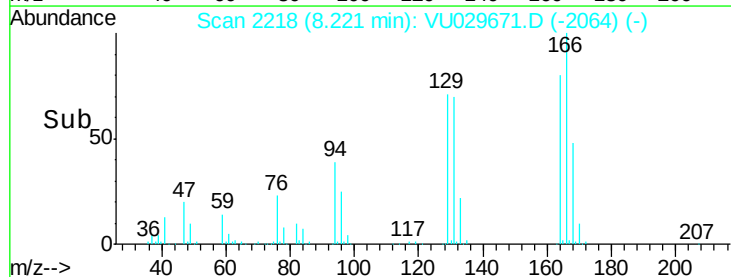
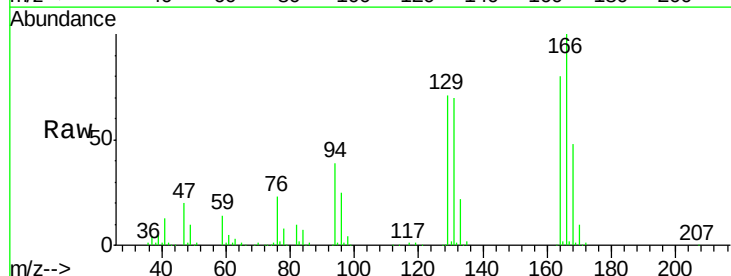
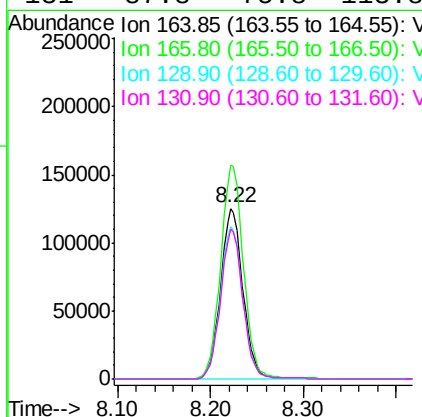
Manual Integrations
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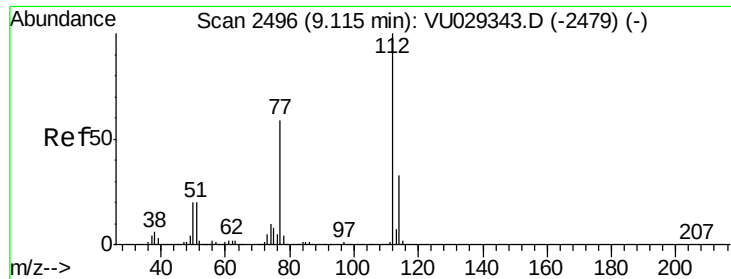
MMDadoda
3/5/2019 9:31:39 AM



#58
Tetrachloroethene
Concen: 11.427 ug/l
RT: 8.22 min Scan# 2218
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.2	106.6	159.8
129	88.9	79.9	119.9
131	87.8	75.8	113.8





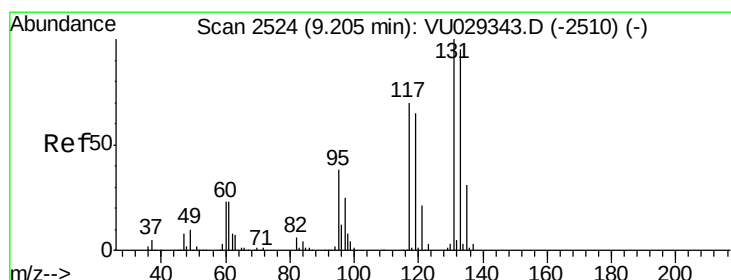
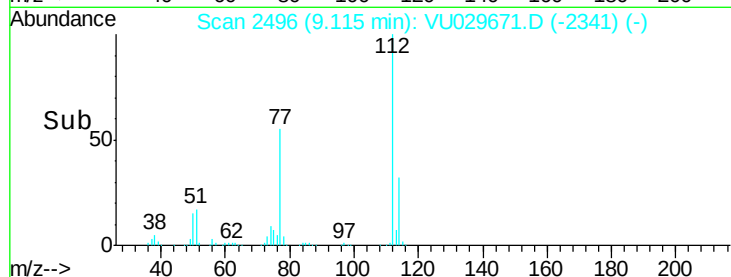
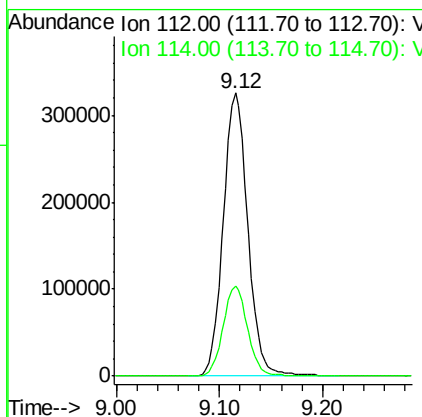
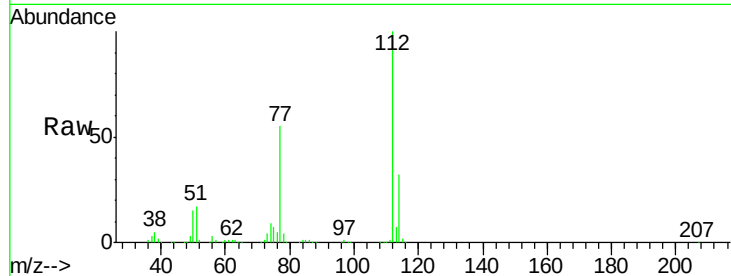
#59
Chlorobenzene
Concen: 10.949 ug/l
RT: 9.12 min Scan# 2496
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.0	26.2	39.4

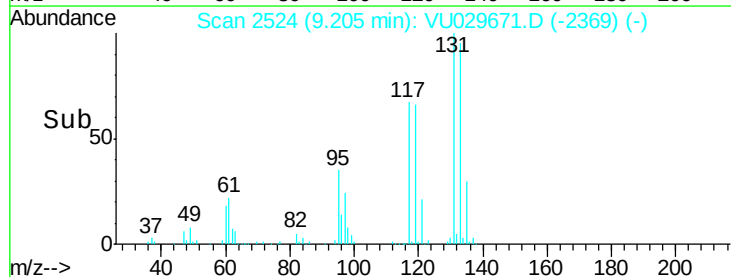
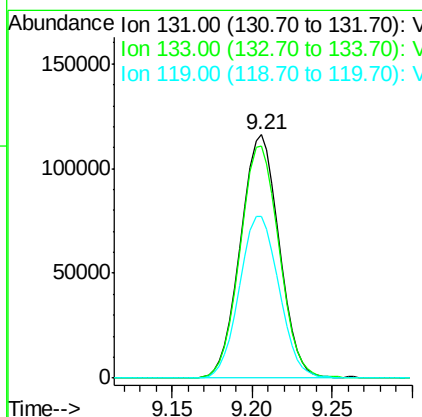
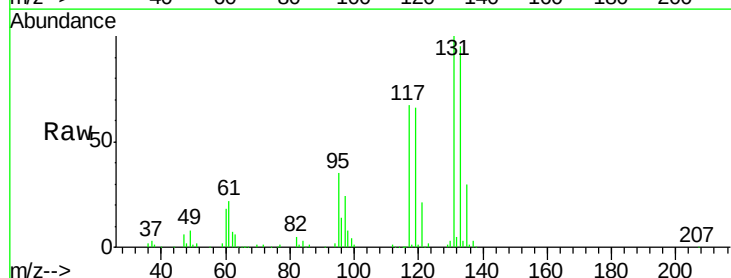
Manual Integrations
APPROVED

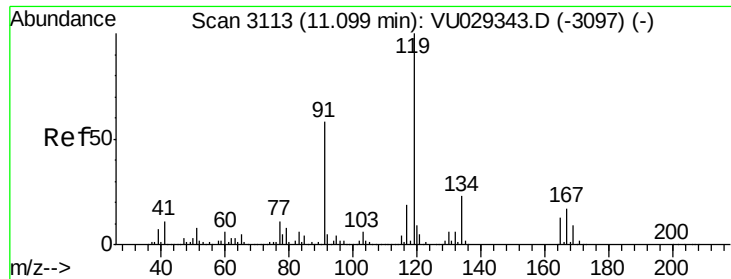
MMDadoda
3/5/2019 9:31:39 AM



#60
1,1,1,2-Tetrachloroethane
Concen: 10.474 ug/l
RT: 9.21 min Scan# 2524
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	77.3	115.9
119	68.1	48.9	73.3





#61

Pentachloroethane

Concen: 10.060 ug/l

RT: 11.10 min Scan# 3113

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 142604

Ion Ratio Lower Upper

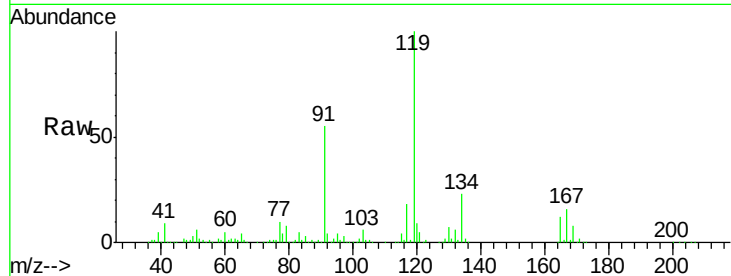
117 100

167 92.1 65.9 98.9

Manual Integrations
APPROVED

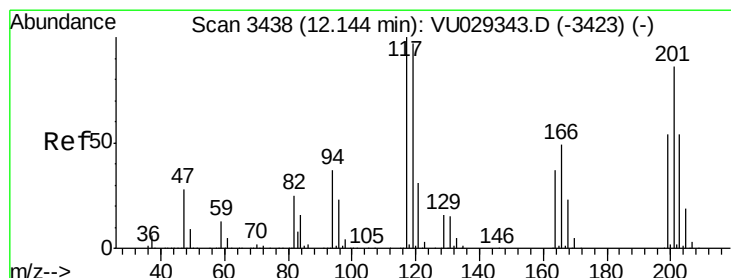
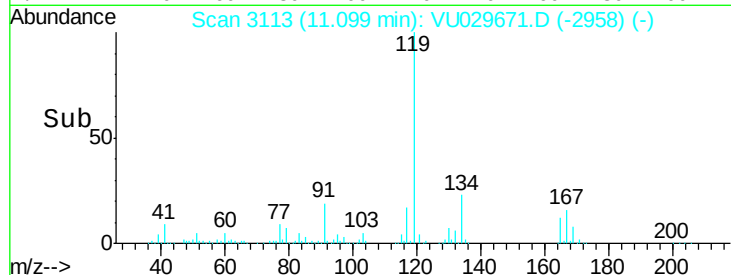
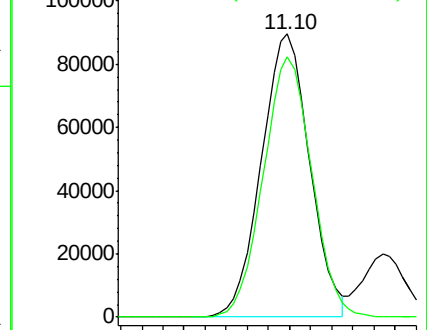
MMDadoda

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 166.70 (166.40 to 167.40): V



#62

Hexachloroethane

Concen: 10.076 ug/l

RT: 12.14 min Scan# 3437

Delta R.T. -0.00 min

Lab File: VU029671.D

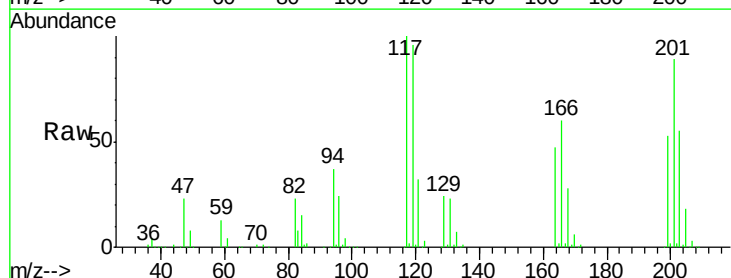
Acq: 26 Feb 2019 09:53

Tgt Ion:117 Resp: 155897

Ion Ratio Lower Upper

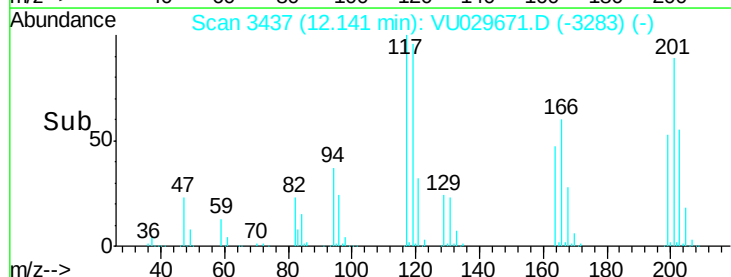
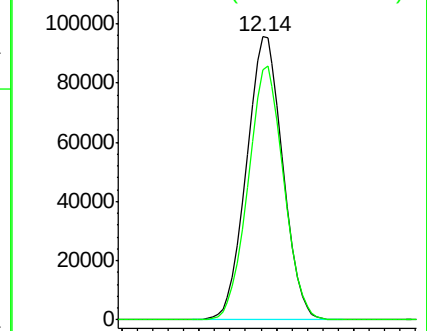
117 100

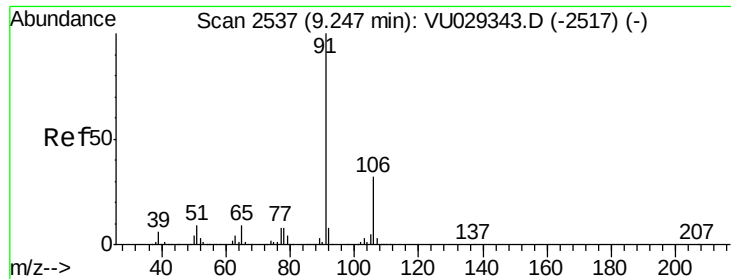
201 88.3 68.2 102.2



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.60 (200.30 to 201.30): V





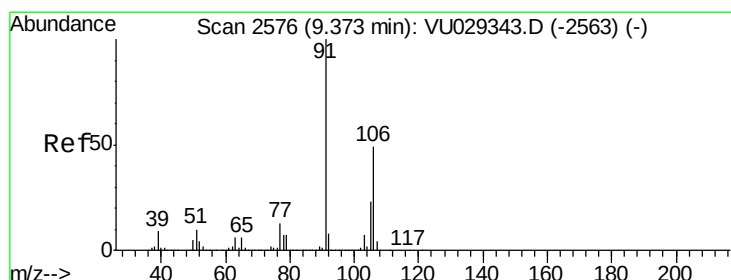
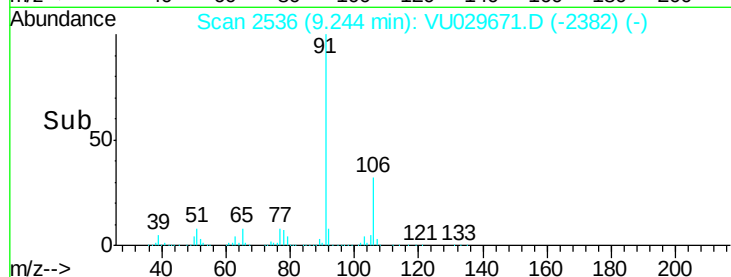
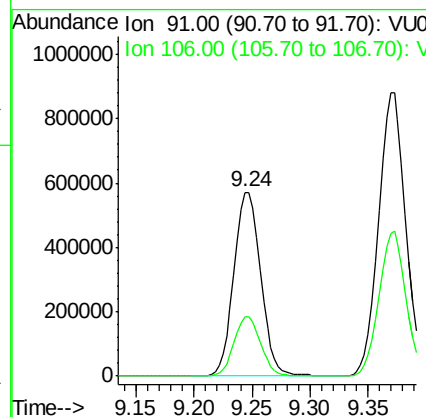
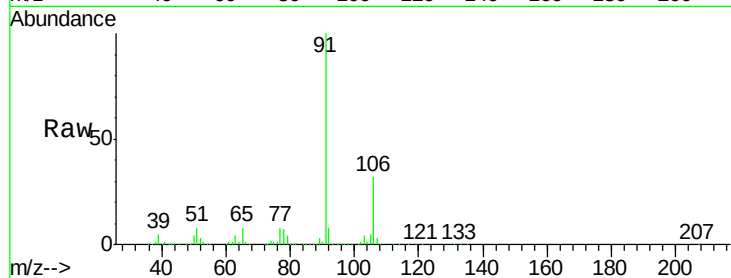
#63
Ethyl Benzene
Concen: 10.697 ug/l
RT: 9.24 min Scan# 2536
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 919510
Ion Ratio Lower Upper
91 100
106 32.1 23.8 35.6

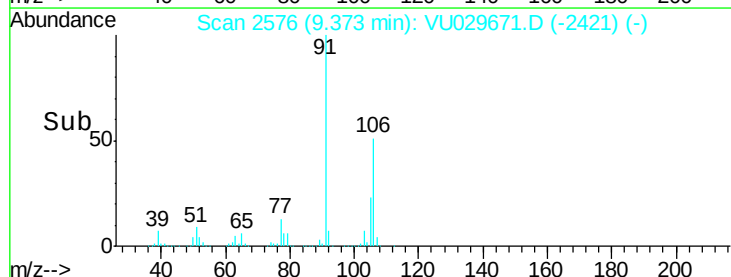
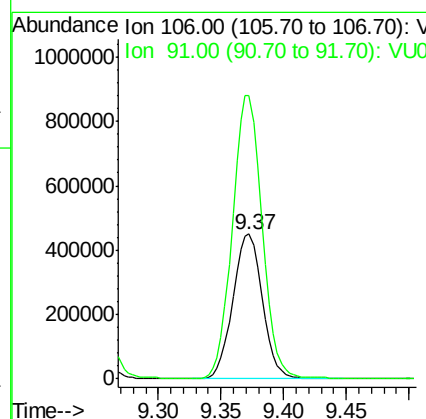
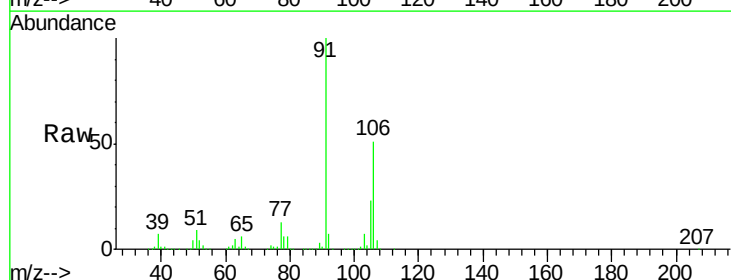
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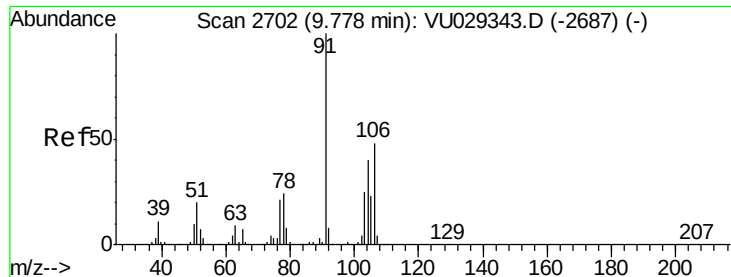
MMDadoda
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#64
m/p-Xylenes
Concen: 21.940 ug/l
RT: 9.37 min Scan# 2576
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion: 106 Resp: 732916
Ion Ratio Lower Upper
106 100
91 197.4 174.6 261.8





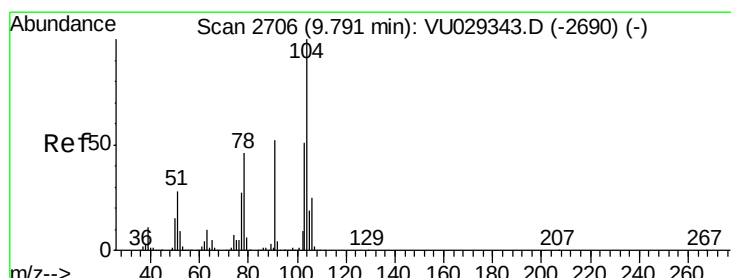
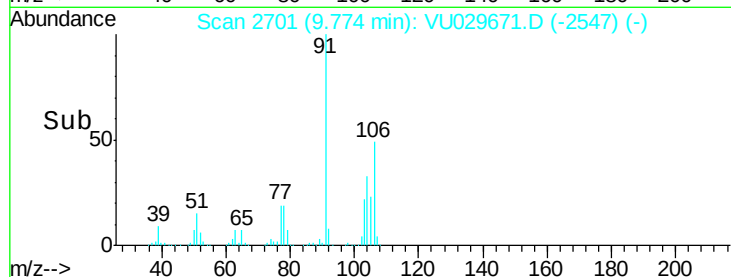
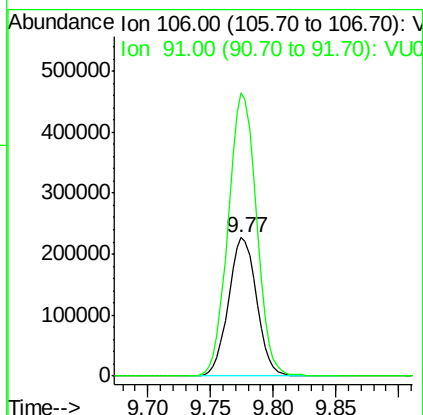
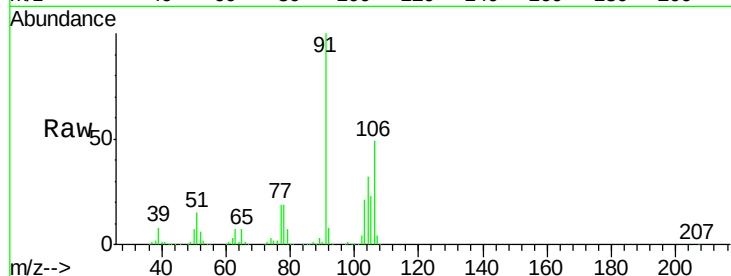
#65
o-Xylene
Concen: 10.822 ug/l
RT: 9.77 min Scan# 2701
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		354841		
91	205.6	114.5	343.4		

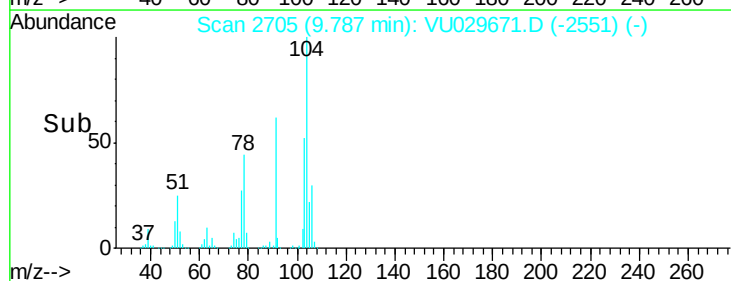
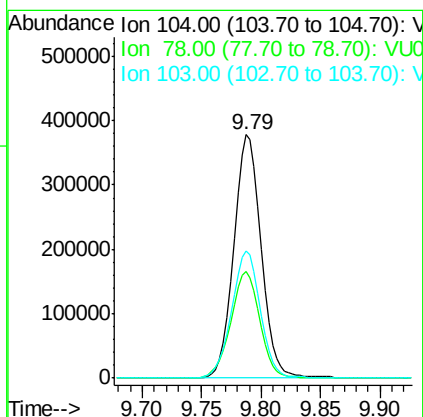
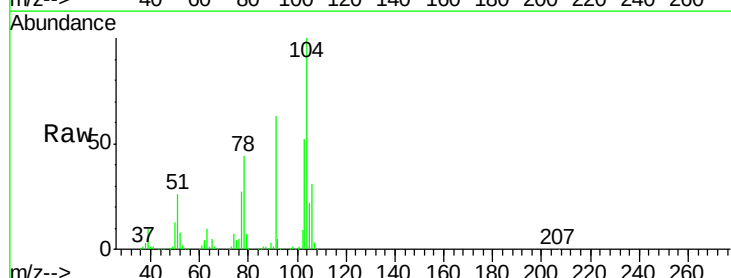
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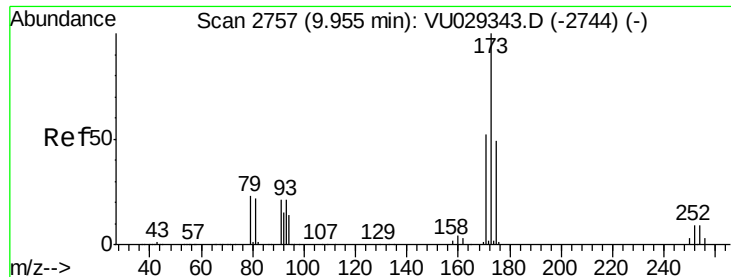
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#66
Styrene
Concen: 11.045 ug/l
RT: 9.79 min Scan# 2705
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		603716		
78	46.7	46.5	69.7		
103	55.0	44.7	67.1		





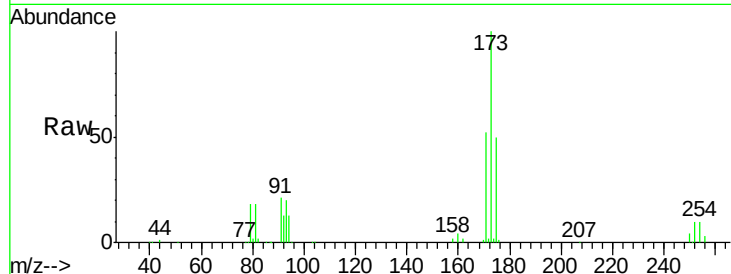
#67
Bromoform
Concen: 9.907 ug/l
RT: 9.95 min Scan# 2757
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Instrument :
MSVOA_U
ClientSampleId :
VSTDCCC010

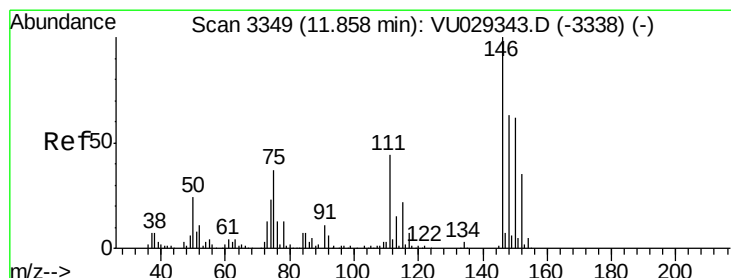
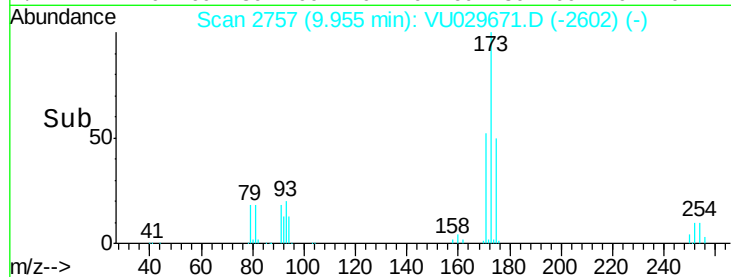
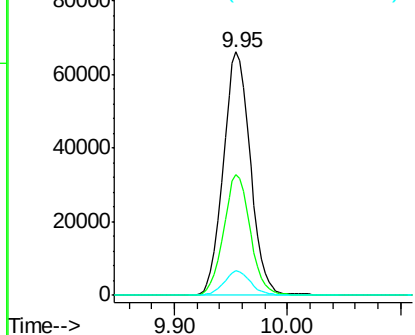
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	38.9	58.3
254	9.7	7.4	11.2

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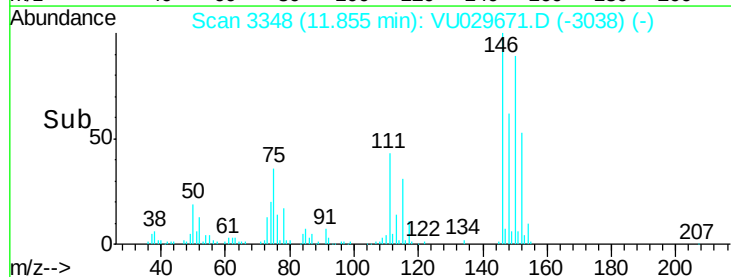
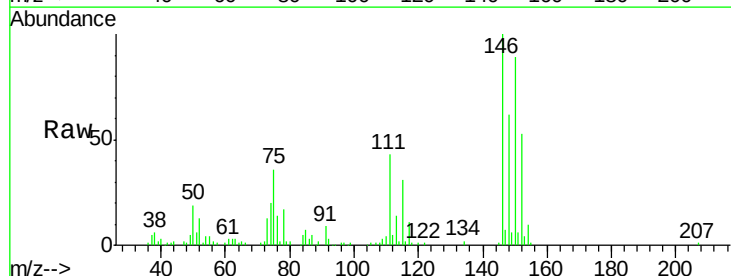
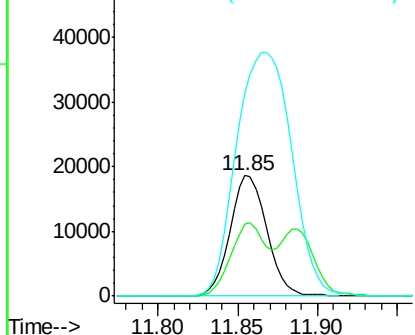
Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V

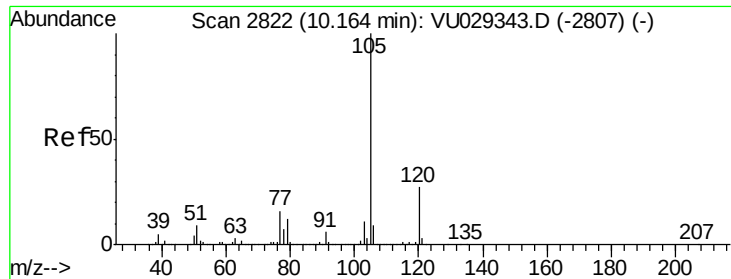


#68
1,2-Dichlorobenzene-d4
Concen: 9.907 ug/l
RT: 11.85 min Scan# 3348
Delta R.T. -0.00 min
Lab File: VU029671.D
Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	0.0	133.4
150	308.9	0.0	670.8

Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#69

Isopropylbenzene

Concen: 10.766 ug/l

RT: 10.16 min Scan# 2822

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 943131

Ion Ratio Lower Upper

105 100

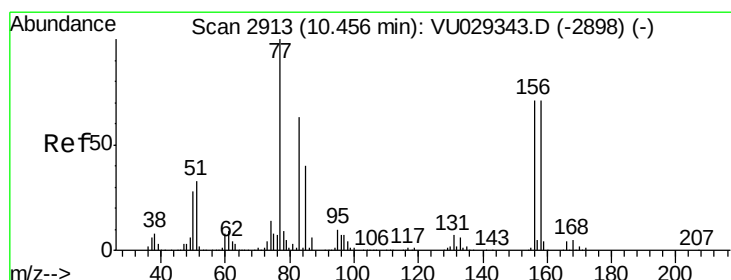
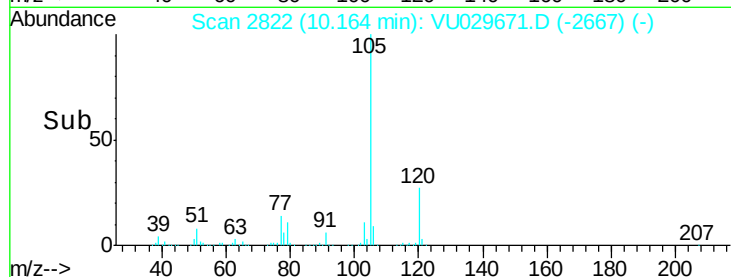
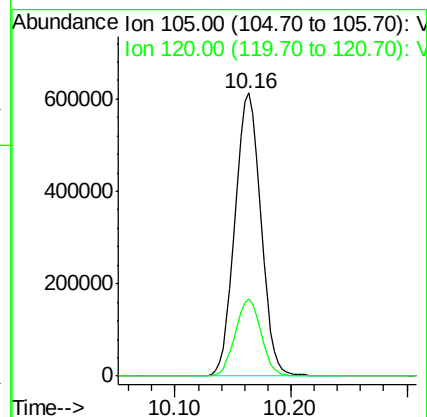
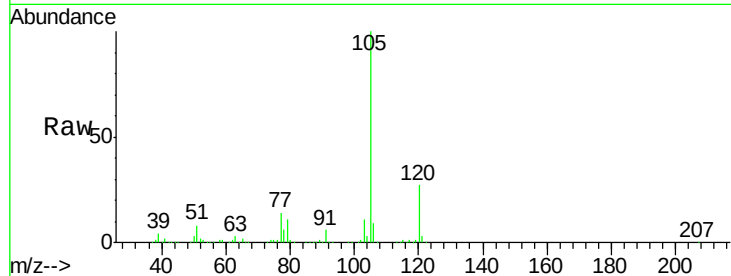
120 27.1 12.6 37.6

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#70

1,1,2,2-Tetrachloroethane

Concen: 11.253 ug/l

RT: 10.45 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

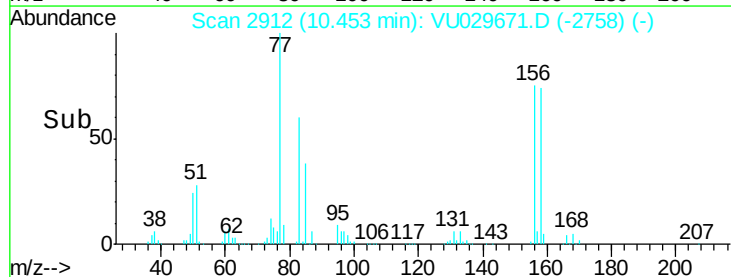
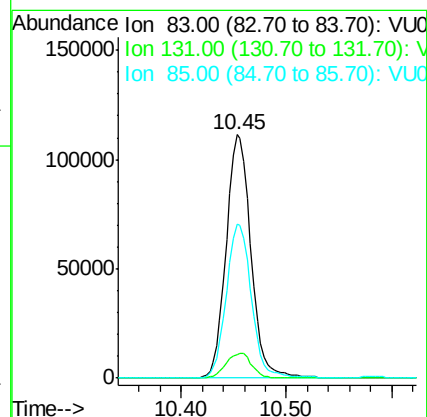
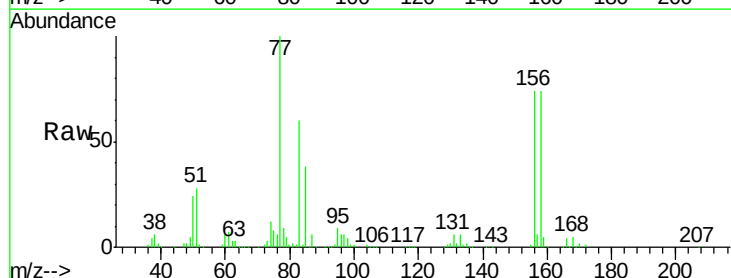
Tgt Ion: 83 Resp: 181749

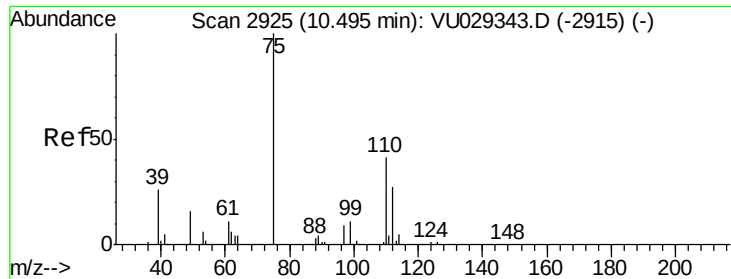
Ion Ratio Lower Upper

83 100

131 10.5 8.1 12.1

85 64.2 50.3 75.5





#71

1,2,3-Trichloropropane

Concen: 11.687 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion: 75 Resp: 129625

Ion Ratio Lower Upper

75 100

77 8.6 0.0 0.0#

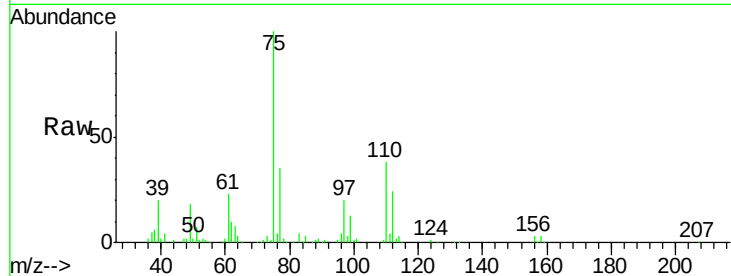
110 37.3 0.0 63.6

97 19.5 0.0 31.4

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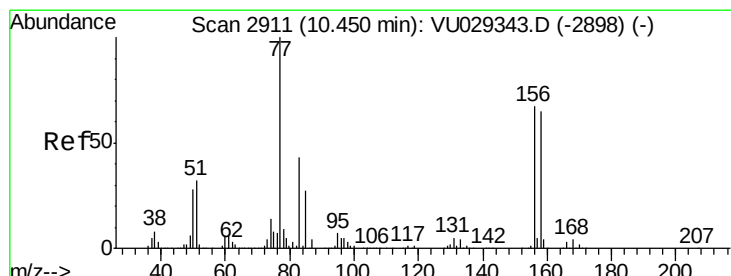
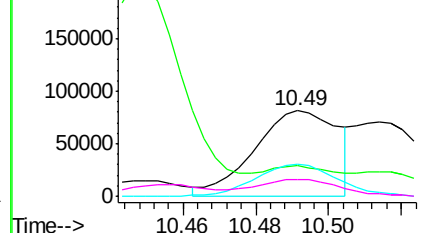
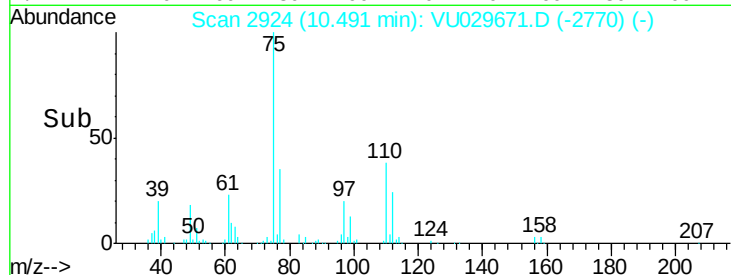


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

Ion 110.00 (109.70 to 110.70): V

Ion 97.00 (96.70 to 97.70): VU0



#72

Bromobenzene

Concen: 11.447 ug/l

RT: 10.45 min Scan# 2911

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

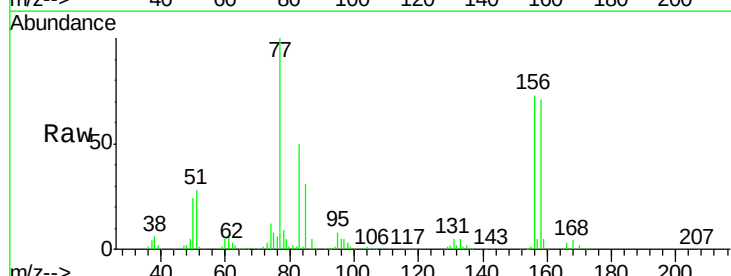
Tgt Ion: 156 Resp: 243061

Ion Ratio Lower Upper

156 100

77 137.7 0.0 343.8

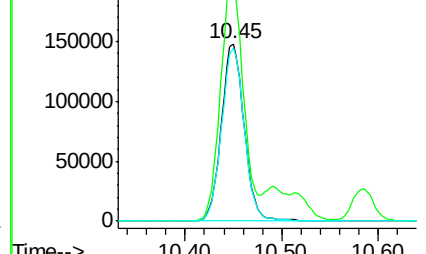
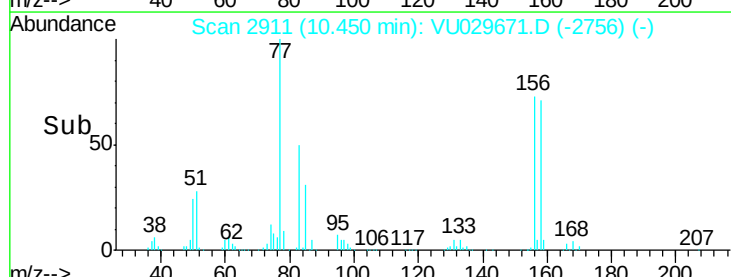
158 97.1 0.0 195.0

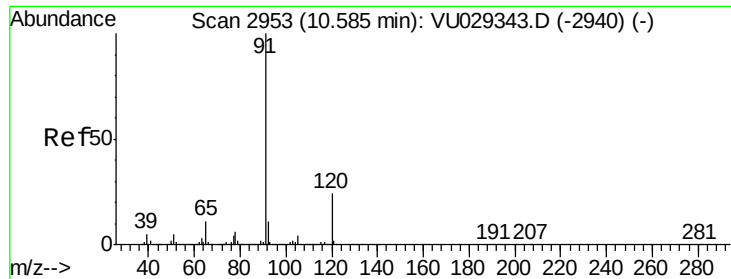


Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VU0

Ion 158.00 (157.70 to 158.70): V





#73

n-propylbenzene

Concen: 11.177 ug/l

RT: 10.58 min Scan# 2953

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:120 Resp: 272724

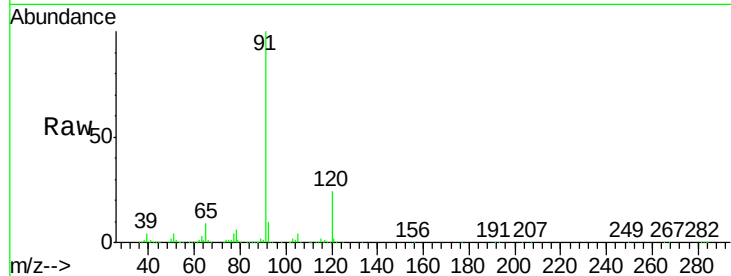
Ion Ratio Lower Upper

120 100

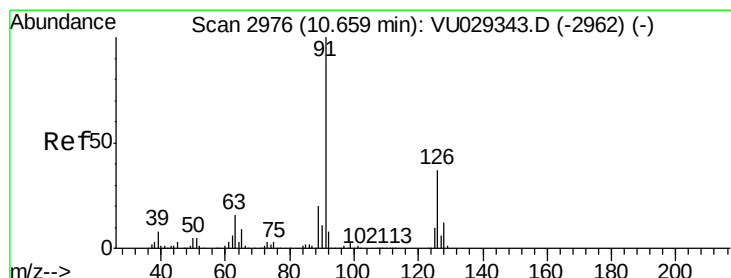
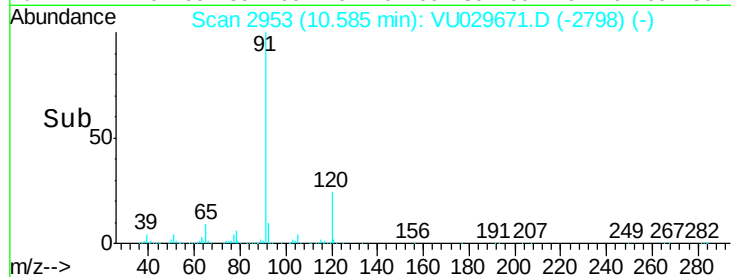
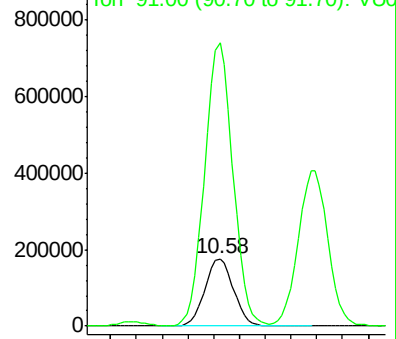
91 412.6 370.0 555.0

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Abundance Ion 120.00 (119.70 to 120.70): V



#74

2-Chlorotoluene

Concen: 11.109 ug/l

RT: 10.66 min Scan# 2976

Delta R.T. -0.00 min

Lab File: VU029671.D

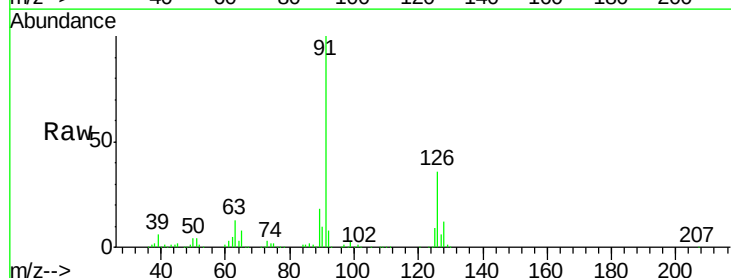
Acq: 26 Feb 2019 09:53

Tgt Ion:126 Resp: 230820

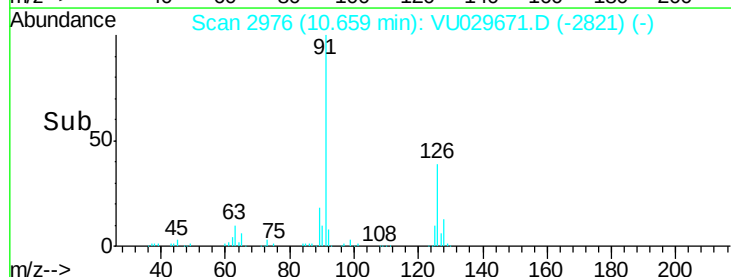
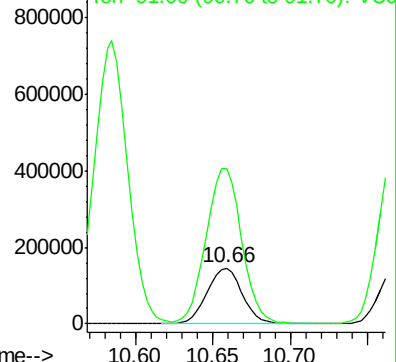
Ion Ratio Lower Upper

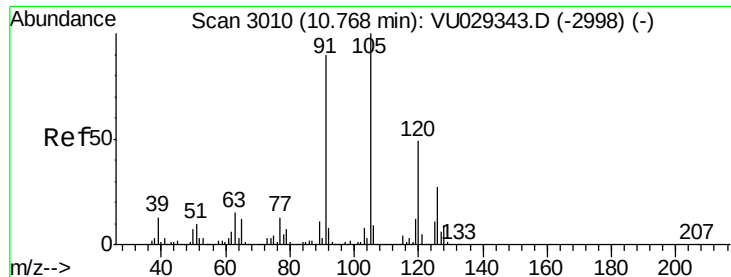
126 100

91 277.6 0.0 643.0



Abundance Ion 126.00 (125.70 to 126.70): V





#75

1,3,5-Trimethylbenzene

Concen: 10.664 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 805456

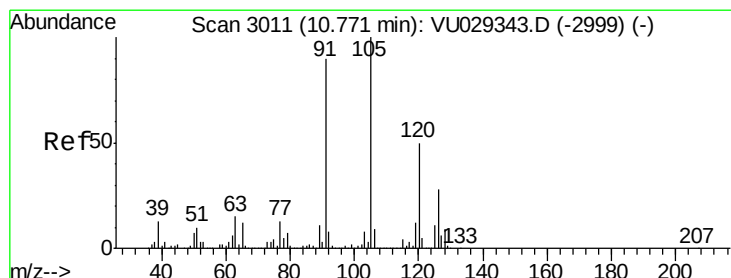
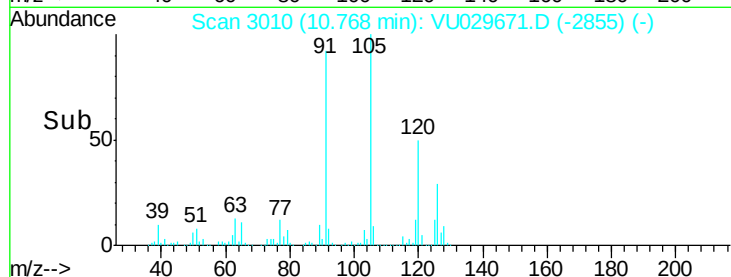
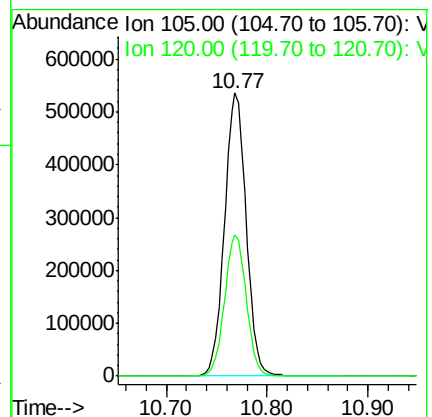
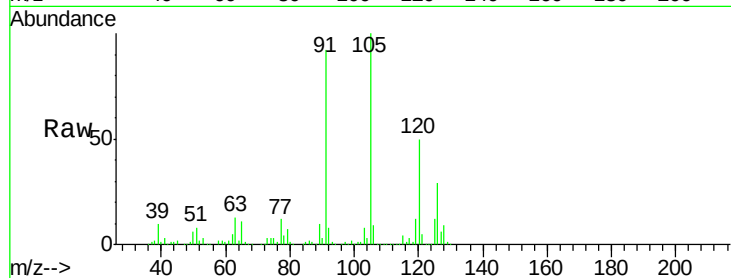
Ion Ratio Lower Upper

105 100

120 50.2 37.3 55.9

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#76

4-Chlorotoluene

Concen: 11.189 ug/l

RT: 10.77 min Scan# 3010

Delta R.T. -0.00 min

Lab File: VU029671.D

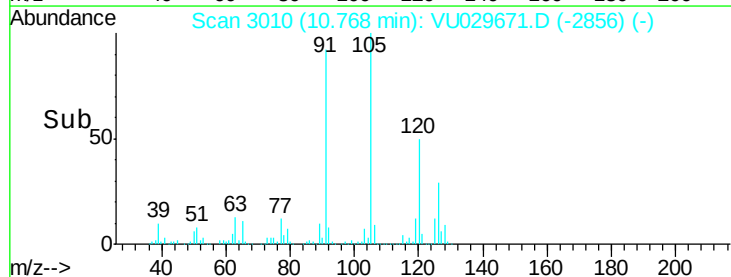
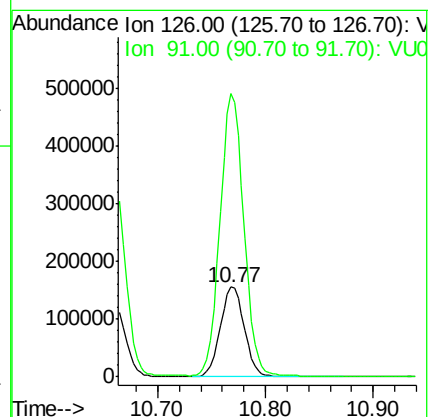
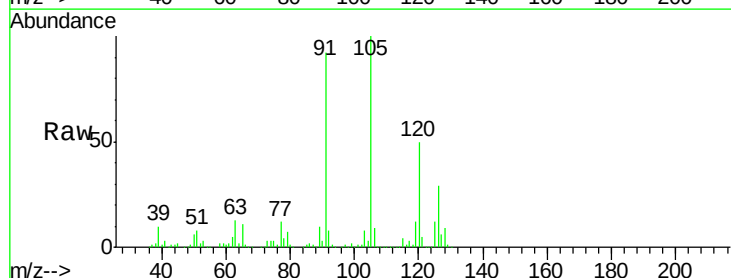
Acq: 26 Feb 2019 09:53

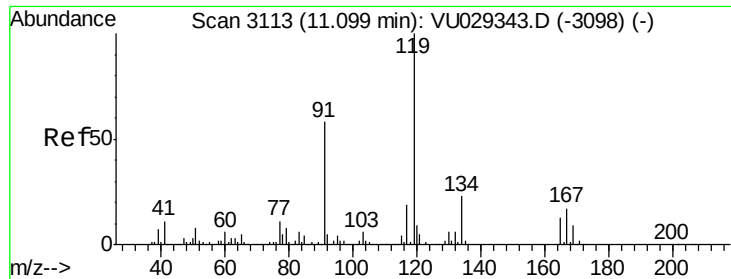
Tgt Ion:126 Resp: 241290

Ion Ratio Lower Upper

126 100

91 314.0 0.0 727.4





#77

tert-Butylbenzene

Concen: 10.740 ug/l

RT: 11.10 min Scan# 3112

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

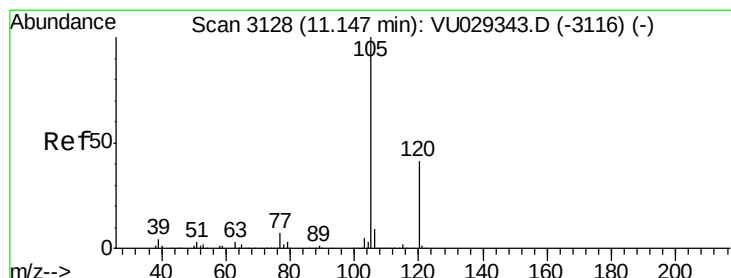
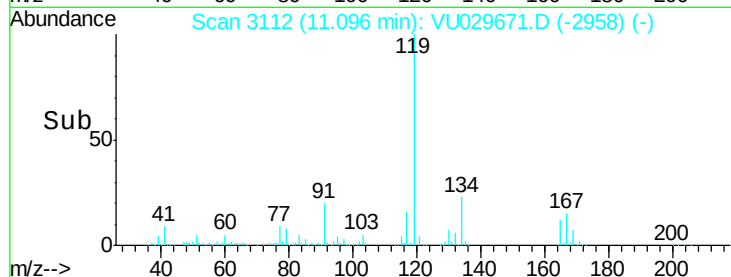
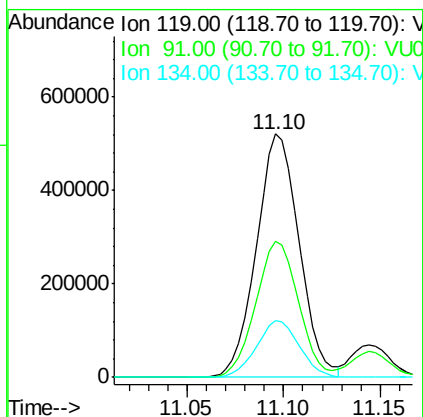
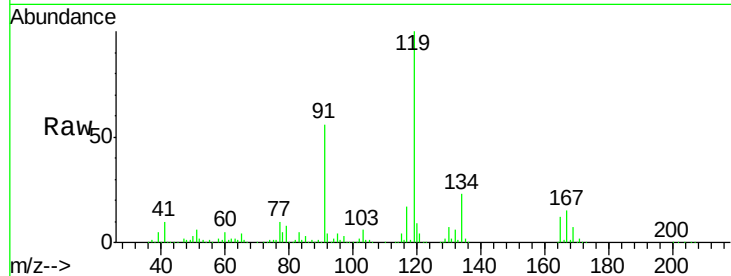
ClientSampleId :

VSTDCCC010

Tot Ion:	119	Resp:	801828
Ion Ratio	Lower	Upper	
119	100		
91	55.6	32.2	96.6
134	23.3	17.6	26.4

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#78

1,2,4-Trimethylbenzene

Concen: 10.828 ug/l

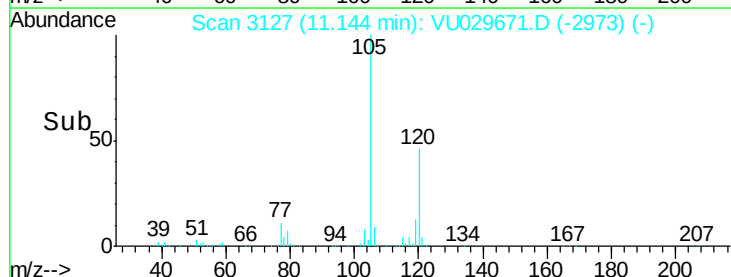
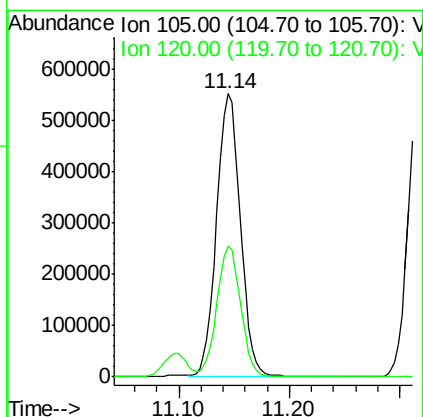
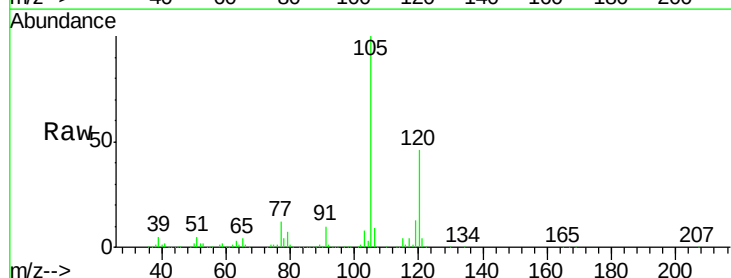
RT: 11.14 min Scan# 3127

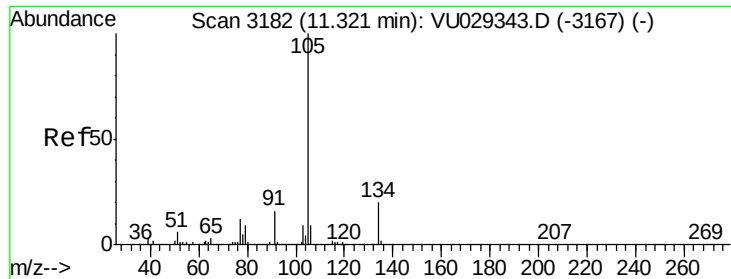
Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	105	Resp:	827955
Ion Ratio	Lower	Upper	
105	100		
120	46.4	21.4	64.3





#79

sec-Butylbenzene

Concen: 10.900 ug/l

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

ClientSampled :

VSTDCCC010

Tot Ion:105 Resp: 1064690

Ion Ratio Lower Upper

105 100

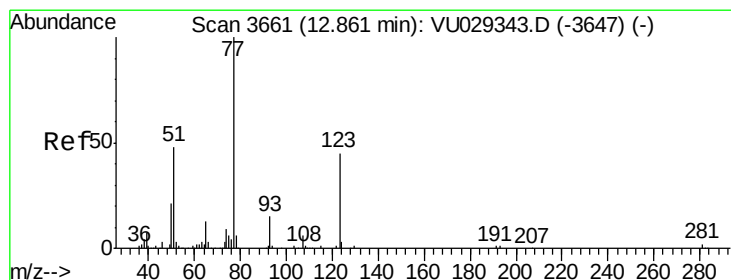
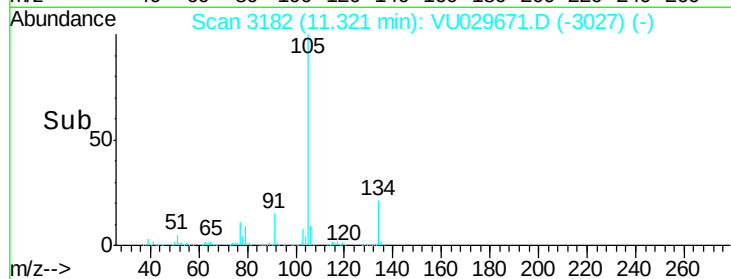
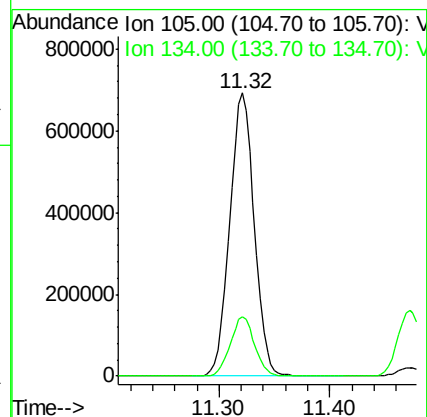
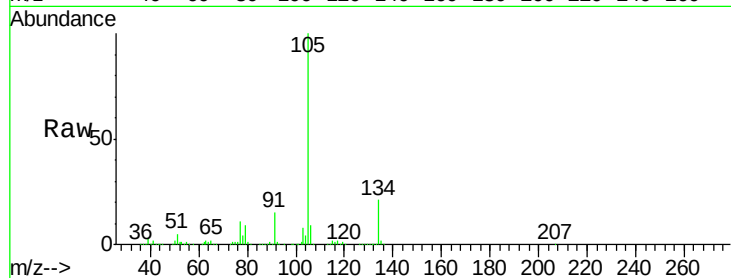
134 20.9 15.0 22.6

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#80

Nitrobenzene

Concen: 29.144 ug/l

RT: 12.86 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

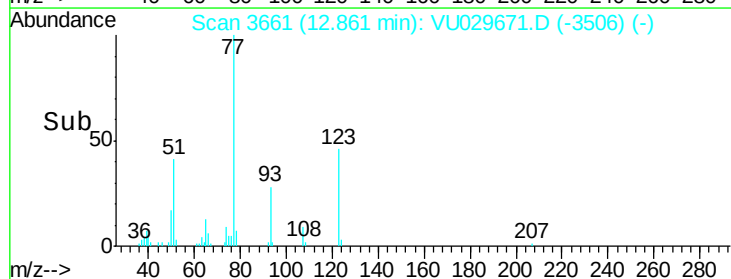
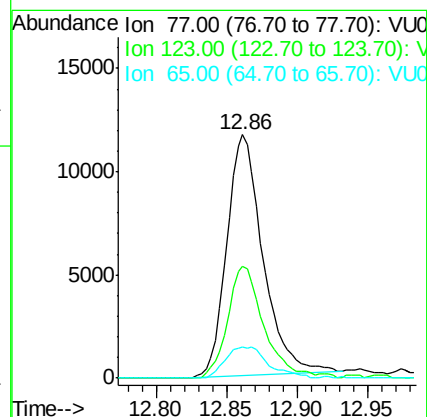
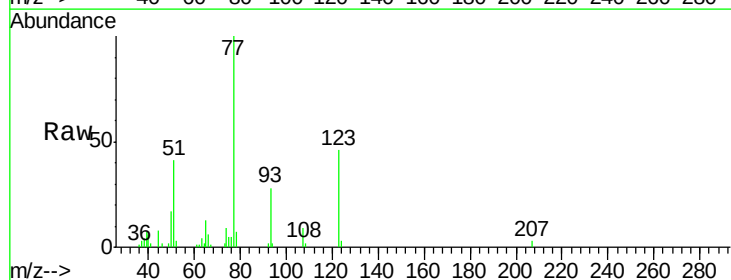
Tgt Ion: 77 Resp: 20972

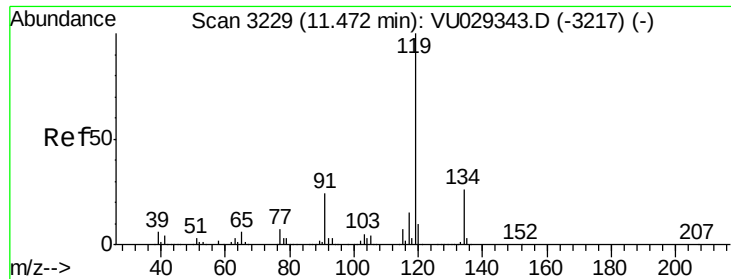
Ion Ratio Lower Upper

77 100

123 43.8 17.5 61.9

65 15.3 10.8 13.8#





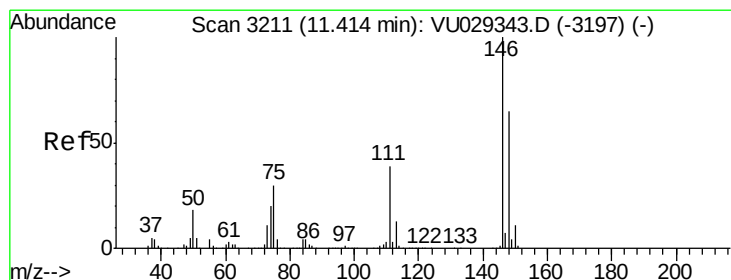
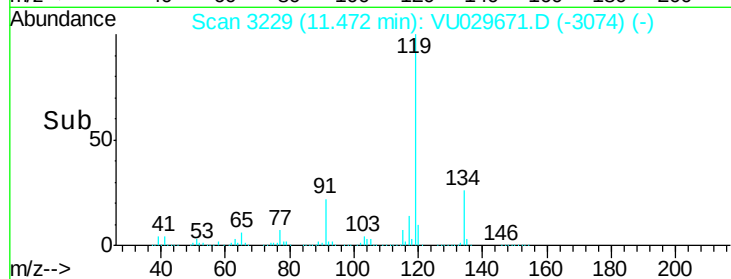
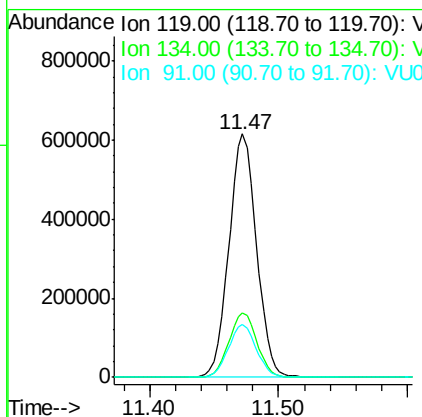
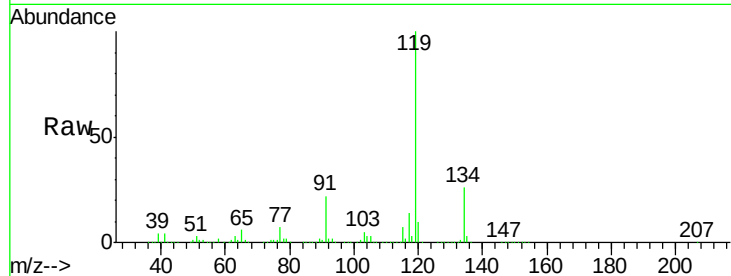
#81
 p-Isopropyltoluene
 Concen: 10.994 ug/l
 RT: 11.47 min Scan# 3229
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	910331		
134	26.8	19.8	29.6	
91	22.0	21.5	32.3	

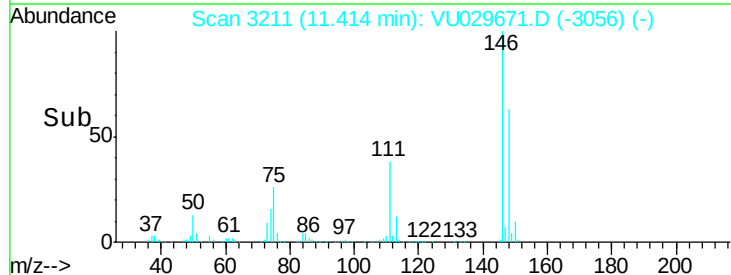
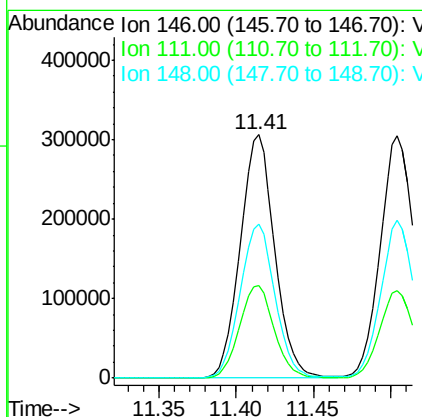
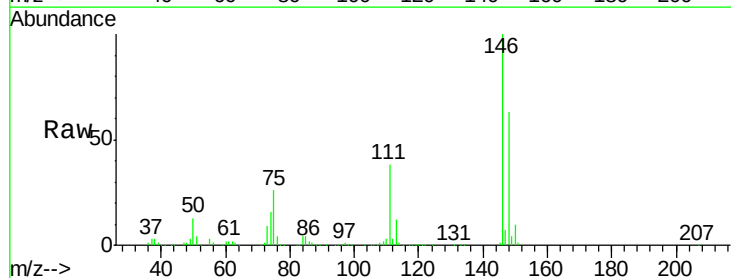
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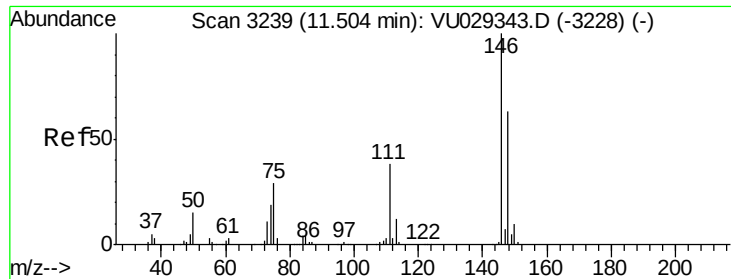
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#82
 1,3-Dichlorobenzene
 Concen: 11.405 ug/l
 RT: 11.41 min Scan# 3211
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	475122		
111	38.2	34.1	51.1	
148	64.0	52.3	78.5	





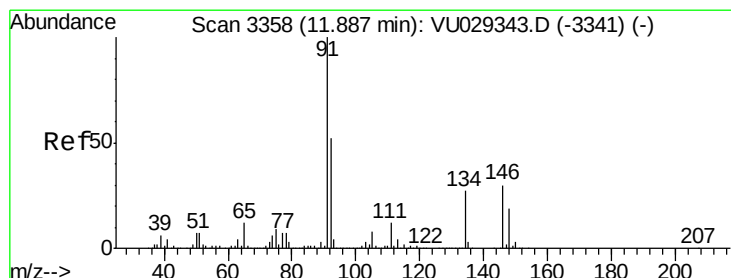
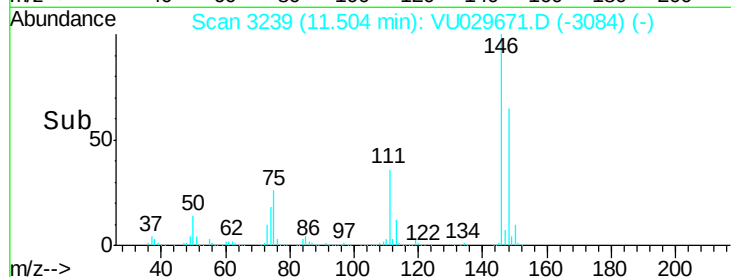
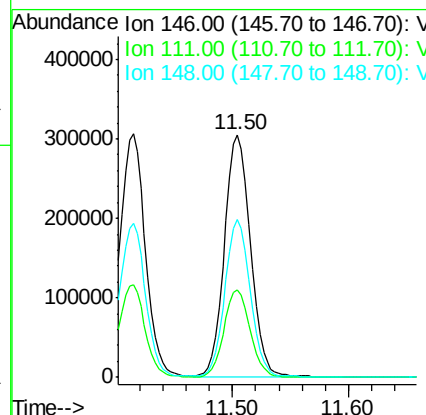
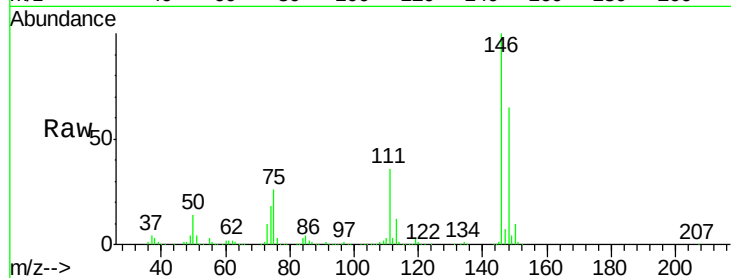
#83
 1,4-Dichlorobenzene
 Concen: 11.460 ug/l
 RT: 11.50 min Scan# 3239
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	32.9	49.3
148	63.6	51.8	77.6

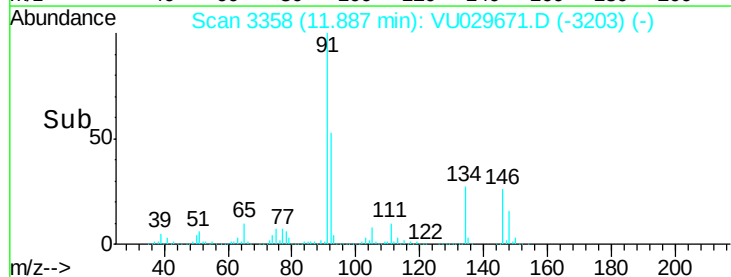
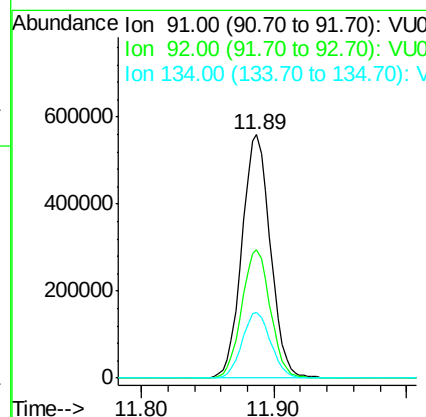
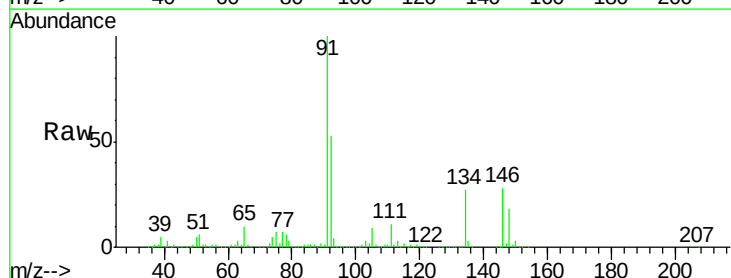
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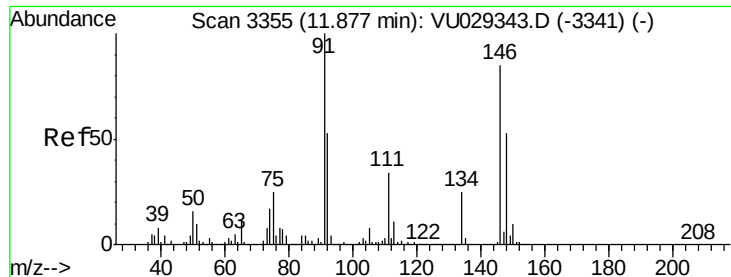
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#84
 n-Butylbenzene
 Concen: 10.984 ug/l
 RT: 11.89 min Scan# 3358
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	41.0	61.6
134	27.3	19.1	28.7





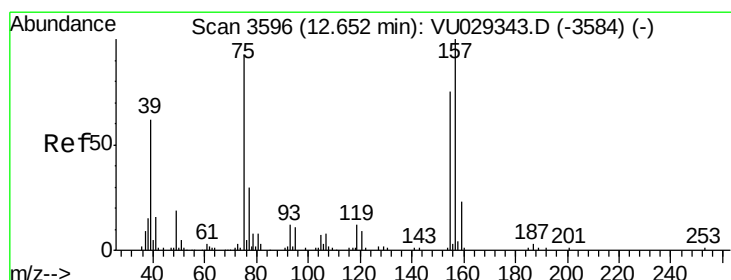
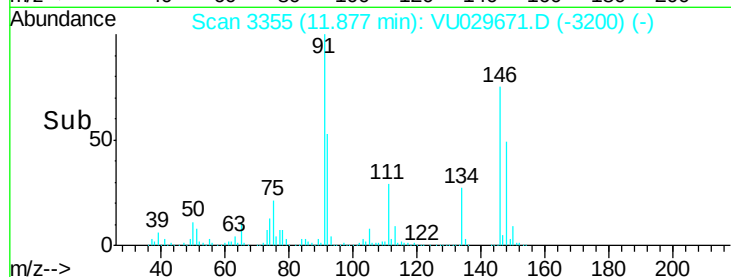
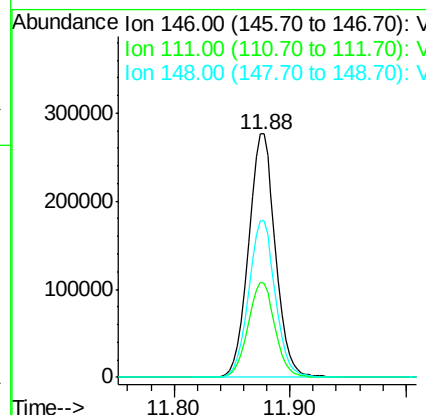
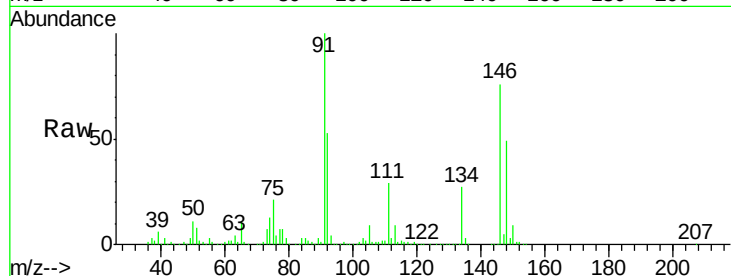
#85
 1,2-Dichlorobenzene
 Concen: 11.318 ug/l
 RT: 11.88 min Scan# 3355
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	21.9	65.8
148	64.0	31.8	95.3

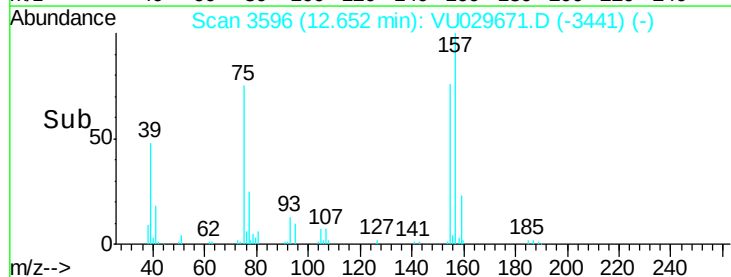
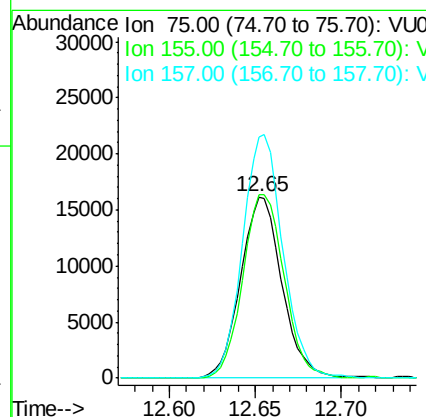
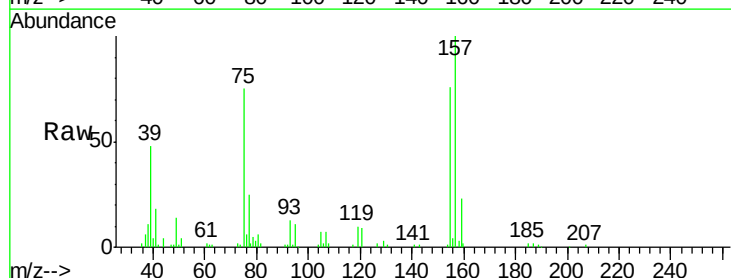
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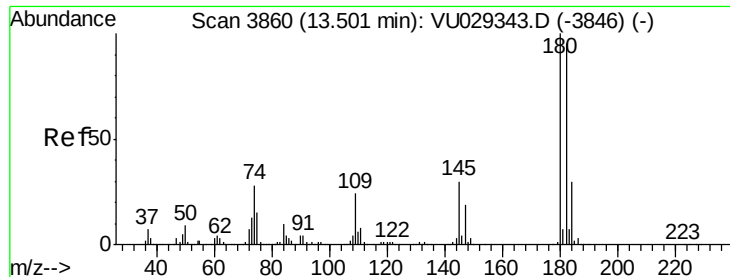
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#86
 1,2-Dibromo-3-Chloropropane
 Concen: 8.916 ug/l
 RT: 12.65 min Scan# 3596
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	53.8	80.8#
157	131.7	69.2	103.8#





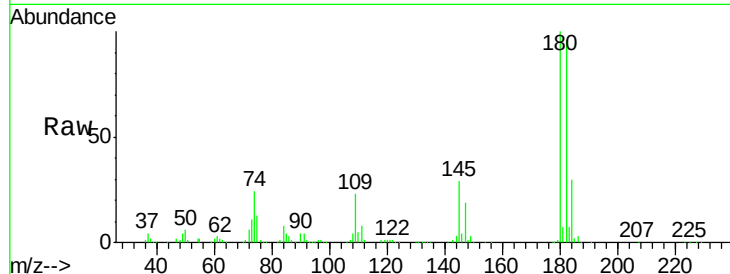
#87
 1,2,4-Trichlorobenzene
 Concen: 11.335 ug/l
 RT: 13.50 min Scan# 3860
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTDCCC010

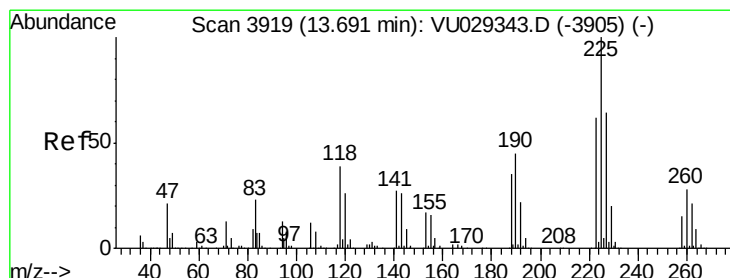
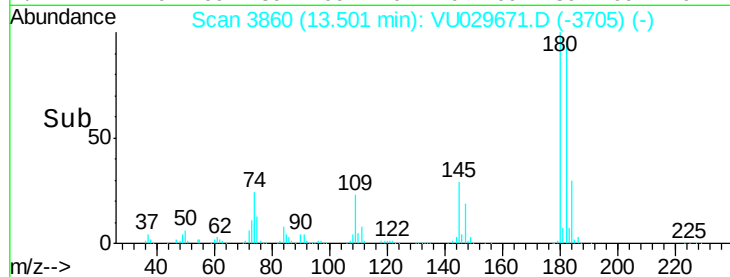
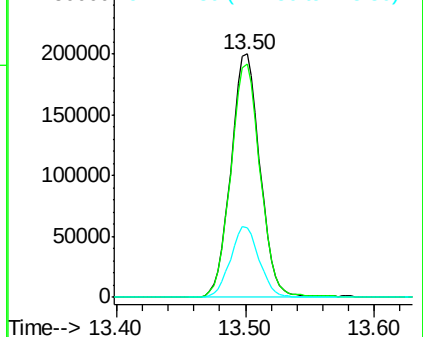
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	76.6	114.8
145	29.0	24.6	36.8

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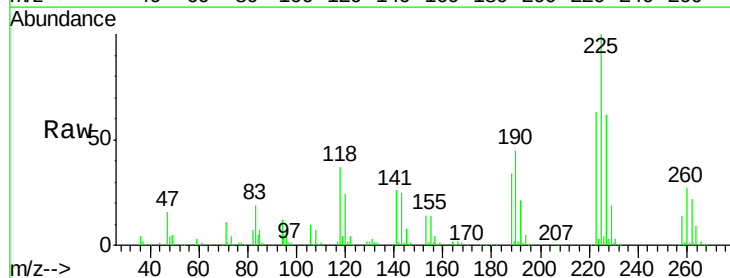


Abundance Ion 179.70 (179.40 to 180.40): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

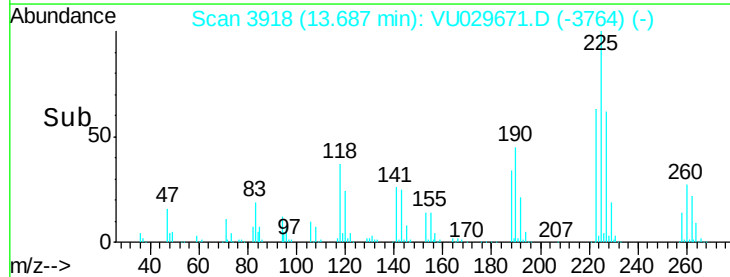
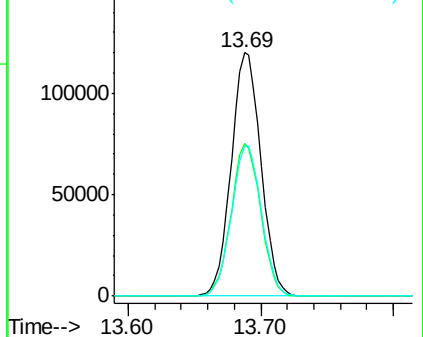


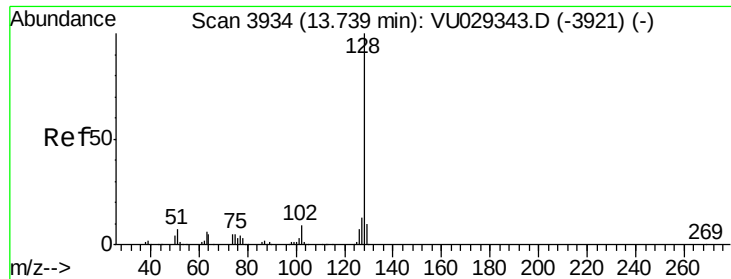
#88
 Hexachlorobutadiene
 Concen: 11.636 ug/l
 RT: 13.69 min Scan# 3918
 Delta R.T. -0.00 min
 Lab File: VU029671.D
 Acq: 26 Feb 2019 09:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.5	74.3
227	62.4	50.4	75.6



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





#89

Naphthalene

Concen: 11.483 ug/l

RT: 13.74 min Scan# 3934

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Instrument :

MSVOA_U

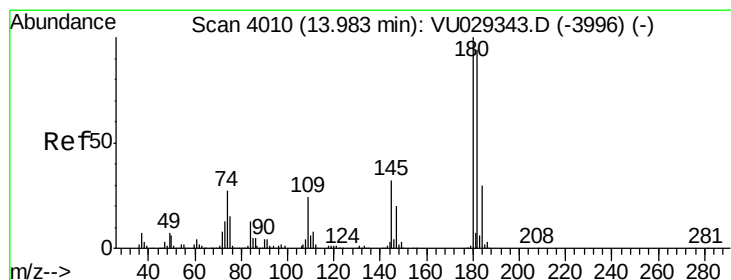
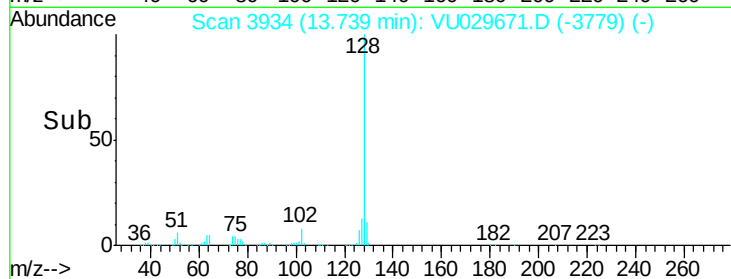
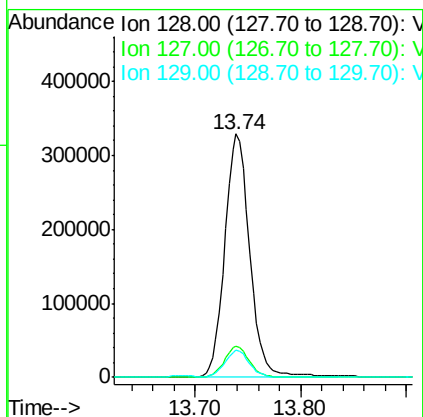
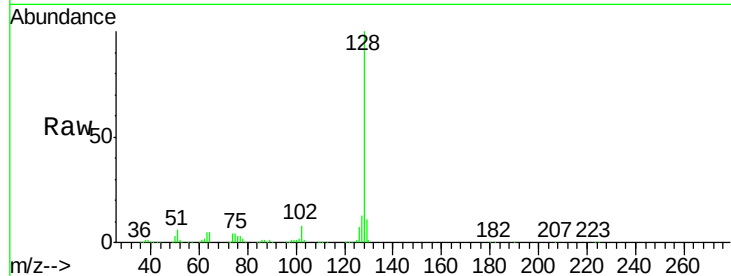
ClientSampleId :

VSTDCCC010

Tot Ion:	128	Resp:	538792
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.7	16.1
129	10.8	8.2	12.4

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#90

1,2,3-Trichlorobenzene

Concen: 11.367 ug/l

RT: 13.98 min Scan# 4010

Delta R.T. -0.00 min

Lab File: VU029671.D

Acq: 26 Feb 2019 09:53

Tgt Ion:	180	Resp:	287409
Ion Ratio	Lower	Upper	
180	100		
182	96.1	78.0	117.0
145	30.9	26.6	39.8

